

## **DR. MARIA CORAZON ABOGADO DE UNGRIA**

University Researcher V  
DOST-CSC Career Scientist IV



### **■ CURRENT POSITION**

Title: Head, DNA Analysis Laboratory, Natural Sciences Research Institute, University of the Philippines Diliman, Quezon City

Period: February 1999 – present

Brief description: The Head determines the type of research projects and extension services performed in the laboratory. Through collaborative research, the laboratory contributes to developing forensic DNA technology in the Philippines and the wider Asia-Pacific region. This research includes the characterization of the DNA of Filipino populations across 15 regional centres and those belonging to Philippine indigenous cultural communities/ indigenous peoples (ICCs/IPs).

Title: Director, Program on Biodiversity, Ethnicity, and Forensics

Period: 2011 to 2017; 2020 to present

Brief Description: The Program Director manages research projects under the Program. This program is open to UP researchers researching biodiversity, ethnicity, and forensics, including questions that would be addressed using genomics and bioinformatics.

Title: Professorial Lecturer, Institute of Biology, College of Science, University of the Philippines (Level III)

Period: January 2019 to present

Brief description: This course offered to postgraduate students of the Institute of Biology covers different topics such as plant, animal, microbial and human forensics, crime scene investigations, medical examination of victims of sexual assault and collection of biological samples, databasing of DNA profiles for diverse applications, ethics of forensic genetics and legal issues in presenting DNA evidence in Philippine courts. The course aims to increase awareness of the utility of different scientific disciplines in providing answers to legal questions.

### **■ IMMEDIATE PAST POSITION**

Title: Professorial Lecturer, Science and Society Program, College of Science, University of the Philippines

Period: June 2009 – May 2012 (Level I); Nov - Dec 2017 (Level II)

Brief description: The Professorial Lecturer delivers lectures on selected topics for the Science and Society Program of the College of Science. This subject is offered to science and non-science majors under UP Diliman's Revitalized General Education Program (RGEP) to give

students a general overview of the science and its many applications to address societal concerns.

#### ■ ACADEMIC QUALIFICATIONS

- 1999 Ph.D. Microbiology, University of New South Wales, Australia - "The Biology of Plasmids Endogenous in *Helicobacter* sp. used in Mouse Models of *Helicobacter* Infection."
- 1993 Bachelor of Science (Honours) in Biology, Macquarie University, Australia

#### ■ AWARDS/RECOGNITION

##### ● International Awards/Recognition

- 2019 Henry C. Lee Award from the Forensic Sciences Foundation, Inc. USA
- 2018 Included as one of the two Filipino women in the "Profile of Women Scientists in Asia" by the Association of Academies and Societies of Sciences in Asia
- 2018 Grant from the Wellcome Trust to travel to Stellenbosch, South Africa, and attend the Global Forum on Bioethics in Research (GRBR) with the theme "The Ethics of Data Sharing and Biobanking in Health Research" by the Association of Academies and Societies of Sciences in Asia
- 2017 Named amongst the top 100 Asian Scientists by the Asian Scientists Magazine (<https://www.asianscientist.com/as100/>)
- 2016 Severino & Paz Koh Lectureship Awards in Science & Engineering given by the Philippine-American Association of Science and Engineering (PAASE)
- 2016 Selected by the European Horizon 2020 Project TRUST as one of the Best Ten Case Studies for the paper entitled "Accountability Amidst Competing Interests between Local and Foreign Researchers, 2014-2016" (**De Ungria MCA**, Jimenez EB, Espigar ARM, and Mijares ASB)
- 2011 Study Fellowship awarded through the Erasmus Mundus Maheva (MAN Health Environment biodiversity in Asia) Program to visit the University of Granada, Spain (October- November 2011)
- 2009 Young Women Scientist Researcher in the Life Sciences awarded by the TWAS (The Academy of the Developing World)-TWOWS (Third World Organization of Women Scientists)-PSN-SCOPUS in Kuala Lumpur, Malaysia (9 November 2009)
- 2009 Best Essay Award for the entry entitled "Science at the Service of Society: Using Forensics to Teach Students the Value of Science," organized by the Asia Life Science Council
- 2009 Travel Grant from the Wellcome Trust, UK, to attend the Human Genome Organization Meeting with the theme "Genetics and Genomics of Infectious Diseases" held in Singapore (21-24 March 2009)
- 2007-11 Selected as one of the first five Regional Affiliate Fellows for East and Southeast Asia by TWAS (The Science Academy for the Developing World), awarded in Trieste, Italy
- 2007 Research Grant from the National Outstanding Youth Science Foundation of China and the National Science Foundation of China to conduct collaborative research at

- the Department of Computational Genomics, Chinese Academy of Sciences, Shanghai, China (27 May to 13 June)
- 2006 Outstanding Young Scientist in Biology Award given by the Third World Academy of Science (TWAS) and the National Academy of Science and Technology (NAST)
- 2004 Short Term Research Grant from the Royal Society of London to conduct collaborative research at the Sanger Institute, Cambridge, United Kingdom (4 May to 30 September)
- 2004 A grant from the Japan Society for the Promotion of Science to travel to the Centre for Southeast Asian Studies, Kyoto University, Japan (5-13 March)
- 2001 Alberta Heritage Foundation Fellowship for Medical Research in Alberta, Canada (declined)
- 2001 AusAID Travel grant to present a poster at the 7<sup>th</sup> Indo-Pacific Congress on Legal Medicine and Forensic Sciences held in Melbourne, Australia (September)
- 2001 Study grant from North Carolina State University to attend the Summer Institute for Statistical Genetics in Raleigh, North Carolina (June)
- 2000 Third World Academy of Science [The Academy of the Developing World] award for inviting a forensic scientist to visit the UP Lab (December)
- 2000 Travel grant awarded by the International Service for the Acquisition of Agri-Biotech Applications to visit biotechnology laboratories in Thailand (October)

- **Local Awards/Recognition**

- 2023 Golden Wheel Awardee for Education by the Rotary Philippines
- 2022 Conferment of the rank of Career Scientist IV by the Department of Science and Technology and Civil Service Commission in the Scientific Career System
- 2022 University of the Philippines Diliman Galing Honor and Awards Program- Galing Award (Pagkilala sa Pinakamahusay na Yunit/Pangkat) awarded to the DNA Analysis Laboratory, Natural Sciences Research Institute with **De Ungria MCA** as head from 1999 to present
- 2022 AD Scientific Index ranks **De Ungria MCA** 25<sup>th</sup> in the University of the Philippines and 86<sup>th</sup> in the Philippines
- 2020 National Academy of Science and Technology Outstanding Paper Award- "Filipino DNA Variation at 36 Y-chromosomal Short Tandem Repeat (STR) Marker Units published in the Philippine Journal of Science. 2019; 148(S1): 43-52 by Salvador JM, Rodriguez JJB, Carandang LCDL, Agamata AB, Honrado MLD, Delfin FC and **De Ungria MCA**
- 2019 NRCP Outstanding Institution award for the DNA Analysis Laboratory, Natural Sciences Research Institution (Cluster 3) with **De Ungria MCA** as head from 1999 to present
- 2019 National Academy of Science and Technology Outstanding Paper Award- "Pathology and DNA Analysis of Exhumed Human Remains Three-years Post-mortem" published in the Philippine Journal of Science. 2018;147(1):9-16 by Calacal GC, Salvador JM, Sagum MS, Fortun RD, **De Ungria MCA**
- 2018 Recognition from the Philippine Public Safety College during their 25<sup>th</sup> Anniversary (4 October)

- 2018 Study Grant from the Philippine Council for Industry, Energy and Emerging Technology and Development of the Department of Science and Technology to conduct collaborative research entitled "Genomic Studies on Philippine Negrito and Mangyan Populations" in the CAS-MPG Partner Institute for Computational Biology (PICB), Shanghai Institutes for Biological Sciences (SIBS) Chinese Academy of Sciences (5 April to 4 September)
- 2017 "Dangal ng Bayan" or Outstanding Public Officials and Employees Award conferred by the Philippine Civil Service Commission
- 2017 Australian Alumni of the Year awarded by the Australian Embassy, The Philippines
- 2016 Named as Thomson Reuter's "The Philippines Promising Star" in Molecular Biology and Genetics
- 2015 Named as one of the Pioneer Women Scientists by the Philippine Science High School (PSHS), the National Academy of Science and Technology (NAST), and the Science Education Institute (SEI) in the "She for We" Exhibit of Women Scientists during the National Science and Technology Week (NSTW)
- 2014 National Research Council of the Philippines Scientific Achievement Award (Medical Division)
- 2013 Named as Career Scientist II by the Department of Science and Technology and Civil Service Commission through the Scientific Career System
- 2012 Julian Banzon Outstanding Research and Development Award for Applied Research given by the Department of Science and Technology and the National Academy of Science and Technology
- 2012 Certificate of Recognition, UP Padayon Response Team (Forensics Group) given by the UP President, Executive House, Diliman
- 2011 Recipient of one of the two L' Oreal-UNESCO "Women in Science" National Fellowship
- 2011-13 UP Scientist Award I from the University of the Philippines System
- 2008 Selected by Philippine Graphics Magazine as one of 18 Young Leaders for 2008.
- 2007 The Outstanding Women in the Nation's Service in Science (TOWNS) awarded by the TOWNS Foundation
- 2006 Selected by Asia Society as one of the Ten Young Leaders who represented the Philippines in the Convention of Young Leaders from the Asia-Pacific Region in Seoul, South Korea
- 2006 Gregorio Zara Award in Applied Sciences given by the Philippine Academy for the Advancement of Science
- 2006-09 UP Scientist Award I from the University of the Philippines System.
- 2005 The Outstanding Young Men Award (TOYM) given by the Philippine Jaycees Inc. and the TOYM Foundation
- 2005 Gerry Roxas Leadership Award given by the Gerry Roxas Foundation Inc.
- 2005 Gawad Chancellor Hall of Fame Award for BEST REPS (Research Category) awarded by the University of the Philippines, Diliman
- 2005 Gawad Chancellor for Natatanging Nilathalang Pananaliksik (Best Research Paper in Science and Technology Cluster) for the 2002 paper "Evaluating DNA tests for

- Motherless Cases using a Philippine Genetic Database" published in Transfusion 42: 954-957 by **De Ungria MCA et al**
- 2005 National Academy of Science and Technology Outstanding Paper Award-"Allele Frequency Distribution of the Y-chromosomal STR haplotype of Filipinos in the NCR for Forensic Applications "published in Philippine Journal of Science. 132(2):95-101 by Tan MM, Calacal GC, Delfin FC, Roewer L and **De Ungria MCA**
- 2004 Gawad Chancellor Award for Best REPS (Research Category) awarded by the University of the Philippines, Diliman
- 2004 National Academy of Science and Technology Best Poster Award (Social Sciences) "Population Data of 15 Philippine Regional Centres at Five STR Markers: A Look into Our Genetic History" by Tan MM, Calacal GC, Delfin FC, Tabbada KA, Tan MP, Ferreon JC, Perdigon HB, Halos SC, and **De Ungria MCA**
- 2003 Outstanding Young Scientist Award for Molecular Biology given by the National Academy of Science and Technology
- 2003 National Academy of Science Outstanding Scientific Paper Award "The Philippine Genetic Database of Short Tandem Repeats (STR) in DNA-based Paternity Testing" published in the Philippine Journal of Science 131(1):1-8 by **De Ungria MCA**, Ferrer AF, Tabbada KA, Tan MM, Delfin FC, Calacal GC, and Halos SC
- 2003 Gawad Chancellor Award for Best REPS (Research Category) awarded by the University of the Philippines, Diliman
- 2002 Gintong Sikap Award for Education/Lady Scientist awarded by the Federation of Filipino Consumers Inc.
- 2002 Gawad Chancellor Award for Best REPS (Research Category) awarded by the University of the Philippines, Diliman
- 2002 Participant in the Identification of the Paco Fire Victims that garnered "The Most Outstanding Institution for Community Service Award" given by the Volunteers against Crime and Corruption
- 2000 Travel award from the International Service for the Acquisition of Agri-biotech Applications (ISAA) to visit biotechnology laboratories in Bangkok, Thailand
- 1999 Jose Rizal Young Achiever Award for the Professional Sector (Top Men and Women of the New Millennium) given by the Rizal Foundation, Inc

#### ■ **RECOGNITION BY PHILIPPINE COURTS OF LAW**

The Supreme Court recognized her in *People of the Philippines vs. Joel Yatar*, 2004 GR No. 150224, as an Expert Witness in DNA identification techniques

The Supreme Court recommended the use of forensic DNA technology as a tool to resolve parentage issues and cited the *UP-NSRI DNA Analysis Laboratory in Tijing, Tijing, Court of Appeals vs. Diamante* GR No. 125901; and *Maria Jeanette C. Tecson and Felix B. Desiderio, Jr., vs. The Commission on Elections, Ronald Allan Kelly Poe (a.k.a. Fernando Poe, Jr.) and Victorino X. Fornier* GR No. 161434

## ■ RESEARCH GRANTS

### ● As Principal Investigator

- 2023 Establishment of the aSTR-SNP DNA Database of the Sulu Archipelago for forensic and anthropological applications in collaboration with the Institute of Mathematics, funded by the Natural Sciences Research Institute
- 2022-2023 Y-STR Haplotype Evidence Interpretation using Discrete Laplace Models of the Philippine and Austronesian Reference Databases of the Y Haplotype Reference Databases
- 2022 Documenting Genomic Studies with Sama and Related Groups: Applying Ethical Principles in Indigenous Peoples Research funded by the Natural Sciences Research Institute
- 2019-2024 Filipino Genome Regions to Help Resolve Child Sexual Abuse Cases funded by the Philippine Council for Health, Research, and Development of the Department of Science and Technology
- 2019-2021 Development of the Forensics Training Manual for Field Investigators and Lawyers of the Commission on Human Rights funded by international partners through the UP Foundation Inc
- 2019-2021 Genetic Analysis of SNP-STR DNA of Mangyan Communities of Mindoro funded by the Office of Vice Chancellor for Research and Development, University of the Philippines Diliman
- 2018-2021 Sama Origins and Transformations: Evidence from Genes, Languages, and Cultures funded by the Commission on Higher Education and the National Commission on Culture and the Arts
- 2012-2018 Palaeo-environmental and Biodiversity Study of Mindoro Island: An Archaeological Science Initiative funded by the Office of the Vice President for Academic Affairs, the University of the Philippines to the Archaeological Studies Program through the Emerging Technologies Program
- 2015-2017 Expansion of the Philippine Population Database for Forensic Genetics utilizing DNA Fragment Analysis, Capillary Sequencing, and Next Generation Sequencing for Forensic Applications funded by the Philippine Council for Health Research and Development
- 2013-2017 Reconstruction of Jose Rizal's DNA to Study his Genealogy and Genetic Ancestry using Lineage and Ancestry Informative Markers funded by the Office of the Vice President for Academic Affairs (OVPAA), UP System under the Program on Forensics and Ethnicity of the Philippine Genome Centre
- 2013-2016 Validation of DNA Profiling Methods for Human Teeth funded by the Office of the Vice-Chancellor for Research and Development, University of the Philippines Diliman
- 2013-2015 Y-chromosomal DNA Variation of Filipinos across Families using Rapidly Mutating (RM) Y-chromosome Specific Short Tandem Repeat (STR) Markers funded by the Philippine Council for Health Research and Development under the Human DNA Forensics Program

- 2013-2015 DNA profiling of Human Urine Samples for Identification funded by the Office of Vice Chancellor for Research and Development, University of the Philippines, Diliman
- 2012-2015 Formulation of an Integrated System of Forensic DNA Testing for the Evaluation of Sexual Assault Cases in the Philippines funded by the Office of the Vice President for Academic Affairs, University of the Philippines through its Creative Work and Research Grant
- 2011-2013 Mitochondrial DNA Diversity of Philippine Negrito Populations funded by the L'Oreal for Women in Science Program
- 2009-2012 DNA testing of Child Trafficking Cases supported by the DNA-Prokids Initiative, Granada, Spain
- 2009-2012 Validation of Extraction Methods for Human DNA from Used Cigarettes funded by the Office of Vice Chancellor for Research and Development, University of the Philippines, Diliman
- 2009-2012 Validation of Procedures in DNA Extraction from Formalin-Fixed Paraffin-Embedded tissue (FFPET) Samples funded by the Office of Vice Chancellor for Research and Development, University of the Philippines, Diliman
- 2009-2011 Evaluation of Real-Time PCR assays for Quantitation of Nuclear and Mitochondrial DNA: Application to Forensic DNA Analysis funded by the Office of Vice Chancellor for Research and Development, University of the Philippines, Diliman
- 2009-2011 Validation of Molecular Methods for Species Identification of Meat and Meat Products funded by the Natural Sciences Research Institute, University of the Philippines, Diliman
- 2009-2010 Forensic DNA Analysis of Vaginal Swab Samples from Child Victims of Sexual Assault using Y-STR Multiplex Typing Procedure funded by the Office of Vice Chancellor for Research and Development, University of the Philippines, Diliman
- 2007-2008 Validation of Procedures for DNA Extraction of Pork Products funded by the Natural Sciences Research Institute, University of the Philippines, Diliman
- 2007-2008 DNase-Producing Bacteria in Exhumed Human Bones: Implications to Successful Human DNA Typing funded by the Office of the Vice-Chancellor for Research and Development, University of the Philippines, Diliman
- 2007-2008 Development of the National Capability to Conduct Forensic DNA Testing. Funding from the House of Representatives
- 2006-2012 Understanding the Genetic Diversity and Identity of Filipino Populations funded by the Max Planck Institute for Evolutionary Anthropology, Leipzig, Germany
- 2006-2007 Validation of Procedures in Forensic DNA Analysis of Exhumed Human Bones for Identification Purposes funded by the Office of the Vice-Chancellor for Research and Development, University of the Philippines, Diliman
- 2006-2007 HUGO Pan Asia SNP Consortium. Collaborative work funded by the Genome Institute of Singapore and the Institute of Human Genetics, University of the Philippines, Manila

- 2004-2006 Formulating a National Strategy for Local Accreditation of Forensic DNA Laboratories in the Philippines funded by the Centre for Integrative Studies, University of the Philippines, Diliman
- 2004-2006 Incorporation of DNA Evidence in the Resolution of Sexual Assault Cases in the Philippines funded by the Panibagong Paraan- Development Innovation in the Marketplace with the theme of "Making Services Work for the Poor."
- 2004-2005 Continuing Education for the Judiciary and Legal Professionals in the Forensic Applications of DNA Analysis funded by the British Embassy Manila
- 2004-2006 Genetic Study of Selected Philippine Ethnic Communities using Y-chromosome Single Nucleotide Polymorphisms (SNP's) for Molecular Lineage Studies funded by the European Commission, Royal Society of London, and the Sanger Institute, Cambridge, United Kingdom
- 2004 Studying Death Penalty Cases in the Philippines financed by the Centre for Capital Punishment Studies, University of Westminster, United Kingdom
- 2004 National Capital Region (NCR) Population Genetic Database and Inheritance Study of five X- chromosomal Short Tandem Repeats (X-STRs) funded by the Natural Sciences Research Institute, University of the Philippines, Diliman
- 2003 Validation of Procedures for Forensic DNA Analysis of Samples from Child Sexual Assault Victims funded by the Office of the Vice-Chancellor for Research and Development, University of the Philippines, Diliman
- 2003 Genetic Study of the Philippine Archipelago using Y chromosome Single Nucleotide Polymorphisms (SNP's) and Short Tandem Repeat (STR) markers for Forensic Casework and Molecular Lineage Studies funded by the Third World Academy of Sciences
- 2003 Training in Forensic DNA Analysis and the Law sponsored by the British Embassy and the Institute of Environmental Science Research, New Zealand
- 2003 Genetic Study of the National Capital Region using Y-chromosome Single Nucleotide Polymorphisms (SNPs) funded by the Natural Sciences Research Institute
- 2002 Mitochondrial DNA Heteroplasmy in a Filipino Population funded by the Natural Sciences Research Institute, University of the Philippines, Diliman
- 2001-2004 Democracy and Human Rights in Asia: Research, Training and Extension Services in Forensic DNA Analysis in the Philippines funded by the European Commission.
- 2001-2003 Research in Forensic DNA Analysis funded by the Philippine Council for Advanced Science Technology Research and Development, Department of Science and Technology
- 2000-2001 Y-chromosomal DNA Variation of a Representative Filipino Population funded by the Natural Sciences Research Institute, University of the Philippines, Diliman
- 2000-2002 Determination of the Minimum Probability of Paternity in a Filipino Population funded by the Office of the Vice-Chancellor for Research and Development, University of the Philippines, Diliman
- 1999– Validation of DNA Typing Procedures and Assessment of Genetic Relationships among Filipino Ethnical Language Groups, Commitment Project, University of the Philippines, Diliman.



- **As Research Team Member**

- 2023 Reconstructing the Genetic History of the Philippine Red Junglefowl Using Archival and Ancient DNA led by JM Salvador and MB Herrera and funded by the Natural Sciences Research Institute
- 2023 Validation of DNA Typing Procedures for Handling Exhumed Human Remains led by FC Delfin, GC Calacal and BG Gallardo and funded by the Natural Sciences Research Institute
- 2022-2023 Y-STR Haplotype Evidence Interpretation using Discrete Laplace Models of the Philippine and Austronesian Reference Databases of the Y Haplotype Reference Databases
- 2019-2022 Market Validation of the Sexual Assault Investigation Kit (SAI.Kit) led by MM Dalet and funded by the Office of the Vice-Chancellor for Research and Development, University of the Philippines Diliman
- 2019-2022 Digitizing the DNA Forensic Analysis Laboratory of NSRI-UPD Resource Materials: Increasing Discoverability and Re-Usability in a Data-Intensive Environment led by MS Sagum funded by the Office of the Vice-Chancellor for Research and Development, University of the Philippines Diliman
- 2019-2022 Genome-wide study of Philippine Negritos led by JM Salvador funded by the Office of the Vice-Chancellor for Research and Development, University of the Philippines Diliman.
- 2019-2022 Generation of Philippine data using the Global Ancestry Informative Markers (AIMS) Panel version 2 led by NJA Soliven and funded by the Office of the Vice-Chancellor for Research and Development, University of the Philippines Diliman
- 2016-2017 Validation of DNA Profiling Methods for Human Teeth led by GC Calacal and funded by the Natural Sciences Research Institute, University of the Philippines, Diliman
- 2016-2017 Philippine Population Reference Genetic Database at Twelve X-chromosomal Short Tandem Repeat (X-STR) DNA Markers for Forensic Applications led by JM Salvador funded by the Office of the Vice-Chancellor for Research and Development, University of the Philippines Diliman
- 2013-2016 Forensic DNA Analysis Procedures for Human Remains Identification led by GC Calacal financed by the Philippine Council for Health Research and Development (DOST-PCHRD) under the Human DNA Forensics Program
- 2012-2013 Y-chromosomal DNA Variation of the Filipino Population led by JM Salvador funded by the Office of the Vice-Chancellor for Research and Development, University of the Philippines Diliman
- 2009-2010 Evaluation of Real-Time PCR Assays for Quantitation of Nuclear and Mitochondrial DNA led by JM Salvador funded by the Office of the Vice-Chancellor for Research and Development, University of the Philippines Diliman
- 2005 Genetic Study of Selected Philippine Regional Groups using Autosomal Single Nucleotide Polymorphisms (SNPs) for Human Identification funded by the University of Koln, Germany

## ■ PUBLICATIONS

- De Ungria MCA** and Jimenez EB. 2022. Genetic Research with Indigenous Cultural Communities/Indigenous Peoples in the Philippines. *Philippine Journal of Applied Health Sciences*. (accepted).
- De Ungria MCA**, Jimenez EB, Espigar ARME and Mijares, ASB. 2022. Challenges in Population Sampling for Genetic Research in the Philippines: A Case Report. *Philippine Journal of Applied Health Sciences*. (accepted).
- Rodriguez JJRB, Cuales JMD, Herrera MJB, Zubiri LAM, Muallil RN, Ishmael AI, Jimenez EB, Stoneking M and **De Ungria MCA**. 2022. Ethical Challenges in Genetic Research among Philippine Indigenous Peoples in Zamboanga and the Sulu Archipelago. *Frontiers in Genetics*. 13:1-13
- De Ungria MCA**, Dalet MRM, Sagum MS, Tan MP and Madrid BJ. 2022. The Development of a Local Sexual Assault Investigation Kit: The Philippine Experience. *Acta Medica Philippina*. 56(15):30-39.
- Calacal GC, Delfin FC and **De Ungria MCA**. 2022. A Retrospective Look on the Use of DNA Evidence in a Sexual Assault Investigation in the Philippines. *Acta Medica Philippina*. 56(15):119-124.
- Smith A, **De Ungria MCA**, Jose JM and Liebrez M. 2022. The 2022 Philippine election, mental health and the “war on drugs.” *Drug and Alcohol Review*. DOI: 10.1111/dar.13521.
- de Castro AE and **De Ungria MCA**. 2022. Methods used in Microbial Forensics and Epidemiological Investigations for Stronger Health Systems. *Forensic Science Research*. 1-12. DOI: 10.1080/20961790.2021.2023272.
- Fortajada EB, Fontanilla IKH and **De Ungria MCA**. 2021. Incorporating Animal Forensics in Routine Meat Inspection in the Philippines. *Forensic Science International: Animal and Environments*. 1:100020.
- Carascal MB, Fontanilla IKH and **De Ungria MCA**. 2021. The Ibaloi Fire Mummies: The Art and Science of Mummification in the Philippines. *Anthropological Science Journal*. 129(2):197-202. UP International Publication Award.
- Jose JM and **De Ungria MCA**. 2021. Death in the Time of Covid-19: Efforts to Restore the Death Penalty in the Philippines. *Forensic Science International: Mind and the Law*. 2:100054.
- Jose JM and **De Ungria MCA**. 2021. Bringing the science back into forensic science in death investigations in the Philippines during the COVID-19 pandemic. *Forensic Science International: Reports*. 3:100185.
- Rodriguez JJBR, Laude RP and **De Ungria MCA**. 2021. An Integrated System for Forensic DNA Testing of Sexual Assault Cases in the Philippines. *Forensic Science International: Synergy*. 3:100133. UP International Publication Award.
- Calacal GC, Gallardo BG, Apaga DLT and **De Ungria MCA**. 2021. Improved autosomal STR typing of degraded femur samples extracted using a custom demineralization buffer and DNA IQ™. *Forensic Science International: Synergy*. 3:100131. UP International Publication Award.
- De Ungria MCA**. 2020. Forensic DNA Testing during the SARS-CoV-2 Pandemic. *Forensic Science International: Genetics* 48:102346. UP International Publication Award.

- De Ungria MCA.** 2020. The Innocents Project Philippines Network. The ISHI Report. <https://promega.foleon.com/theishireport/may-2020/the-innocents-project-philippines/>.
- De Ungria MCA** and Jose JM. 2020. The war on drugs, forensic science, and the death penalty in the Philippines. *Forensic Science International: Synergy.* 2:32-34. UP International Publication Award.
- Salvador JM, Rodriguez JJRB, Carandang LCDL, Agamata AB, Honrado MLD, Delfin FC and **De Ungria MCA.** 2019. Filipino DNA variation at 36 Y-chromosome short tandem repeat (STR) marker units. *Philippine Journal of Science.* 148(S1):43-52. UP International Publication Award.
- Rodriguez JJBR, Calacal GC, Laude RP and **De Ungria MCA.** 2019. Integrating presumptive and confirmatory semen tests into DNA profiling of sexual assault evidence: A Philippine example. *Egyptian Journal of Forensic Sciences* 9(45): 1-11. UP International Publication Award.
- Rodriguez JJBR, Bright J, Salvador JM, Laude RP and **De Ungria MCA.** 2019. Likelihood ratios of two-person DNA mixtures interpreted using semi- and fully continuous systems. *Data in Brief* 26(104455):1-10. UP International Publication Award.
- Go MC and **De Ungria MCA.** 2019. Forensic science and the Philippines' war on drugs. *Forensic Science International: Synergy.* 1:288-289. UP International Publication Award.
- Rodriguez JJBR, Bright J, Salvador JM, Laude RP and **De Ungria MCA.** 2019. Probabilistic approaches to interpreting two-person DNA mixtures from post-coital specimens. *Forensic Science International.* 300: 157-163. UP International Publication Award.
- Soliven NJA, Honrado MLDH, Calacal GC and **De Ungria MCA.** 2019. "Pee value": Storing Urine for subsequent DNA analysis. *Science Diliman.* 31(1):54-68.
- Sales PRL, Ferrer DEC, Calacal GC, Salvador JM and **De Ungria MCA.** 2019. Validation of Two Extraction Methods for Human DNA from Cigarette Butts. *Science Diliman.* 31(1):25-36.
- De Ungria MCA.** 2018. Validation of DNA Mixture Protocols: How Many is Enough? *AFSN Forensic Asia.* 8:46-47.
- Salvador JM, Apaga DLT, Delfin FC, Calacal GC, Dennis SE and **De Ungria MCA.** 2018. Filipino DNA variation at 12 X-chromosome short tandem repeat markers. *Forensic Science International: Genetics.* 36: e8-e12. UP International Publication Award.
- Calacal GC, Salvador JM, Sagum MS, Fortun RdR and **De Ungria MCA.** 2018. Pathology and DNA analysis of exhumed remains three years post-mortem. *Philippine Journal of Science.* 147(1):9-16. UP International Publication Award.
- Apaga DL, Salvador JM, Dennis SE, Calacal GC, and **De Ungria MCA.** 2017. Comparison of Two Massively Parallel Sequencing Platforms using 83 Single Nucleotide Polymorphisms for Human Identification. *Scientific Reports* 7(398):1-6. UP International Publication Award.
- Rodriguez JJRB, Calacal GC, Laude, RP and **De Ungria MCA.** 2017. Non-differential DNA extraction of post-coital samples submitted as evidence for investigating sexual assault cases in the Philippines. *Philippine Science Letters* 10(1):14-21.
- Calacal GC, Apaga DL, Salvador JM, Jimenez JA, Lagat LJ, Villacorta RP, Lim MC, Fortun RD, Datar FA and **De Ungria MCA.** 2015. Comparing different post-mortem human samples as DNA sources for downstream genotyping and identification. *Forensic Sci Int* 19:212-220. UP International Publication Award.

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#### ■ BOOK CHAPTERS/ CONTRIBUTIONS

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## ■ POLICIES

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## ■ NEWS/ONLINE ARTICLES

**De Ungria MCA** and Jimenez EBJ. 2021. Ethical Challenges in Genetic Research with Indigenous Cultural Communities/Indigenous Peoples in the Philippines. PGC Bulletin. <https://pgc.up.edu.ph/research-development/biodiversity-and-ethnicity/icc-ip-ethical-challenges-in-genetics-research/>, 18 May.

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Rodriguez JRB, Laude RP and **De Ungria MCA**. 2013. DNA testing of sexual assault cases: Surmounting challenges in the Philippine setting. *Philippine Star*. 21 February.

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## ■ LECTURES

### ● Plenary Speaker

- “Changing Lives with DNA” during the International Molecular Biology and Genetics Winter School (IUGEN XVIII), zoom webinar, 25 March 2021.
- “Human Population Genetics Research during SARS-CoV-2 Pandemic” during the 2nd International Conference on IKSP entitled “The Critical Role of Indigenous Knowledge Systems and Practices (IKSP) amidst the Calamities and Pandemics,” 12 December 2020.
- “Challenges in Forensic DNA Testing during a Pandemic” during the UP Manila Webinar on “Forensics and Pandemics: Concepts,” 2 July 2020.
- “Forensic Genetics in the Philippines” during the 56<sup>th</sup> Foundation Anniversary Celebration of the Trinity University of Asia with the theme “Working Mobility, Innovations, and Global Competitiveness, Dr. Eva Villanueva Lecture series, Mandel Hall, Trinity University of Asia, Quezon City, Philippines, 22 November 2019.
- “Passion Amidst Disruption: Scientists in the 4<sup>th</sup> Industrial Revolution” during the WOkE3 UPLB STS Symposium, DL Umali Hall, UP Los Banos, 14 October 2019.
- “Embracing our Ingenuity: Engineering the Filipino Society” during the 2019 STEM Expo organized by the Philippine Society for Youth Science Clubs, SMX Convention Center Aura, 26 May 2019.
- “The Contribution of an Australian Education to the Development of Philippine Science” during the Launching of the Australian Alumni Awards organized by the Australian Embassy, UP Los Banos, 27 February 2019.
- “Forensic Genetics: Science, Health, Justice, and Human Rights all in One” during the Youth Math Science and Technology (YMSAT) Festival 2019 with the theme “Agham Para sa Pinoy: Catalyse Change. Exceed Barriers” organized by the Philippine Science High School Main Campus, Quezon City, 28 January 2019.
- “Forensic Genetics in the Philippines: Human Identification in Challenging Times” during the International Conference of the Genetics Society of Korea organized by the Genetics Society of Korea. K Hotel, Seoul, South Korea, 29-30 November 2018.
- “Forensic Science in Challenging Environments: The Philippine Experience.” 21<sup>st</sup> Triennial Meeting of the International Association of Forensic Sciences with the theme “Inter-Professional Collaboration in Forensic Science” held at the Sheraton Toronto, Toronto, Canada, 21-25 August 2017.
- “Challenges in the Conduct of Genetic Research involving Philippine indigenous communities” during the 36th Annual PAASE Meeting and Symposium with the theme “Converging Academe-Government-Industry Science and Technology Stakeholders to Accelerate Philippine Innovation”, held at the Manila Hotel, 14-15 July 2017
- “Scientific Discoveries, Urbanization, and Progress- Do these present threats to Nature?”, 2<sup>nd</sup> PSHS-CARC Research Congress with the theme “Stewarding Nature, Sustaining Resources for the Future” held at the Philippine Science High School CAR Campus, Baguio City, Benguet, 20 April 2017.
- “DNA Analysis and Forensic Science.” 2017 FSTeM Week with the theme “Exploring the Innovative World of Science and Mathematics Education and Research.” Philippine National University, 27 January 2017.

- “The Double Helix in Court: DNA as Catalyst for Change,” 2015 Science Week, the University of Santo Tomas with the theme “Advancing Smart and Sustainable Science for a Unified ASEAN,” UST 23 March 2015.
- “New Technologies in Forensic Genetics.” 42nd Annual Convention of the Philippine Society of Biochemistry and Molecular Biology with the theme “Omics: Applications in Biomedical, Agricultural, and Environmental Sciences.” Centro Escolar University, Philippines, 3-4 December 2015.
- “The value of mentoring in research.” Flagship Course on the Management of Research in State Universities and Colleges (SUCs). Development Academy of the Philippines, 16 January 2014.
- “The Biologist as a Researcher.” 1<sup>st</sup> Science Congress organized by the Philippine Science High school System and the MMLDC Foundation with the theme “Building a Culture of Science.” MMLDC, Philippines, 17 November 2010.
- “DNA Testing as a Tool for Paternity Exclusions.” 27<sup>th</sup> Convention of the Philippine Blood Coordinating Council (PBCC) with the theme “From Vein to Vein: Quality Steps in Every Way.” EDSA Shangri-La Hotel, Philippines, 20 August 2010.
- “Forensic Bio-detectives: Using Science to Solve Crimes.” The talk was given to high school students in the Philippine Science High School Iloilo (20 November 2009), Davao (23 November 2009), and SM Mall of Asia (26 November 2009) during the National Biotechnology Week.
- “Impact of DNA Evidence in the Philippine Criminal Justice System”. 1<sup>st</sup> REPS Research Colloquium. UP National Institute of Science Mathematics Education, UP Diliman campus, Quezon City, Philippines, 22 February 2008.
- “Biologist as a Researcher.” 42<sup>nd</sup> Annual Convention of the Biology Teachers Association (BIOTA). Thomas Aquinas Research Centre Auditorium, University of Santo Tomas, España, Manila, Philippines, 13 April 2007.

- **As Lecturer**

- “Strengthening Research Involving Human Participants through the Ethical Review of Protocols,” during the 2023 Conference-Workshop on Indigenous Languages and the Sustainable Development Goals: Carrying Out the Global Action Plan and the 2030 Agenda, University of the Philippines Visayas, Iloilo City, 21-24 February
- “DNA Forensics: Science of Human Identification” during the 3rd International Forensic Science Conference entitled ‘Forensic Science: Beyond Interdisciplinary Applications,’ Park Lodge Hotel, Baguio City, Philippines, 1 December 2022.
- “Forensic Genetics: The Role of Genetics in Solving Mystery Investigations” in celebration of Genetics Week entitled ‘The Missing Link: Binding Genetics and Law to Investigate Unresolved Mysteries’, 26 November 2022.
- “Life as an Experiment: The World as My Laboratory” during the virtual Career Talks on Biotechnology organized by the Philippine Science High School System for the 18th National Biotechnology Week entitled ‘Responding to the Challenges: Business Opportunities in Biotechnology’, 23 November 2022.
- “Forensic DNA Testing: A Path Forward” during the 16th Annual Scientific Career System Annual Meeting and Scientific Forum entitled ‘PAGTANAW 2050: Kaisa ang Philippine

- Career Scientists sa Maunlad na Bayan at Mamamayan’, organized by the National Academy of Science and Technology and the Philippine Association of Career Scientists, Philippine Rice Research Institute, Science City of Munoz, 18 November 2022.
- “Source Attribution through DNA Profiling” during the Workshop entitled ‘Strengthening Chemical Threat Agent Analysis and Source Attribution Capabilities in the Philippines’, organized by the US Department of State and the Pacific Northwest National Laboratory, Sheraton Hotel, Manila, 8-11 November 2022.
- “Role of DNA in Forensic Science” during the 40th Samahang Pisika ng Pilipinas Physics Conference and Annual Meeting with the theme ‘Physics 2.0.2022: Renormalizing Uncertainties with Physics’, Bicol University, 21 October 2022.
- “Perspectives: Ethics in Population Genetics Research” during the 8th General Assembly of the Philippine Health Research Ethics Network with the theme ‘The Role of the National Ethical Guidelines in the Philippine Research System’, 7 October 2022.
- “Forensic DNA Technology in the Philippines” and “The Use of DNA Evidence in Criminal Investigations” during the E.O. 330 (ETEEAP) workshop, PHINMA Education, Cagayan de Oro College, 1 October 2022.
- “Science and DNA for National Development” during the 3<sup>rd</sup> International and 6<sup>th</sup> National Conference on Poverty Alleviation and Sustainable Development with the theme ‘Convergence of Borderless Opportunities to End Poverty, organized by Samar State University, 22 September 2022.
- “Forensic DNA Technology for Kinship Testing” during the National Science Club Month Lectures of the Philippine Society of Youth Science Club with the theme ‘GeneScape: Priming Perspectives, Amplifying Advancements’, 10 September 2022.
- “Forensic DNA Tests in Sexual Assault Investigations” for PSHS CALABARZON Summer Internship Program, Natural Sciences Research Institute, 11 July 2022.
- “Forensic DNA Technology in the Philippines” for the Department of Biological Sciences, Cavite State University, during their Webinar Series entitled “Forensic Science: Why it Matters”, 31 May 2022.
- “Forensic DNA Technology in the Philippines” for Bio153, the University of the Philippines Manila 20 and 21 May 2022.
- “My Career in Genetics: Serving Society through Science” during the Webinar entitled “Conversations in STEM: The Less Explored Fields in Science and Technology,” University of Santo Tomas High School, 6 April 2022.
- “My Career in Genetics: Serving Society through Science” during the Science and Technology Jam 2022 held at the Philippine Science High School –Ilocos Region campus with the theme “Women UP: Gender Equality in STEM for Sustainable Development”, 10 February 2022.
- “Forensic DNA Testing in the Philippines: Status and Challenges from the Laboratory to the Courtroom” for the Philippine Society of Pathologists Inc., 11 December 2021.
- “Biodiversity, Ethnicity and Forensic Genomics: Challenges and Opportunities” for the 2021 Genomics and Bioinformatics Conference entitled ‘Overcoming Challenges, Building Opportunities, 7-9 December 2021.
- “Latest Research, Technology, and Innovation on Forensic Science” for the Philippine Society for Science Youth Clubs, Inc. entitled ‘SCOUT: Simulating Critical Operations on Uncovering Truths,’ 4 December 2021.

- “Bio branches: Life within and beyond Biology” for the Far Eastern University Biosoc Webinar series entitled ‘The Awakening: Unveiling of possibility, arising from uncertainty,’ 20 November 2021.
- “Forensic DNA Technology Parts I and II” Webinars for UP Manila Biology 153 – Forensic Biology classes held on 27 and 29 October 2021.
- “The Role of Indigenous Communities in Forensic Science” for the University of Baguio-School of Criminal Justice and Public Safety (UB-SCJPS)-Forensic Science Department, 9 October 2021.
- “Ethical Standards, protocols, and considerations of genomic and other extractive studies in IP communities” in KAPIhan RTD Series 2 with the theme ‘Genomic and archaeological Research Ethics in Engaging Indigenous Communities,’ session panelist- 2 October 2021.
- “Forensic DNA Technology and the Philippine Criminal Justice System: Possibilities and Actualities” during the 2<sup>nd</sup> International Lecture Series of the Holy Angel University, with the theme ‘Plus Ultra: Unravelling the Emerging Trends and Emerging Trends and Innovations in Forensic Science,’ 18 September 2021.
- “Forensic DNA and the Law” for the Science, Technology and Society Class, Institute of Biology, UP Diliman, 8 June 2021.
- “The Use of DNA Evidence for the Protection of Women and Children” for the University of Baguio-School of Criminal Justice and Public Safety (UB-SCJPS)-Forensic Science Department, 17 May 2021.
- “The Use of DNA Evidence for the Protection of Women and Children” during the Zonta Club of Manila meeting, 29 April 2021.
- “Human Population Genetics Research during the SARS-CoV-2 Pandemic”, 2<sup>nd</sup> International Conference on IKSP entitled “The Critical Role of Indigenous Knowledge Systems and Practices (ISP) amidst the Calamities and Pandemics,” 12 December 2020.
- “Fieldwork and Population Genetic Studies in the Philippines” during the Annual International Molecular Medicine Conference with the theme “Strengthening Community Involvement in Molecular Medicine Research,” 25 November 2020.
- “Genetic Genealogy and Ancestry: Exploring What is Written in One’s DNA” –discussant for the Social Innovation Panel during the 40th Anniversary of the Philippine American Association for Science and Engineering with the theme “Outreach to Philippine Regions”, 10 August 2020.
- “Challenges in Forensic DNA Testing during a Pandemic” during the UP Manila Webinar on “Forensics and Pandemics: Concepts,” 2 July 2020.
- “Forensic DNA Testing in the Philippines” during the Forensic Odontology Workshop, Caloocan City Hall, 5 February 2020.
- “Challenges in Establishing an Innocents Project in the Philippines: The Innocents Project Philippines Network Experience during the American Academy of Forensic Sciences Meeting in Anaheim, California USA, 21 February 2020.
- “The Genetic Story of Mangyans on the Island of Mindoro” during the Philippine Genome Fora Series of 2020, Institute of Biology, University of the Philippines, Diliman 31 January 2020.

- “DNA Forensics for the Protection of Women and Children” during the Child Protection Forum, organized by the Consuelo Foundation, City Garden Grand Hotel, Makati City, Philippines, 11 December 2019.
- “DNA Forensics” at the Biology Forum of the 56<sup>th</sup> Founding Anniversary of the College of Arts Science and Education of the Trinity University of Asia, 22 November 2019.
- “Forensic DNA Technology in the Philippines” during the WOKE3 UPLB STS Symposium entitled “Passion Amidst Disruption: Scientists in the 4<sup>th</sup> Industrial Revolution”, 14 October 2019 UP Los Banos.
- “Ethics Policies on Genetic Studies in Filipino Indigenous Peoples/ Indigenous Cultural Communities” during the 5<sup>th</sup> Philippine Health Research Ethics Network (PHREN) Assembly with the theme “Amidst Research Challenges: Strengthening Research Integrity through Robust IRB Review,” Bayanihan Hall, UNILAB, Mandaluyong, Philippines, 2-3 October 2019.
- “DNA Forensics and Human Rights” during the Gender Summit Asia Pacific with the theme “Diversity and Gender in Science: Enhancing the Value of Research and Innovation” organized by Portia and the Institute of Medical Biology, Singapore, Biopolis, Singapore 28-29 August 2019.
- “Investigation of Victim’s Identity Based on DNA” during the Basic Course on Forensics for Mass Casualty Identification and the Advance Course on Forensics for Mass Casualty Identification organized by the College of Arts and Sciences, UP Manila, Citystate Hotel, Manila, 23 and 25 July 2019.
- “My Career in Genetics: Serving Society through Science” during the Symposium for the Youth held during the National Science and Technology Week with the theme “Science for the People: Enabling Technologies for Sustainable Development” organized by the National Academy of Science and Technology, World Trade Centre, 20 July 2019.
- “My Career in Genetics: Serving Society through Science” during the 1<sup>st</sup> Women in STEM talks, with the theme “Women are Pioneers” organized by the UP Women in Engineering, Maynilad Room, College of Engineering, UP Diliman, 24 April 2019.
- “Pan Asia SNP Initiative” during the 40<sup>th</sup> Annual Meeting of the Anthropological Association of the Philippines with the theme “Our Interconnected: Doing Anthropology in a Time of Ecological Crisis.” Palawan State University, Puerto Princesa, Palawan 9 November 2018.
- Overview of the Program entitled “Reconstructing Sama Origins and Transformations through Genes, Languages, and Cultures” during the Mindanao State University – Tawi-Tawi College of Technology and Oceanography seminar, Bongao Tawi-Tawi, 26 October. 2018.
- Ethics in Research. Seminar on “Reconstructing Sama Origins and Transformations through Genes, Languages, and Cultures,” held at the Mindanao State University – Tawi-Tawi College of Technology and Oceanography, Bongao Tawi-Tawi, 26 October. 2018.
- “REPS Contribution to Knowledge Generation in Forensics and Ethnicity” during the UP System-wide REPS conference, UP Diliman, 18-19 October 2018.
- “Life as an Experiment: The World as My Laboratory” National Academy of Science and Technology Symposium for the Youth, University of Eastern Philippines, Catarman, Northern Samar 18 September 2018.
- “A Tale of Two Cases: The Use of DNA Evidence in the Philippines” National Academy of Science and Technology Meet the Scientists Lecture Series, University of Eastern Philippines, Catarman, Northern Samar 17 September 2018.

- “Working as a DNA Forensic Scientist in the Philippines” during the National Science Technology Fair organized by the Department of Education, Tagaytay International Convention Centre, Tagaytay City, Philippines, 6 February 2018.
- “Working as a DNA Forensic Scientist in the Philippines” during the 30<sup>th</sup> Anniversary Career Talks organized by the National Institute of Molecular Biology and Biotechnology, University of the Philippines Diliman, Philippines, 7 December 2017.
- “Exploring a Career in Forensics: Serving Society through Science” during the 13<sup>th</sup> National Biotechnology Week with the theme, “*Bioteknolohiya Para sa Kalikasan, Kalusugan, Kagandahan, Kabuhayan at Kaunlaran*” organized by the Department of Science and Technology, Taguig, Philippines, 22 November 2017.
- “Forensic Science in Challenging Environments: The Philippine Experience” during the 8<sup>th</sup> National Intercollegiate Genetics Quiz Contest (NIGQC) with the theme, “Mapping Molecular Traces: Decoding Forensic Mysteries through Modern Genetic Breakthrough” organized by the UPLB Genetics Society, SEARCA, Los Banos, Philippines, 4 November 2017.
- “Science at the Service of Society” during the ASEAN Forum on Innovative Leadership organized by the Philippine Civil Service Commission, Conrad Hotel, Pasay City, Philippines, 3 November 2017.
- “Genetic Relationships among Indigenous Peoples of the Philippines” during the National Symposium-Workshop on Developing S&T Innovation Hubs and Clusters Focusing on NTFPs from IP Ancestral Lands organized by the National Academy of Science and Technology, Marine Science Institute, University of the Philippines, Diliman 17-18 October 2017.
- “Pursuing Forensic Science as a Career in the Philippines” and “Review of Related Literature: Data-Mining Available Resources” during the Salinlahi Symposium Series and Salinlahi Guro ng Siyensiya, respectively organized by the Philippine Science Heritage Centre under the management of the National Academy of Science and Technology, Ocean 101 Beach Resort, Siargao, Surigao del Norte, Philippines, 12-13 October 2017.
- “Forensic Science in Challenging Environments: The Philippine Experience” during the Scientific Career System Annual Meeting and 11<sup>th</sup> Scientific Symposium with the theme “Scientists as Innovators/Partners in Agriculture/Industry Development and Environmental Protection” organized by the National Academy of Science and Technology, Acacia Hotel, Alabang City, Philippines, 28 September 2017.
- “Perspective of DNA Extraction and Molecular Techniques” during the Developing a Curriculum (DACUM) Activity for the Master in Forensic Science and Investigation Management organized by the National Forensic Science Training Institute, Philippine Public Safety College, Tagaytay City, Cavite, Philippines, 3 May 2017.
- “Life is an Experiment.” Workshop with the theme “A Day with a Scientist” organized by the Philippine Science High School Ilocos region PSHS campus, San Ildefonso, Ilocos Sur, Philippines, 18 April 2017.
- “Advances in Forensic DNA Technology.” 4<sup>th</sup> Forensic Science Symposium with the theme “Forensic Science at the Frontier of National Issues.” El Cielito Hotel, Baguio City, Philippines, 8 April 2017.



- “DNA Forensic Science as a Career.” First Philippines-Thailand Science, Math and Technology Fair. Philippine Science High School, Eastern Visayas Campus, Palo, Leyte, Philippines, 28 February 2017.
- “Applications of Forensic DNA Technology in Criminal Investigations” Two-day Workshop for faculty and students of the University of the Cordillera, Natural Sciences Research Institute, 25 November 2016.
- “DNA as a Catalyst for Change.” National Biotechnology Week. Philippine Science High School, Quezon City, Philippines, 22 November 2016.
- “DNA Forensics as a Career.” NAST Symposium for the Youth with National Scientists. Ocean 101 Beach Resort, Siargao Island, Surigao del Norte, Philippines, 18 November 2016.
- “DNA Forensics as a Platform for Change.” Lecture Series by the National Scientists with the theme “Trailblazers in Science.” Ocean 101 Beach Resort, Siargao Island, Surigao del Norte, Philippines, 17 November 2016.
- “Researcher's Perspective: Emerging Issues in Forensic Genomics.” 2<sup>nd</sup> Assembly of the Philippine Health Research Ethics Network (PHREN) with the theme “Controversies and Challenges in Health Research Ethics.” UNILAB Bayanihan Centre, Mandaluyong City, Philippines, 25 October 2016.
- “Catalysing Change with DNA.” Symposium for the Youth organized by the National Academy of Sciences for the National Science and Technology Week. Philippine Nuclear Research Institute, Quezon City, Philippines, 26 July 2016.
- “DNA Forensics in the Philippines” for the students of the Texas A & M International University (TAMIU) Natural Sciences Research Institute, 14 June 2016.
- “Life is an Experiment: The World as My Laboratory.” Symposium for the Youth organized by the National Academy of Sciences. Widus Hotel, Clark, Pampanga, 27 April 2016.
- “DNA Forensics in the Philippines.” Lecture Series by National Scientists with the theme “Trailblazers in Science” organized by the National Academy of Sciences. King’s Royale Hotel and Resort, Bacoor, Pampanga, Philippines, 26 April 2016.
- “DNA as a Catalyst of Change.” 3<sup>rd</sup> Forensic Science Symposium organized by the DNA Analysis Laboratory of the Natural Sciences Research Institute, Institute of Biology, and the Philippine Genome Centre. SEAMEO Innotech, Quezon City, Philippines, 17 May 2016.
- “Impact of DNA Evidence in the Philippine Criminal Justice.” MCLE Lecture series organized by the Chan Robles LawNet Inc. Megatrade Hall, SM Megamall, Mandaluyong City, Philippines, 23 January 2016.
- “Life is an Experiment: The World as My Laboratory.” Research Fair 2016: Youth Science Convention organized by the Academic League of Chemical Engineering Students. National Institute of Science Mathematics Education Auditorium, UP Diliman, Philippines, 22 January 2016.
- “Impact of DNA Evidence in the Philippine Criminal Justice.” MCLE Lecture series organized by the Chan Robles LawNet Inc. Megatrade Hall, SM Megamall, Mandaluyong City, Philippines, 26 November 2015.
- “Ethical Issues in Genetic Testing.” 7<sup>th</sup> Asian Forensic Sciences Network Annual Meeting and Symposium. Pullman Hotel, Kuala Lumpur, Malaysia, 16-18 November 2015.
- “DNA Forensic Research in the Philippines.” Service Seminar of the Faculty: Biology Division. Philomene Labrecque Hall, San Pedro College, Davao City, Philippines, 27 October 2015.

- “Ethical Dilemmas in Genetic Research- A Panel Discussion.” 12<sup>th</sup> Annual Convention of the Philippine Council for Quality Assurance in Clinical Laboratories. Crowne Plaza Galleria Manila, Pasig City, Philippines, 14 October 2015.
- “Ethical Issues in Genetic Research.” Training Workshop on Principles of Health Research Ethics and Good Clinical Practice organized by the National Institutes of Health, University of the Philippines (UPM-NIH) and the Forum for Ethical Review Committees in Asia and the Western Pacific (FERCAP). UP Manila, Philippines, 27 August 2015.
- “Life is an Experiment: The World as My Laboratory” during the National Science and Biotechnology Week organized by the Department of Science and Technology. SM Mall of Asia, Pasay City, Philippines, 27 July 2015.
- “Issues in Collection of DNA Samples as Part of a Registry” during the Training Workshop on Registries: In “The Evaluation of Patient Outcomes” organized by the University of the Philippines Manila - National Institutes of Health (UPM-NIH) and the Forum for Ethical Review Committees in Asia and the Western Pacific (FERCAP). Makati Diamond Residences, Makati City, Philippines, 2 July 2015.
- “Forensic DNA Analysis in Criminal Investigations and Disaster Victim Identification” during “*Unang Ayab-ab: Forensic Seminar-Workshop Training on Mass Disaster Management*” of the International Sanrokan Conference on Bio-Cultural and Environmental Studies. Tablas Island, Romblon, Philippines, 12 May 2015.
- “Genetics and Social Dialogue” during the Asia Society Lectures entitled “It's All Relative: Discovering the Filipino Identity using Forensic Science.” Asian Institute of Management, Makati City, Philippines, 15 April 2015.
- “Ethical Role of a Researcher/Investigator” during the Training Workshop on Ethics Review on Academic Research with Human Subjects organized by the National Institutes of Health. UP Manila, Philippines, 13 April 2015.
- “Moving Forward with Forensic Science in the Philippines” during the 2<sup>nd</sup> Forensic Science Symposium organized by the Institute of Biology. UP Diliman, Quezon City, Philippines, 7 April 2015.
- “Use of DNA in Human Identification.” Forensic Conference for Human Rights and Justice organized by the Asian Federation against Disappearance. Bayview Hotel, Manila, Philippines, 22 July 2014.
- “The Utility of DNA from Tooth in Human Identification.” 105<sup>th</sup> Annual Convention of the Philippine Dental Association. SMX Convention Centre, Pasay City, Philippines, 12 May 2014.
- “The Potential Contribution of DNA Technology in the Effort towards National Recovery after a Disaster.” 32<sup>nd</sup> Anniversary of the Philippine Health Council for Health Research and Development with the theme “The Filipino Crises Resilience: Connecting Health R&D and Emergency Health Management.” Makati Shangri La Hotel, Makati City, Philippines, 14 March 2014.
- “The Contribution of DNA in the Fight against Child Trafficking” organized by Terre des Hommes. Asia Tune Hotel, Phnom Penh, Cambodia, 6-7 March 2014.
- “The Double Helix as a Catalyst for Change.” The National Research Council of the Philippines (Medical/Health Division). UP Manila, Philippines, 11 February 2014.

- “The many faces of DNA Forensics.” 4<sup>th</sup> Annual Convention of the Philippine Association of Career Scientists. Traders Hotel, Manila, Philippines, 20 November 2013.
- “Research as the Foundation for the Advancement of Medical Science.” 7<sup>th</sup> Professor Alendry P. Caviles, Jr. Memorial Lecture during the 43<sup>rd</sup> Annual Convention of the Philippine Society of Haematology and Blood Transfusion. Crowne Plaza Manila Galleria Hotel, Pasig City, Philippines, 10 September 2013.
- “The Innocence Project Philippines Network.” Forum on Human Rights and Judicial Reform organized by the Asia 21 Young Leaders Initiative (Philippines). Asian Institute of Management, Makati City, Philippines, 2 May 2013.
- “The Double Helix in Court: DNA as Catalyst for Change” during the 30<sup>th</sup> Anniversary of the Natural Sciences Research Institute. UP Diliman, Quezon City, Philippines, 27 March 2013.
- “Forensic DNA Technology: A Powerful Tool for Judicial Reform” during the 3<sup>rd</sup> OVCRD Colloquium. National Institute of Physics, UP Diliman, Quezon City, Philippines, 21 January 2013.
- “Court testimony: bridging the gap between science and law” during the 4<sup>th</sup> Annual Meeting of the Asian Forensic Science Network. Rama Gardens Hotel, Bangkok, Thailand, 26-28 November 2012.
- “DNA Prokids: How can DNA stop child trafficking?” during the Consultative Meeting of Experts and Practitioners with the theme "Trends, Strategies, and Approaches in Addressing Child Trafficking and Children on the Move," organized by Terre des Hommes. Vic3Hotel Bangkok, Thailand, 9-10 November 2012.
- “DNA Forensics for the Protection of Children” during the DNA Lecture series at the University of Capetown and the University of Kwazulu-Natal in South Africa, on October 22 and 23, 2012, respectively. The lecture series was organized by InqababioTech and the DNA Project of South Africa.
- “Informed Consent in Forensic Research” during the Colloquium on Informed Consent in Genomic Research, organized by the Philippine Genome Centre. Natural Sciences Research Institute, UP Diliman, Quezon City, Philippines, 12 October 2012.
- Two lectures entitled “Cracking the Code” and “Collection of Biological Samples for DNA testing” during the Basic Death Investigation Course organized by the Department of Pathology, UP College of Medicine, and the Asia Foundation. UP Manila, Philippines, 16 August 2012.
- “Program on Forensics and Ethnicity” organized by the Philippine Genome Centre. UP Diliman, Quezon City, Philippines, 28 May 2012.
- “Disaster Victim Identification on Ground Zero” organized by the Biotechnology Coalition of the Philippines. Traders Hotel, Manila, Philippines, 17-18 May 2012.
- “The Use of DNA in Investigating TIP cases in the Philippines” organized by the Department of Justice's Interagency Coalition Against Trafficking (IACAT). Marco Hotel, Cagayan de Oro City, Philippines, 20 April 2012.
- “DNA in Mass Disaster Victim Identification” organized by the College of Criminology of Cagayan de Oro City. Cagayan de Oro City, Philippines, 21 January 2012.
- “Heterogeneity of Filipino populations: Preliminary snapshots from different genetic systems” during the 22<sup>nd</sup> Meeting of the Federation of Asian and Oceanian Biochemists and Molecular Biologists. Biopolis, Singapore, 5-7 October 2011.

“Use of DNA in Investigating Trafficking in Person Cases in the Philippines” during the Best Practices in Handling Trafficking in Persons Cases Seminar organized by the Interagency Council Against Trafficking, Department of Justice. Costa Bella Tropical Beach Resort, Lapu-Lapu City, Philippines, 29-30 September 2011.

Two lectures entitled “Forensic DNA Testing for the Medical Profession” and “Collection and Handling of Evidence” during the Basic Death Investigation Course organized by the Department of Pathology, UP College of Medicine, and the Asia Foundation. UP Manila, Philippines, 18-22 July 2011.

“Forensic Science and Medicine as Tools to Address Gender-Based Violence.” Training on DNA Forensics and the Use of the Sexual Assault Investigation Kit organized by the Development Academy of the Philippines. Almont Inland Hotel, Butuan City, Agusan del Norte, Philippines, 2-3 June 2011.

“Use of DNA Testing for the Protection of the Rights of Women and Children.” Training on Addressing Gender-Based Violence for the Security Sector of CARAGA organized by the Development Academy of the Philippines. Almont Inland Hotel, Butuan City, Agusan del Norte, Philippines, 3-5 May 2011.

“Gathering Evidence.” Training on Addressing Gender-Based Violence for the Medical/Health Sector of CARAGA organized by the Development Academy of the Philippines. Almont Inland Hotel, Butuan City, Agusan del Norte, Philippines, 27-29 April 2011.

“The Biologist as a Researcher.” Expert’s Talk: Forensic Science. Science and Technology Department. Claret School of Quezon City, Philippines, 23 February 2011.

“Advances in Molecular Analysis for Forensic Applications.” Faculty Development Seminar, University of Perpetual Help System DALTA, Las Pinas City, Philippines, 4 February 2011.

“DNA Detectives: Science and Crime in the Philippines.” SARS and Interscholastic Congress with the theme "Science and Technology: Our Life, Our Future" organized by the Society for the Advancement of Research in Science and Technology. Philippine Science High school, Philippines, 26 January 2011.

“Advances in Molecular Analysis for Forensic Applications.” 11<sup>th</sup> National Genetics Symposium of the Philippine Society for the Advancement of Genetics Inc. with the theme "Genetics Education: Innovations in Teaching and Learning Genetics." Cavite State University, Philippines, 18-20 November 2010.

“*Forensic DNA para sa Proteksiyon ng Karapatang Pantao*”. Workshop for Paralegals organized by EnGender Rights. Quezon City Hall, Philippines, 28 October 2010.

Monitoring Laboratory Quality through DNA Testing. Philippine Council for Quality Assurance in Clinical Laboratories (PCQACL) during the 7<sup>th</sup> Annual Convention on “Quality Management: Raising the Bar in Laboratory Medicine.” Crowne Plaza Galleria Manila, Ortigas Avenue, Pasig City, Philippines, 29 September 2010.

“DNA Testing for Human Identification.” Philippine Dental Association Quezon Province Dental Chapter during the 4<sup>th</sup> Quarterly Seminar on “Updates on Forensic Odontology.” Queen Margarett Hotel, Lucena City, Quezon, Philippines, 26 September 2010.

“Genomics and DNA Databanking” with the theme Third World Network on “Understanding BANG.” Bahay Kalinaw, UP Diliman, Quezon City, Philippines, 23 September 2010.

“Bringing Our Soldiers Back Home through DNA Technology.” Scientific Seminar and Workshop with the theme “Updates on Forensic Odontology” for the Armed Forces of the

- Philippines (AFP) Dental Service delegates and the Philippine Dental Association. Officers' Club, Clarke, Pampanga, Philippines, 21 September 2010.
- "Insights of a Female Forensic Scientist in the Philippines" during the For Women in Science Symposium and Academic Launch of FWIS National Fellowships - Philippines. UP College of Science, Diliman, Quezon City, Philippines, 20 September 2010.
- "DNA Testing for Paternity Determinations." Philippine Dental Association Batangas Province Dental Chapter during the 4<sup>th</sup> Quarterly Seminar on "Updates on Forensic Odontology." St Frances Cabrini Medical Centre, Santo Tomas, Batangas, Philippines, 31 August 2010.
- "Bringing Our Soldiers Back Home through DNA Technology." Scientific Seminar and Workshop: Updates on Forensic Odontology for the Armed Forces of the Philippines (AFP) Dental Service delegates and the Philippine Dental Association. Camp Aguinaldo, Quezon City, Philippines, 27 August 2010.
- "DNA Testing as a Tool for Paternal Exclusion." 27<sup>th</sup> Philippine Blood Coordinating Council Annual Convention with the theme "From Vein to Vein: Quality Steps in Every Way." EDSA Shangri-La, Mandaluyong City, Philippines, 20 August 2010.
- "DNA and the Rights of Women and Children." Workshop on the Multi-Sectoral Programme on Violence Against Women organized by the Women and Child Protection Unit of the East Avenue Medical Centre. UP Diliman, Quezon City, Philippines, 8 July 2010.
- "Metes and Bounds of DNA Profiling." 20<sup>th</sup> Annual National Convention of the Philippine Criminologists Association of the Philippines with the theme of "Criminologists and Forensic Sciences: Catapulting Conduits in the Deterrence and Solving Crimes." Waterfront Hotel, Davao City, Philippines, 30 April- 1 May 2010.
- "Forensic Science in the Philippines". 5<sup>th</sup> Annual Genetics Camp organized by the UP Los Baños Genetics Society. Boy Scouts of the Philippines camp, Laguna, Philippines, 24 January 2010.
- "Forensic Science as a Career." Career Fair organized by the Philippine Science High School. PSHS Main Campus, Quezon City, Philippines, 9 January 2010.
- "Background on the Science of Forensic DNA Testing." Training Workshop for Police Officers of the Women's Desk, Philippine National Police, organized by the Philippine Council for Advanced Science and Technology Research Development. Natural Sciences Research Institute, University of the Philippines, Philippines, 25 November 2009.
- "The Science of Forensic DNA Testing." Training Workshop for Police Officers, Philippine National Police organized by the Philippine Council for Advanced Science and Technology Research Development. Commission on Audit Training Centre, Tacloban, Leyte, Philippines, 29 September 2009.
- "Background on the Science of Forensic DNA Testing." Training Workshop for Scene of the Crime Officers of the Philippine National Police (PNP-SOCO) and Medical Professionals organized by the ARMM Unit of the Department of Science and Technology (DOST-ARMM). The Royal Mandaya Hotel, Davao City, Philippines, 11-12 June 2009.
- "The Science behind DNA Evidence." Seminar for Cebu Lawyers organized by the Lepiten and Bojos Law Offices. IBP Building, Cebu City, Philippines, 30 March 2009.
- "Updates of Forensics in Medicine." Scientific Session and Meeting of Cluster III (Medical, Pharmaceutical, and Chemical). National Institute of Health, Manila, Philippines, 9 February 2009.

- “Forensic DNA Testing in the Philippines”. 44<sup>th</sup> Annual Conference of the Philippine Association of Medical Technologists with the theme of “Road-mapping the Future of Medical Technology.” SM Mall of Asia, Pasay City, Philippines, 11 December 2008.
- “DNA in the Courtroom.” Public Attorney's Office Advanced Training/Workshop in Forensic Medicine and Science. Garden Orchid Hotel, Zamboanga City, Philippines, 10 December 2008.
- “DNA in the Courtroom.” Public Attorney's Office Advanced Training/Workshop in Forensic Medicine and Science. Sarabia Manor Hotel, Iloilo City, Philippines, 3 December 2008.
- “DNA Forensic Training Workshop for Police Officers.” National Science and Technology Week with the theme of “Making Science Work for You.” Natural Sciences Research Institute, UP Diliman, Quezon City, Philippines, 27 November 2008.
- “An Update on Forensic DNA Testing in the Philippines”. International DNA Symposium: Towards International Quality. Faculty of Medicine, Ramathibodi Hospital, Mahidol University. Pullman Resort and Hotel, Bangkok, Thailand, 10-11 November 2008.
- “Forensic Sciences in the Classroom.” International Conference on Science and Mathematics Education with the theme "Education: Innovations in Action." National Institute of Science and Mathematics Education, UP Diliman, Quezon City, Philippines, 27-29 October 2008.
- “DNA evidence in routine examinations of child abuse cases.” UP PGH Women’s Desk. Natural Sciences Research Institute, UP Diliman, Quezon City, Philippines, 15 September 2008.
- “CSI Pinas: Past, Present and Future”. UP Los Baños GeneSoc Bio 30 Symposium Week. Physical Science Institute, UP Los Baños, Laguna, Philippines, 1 September 2008.
- “Leading through Science.” Anvil Talks for Science Teachers. Booksellers, Robinsons Galleria, Pasig City, Philippines, 26 July 2008.
- “Background on DNA Technology and Forensic Science.” Information Campaign on Forensic DNA Technology. Philippine Council for Advanced Science and Technology Research and Development and the Department of Science and Technology. Grand Astoria Hotel, Zamboanga City, Philippines, 19 June 2008.
- “An Overview of the Research and Extension Work at the UPD-NSRI DNA Analysis Laboratory.” Surigaonon Heritage Centre. Hotel Taviera, Surigao City, Philippines, 8 April 2008.
- “Forensic DNA Analysis in the Philippines”. Joint 7<sup>th</sup> Human Genome Organization (HUGO) – Pacific Meeting and the 8<sup>th</sup> Asia Pacific Conference on Human Genetics, with the theme “Genomics for Better Health in the Asia Pacific.” Shangri-la Mactan Hotel, Cebu City, Philippines, 2-5 April 2008.
- “Career as a DNA Scientist.” Career Talk for Sophomores. St. Paul’s College, Pasig City, Philippines, 19 February 2008.
- “Leading through Science.” UP Sociology class. UP Diliman, Quezon City, Philippines, 1 February 2008.
- “Leadership through Science.” Leadership seminar entitled “Youth, Hope of the New Millennium.” Meycauayan College, Annex Gymnasium, Meycauayan, Bulacan, Philippines, 25 January 2008.
- “Revolutionizing the Philippine Criminal Justice System Using DNA Evidence.” 10<sup>th</sup> Eurasia Conference on Chemical Sciences and UP Chemical Society Education Fair on Forensic

- Science. Philippine International Convention Centre, Pasay City, Philippines, 9 January 2008.
- “Impact of DNA evidence in the Philippine Criminal Justice System.” General Meeting of the Academy of Sciences for the Developing World. Trieste, Italy, 13-14 November 2007.
- “DNA evidence in Criminal Courts in the Philippines”. International Conference on Testing Genes, Profiling DNA: Global Governance of Genomics: Hopes, Duties, and Security. Mendel Museum, Brno, Czech Republic, 1-3 November 2007.
- “Forensic Biotechnology: Teaching CSI in our classrooms.” Commission on Higher Education-Philippine Society for Biochemistry and Molecular Biology Seminar-Workshop on Faculty Upgrading for Chemistry in Higher Education: Course for Molecular Biochemistry. Natural Sciences Research Institute, UP Diliman, Quezon City, Philippines, 23 October 2007.
- “Utility of DNA evidence in Evaluating the Presence of Male DNA in Child Victims of Child Sexual Abuse.” VII<sup>th</sup> Asian Regional Conference of the International Society for Prevention of Child Abuse and Neglect with the theme “*Ako para sa Bata!*”. Sofitel Philippine Plaza, Manila, Philippines, 23-26 September 2007.
- “In Love with Science.” Anvil Talks for Science Teachers. Powerbooks, Greenbelt 3, Makati City, Philippines, 15 September 2007.
- “Emerging Science in Genetic Testing.” Centennial Celebration of the Centro Escolar University Nutrition and Hospitality Management. Centro Escolar, Manila, Philippines, 10 September 2007.
- “Background on DNA Technology and Forensic Science.” Information Campaign on Forensic DNA Technology for Trial Lawyers in the Philippines. Philippine Council for Advanced Science and Technology Research and Development and the Department of Science and Technology. Davao City, Philippines, 23 August 2007.
- “Technical Writing for Health Journals.” Forum on Strengthening Health Journal Publishing in the Philippines, Philippine National Health Research System, and the Philippine Psychiatric Association Inc. Advanced Science and Technology Institute, Quezon City, Philippines, 17 August 2007.
- “Basics of DNA Forensic Evidence: Understanding its Nature, Limits, and Possibilities in Investigations” organized by the Alternative Law Groups. Ateneo de Manila University, Quezon City, Philippines, 13 April 2007.
- “DNA as Evidence.” Arellano Law Foundation, Century Park Sheraton Hotel, Manila, Philippines, 11 April 2007.
- “DNA as Evidence.” Arellano Law Foundation, Villaraza and Angangco Law Offices, Makati City, Philippines, 24 March 2007.
- “Forensic Bio-Detectives.” Kapisanang Kimika ng Pilipinas (KKP)- Organic Chemistry Teachers Association (OCTA) Symposium with the theme “Scientists as Super Sleuths.” Ateneo de Manila y, Quezon City, Philippines, 21 February 2007.
- “Post-conviction DNA testing.” UP Law Centre, Diliman, Quezon City, Philippines, 20 January 2007.
- “Biotech in Forensics.” MBB1 Biotech Symposium. Marine Science Institute, Quezon City, Philippines, 17 January 2007.
- “Paternity Testing Franchise.” 3<sup>rd</sup> Philippine Biotechnology Summit. Ateneo Business School, Makati City, Philippines, 12 January 2007.

- "Establishing the scientific framework of forensic DNA technology in the Philippines". 33<sup>rd</sup> Philippine Society in Biotechnology and Molecular Biology Annual Convention with the theme "Biotech Solutions for Health." West Visayas State University, Iloilo City, Philippines, 7-8 December 2006.
- "Background on DNA Technology and Forensic Science." Information Campaign on Forensic DNA Technology for Trial Lawyers in the Philippines, Philippine Council for Advanced Science and Technology Research and Development, and the Department of Science and Technology. Grand Convention Centre, Cebu City, Philippines, 24 October 2006.
- "Background on DNA Technology and Forensic Sciences." Information Campaign on Forensic DNA Technology for Trial Lawyers in the Philippines, Philippine Council for Advanced Science and Technology Research and Development, and the Department of Science and Technology. Hotel Supreme, Baguio City, Philippines, 17 October 2006.
- "Forensics- Sleuthing with Biotechnology." Workshop for Biotechnology teachers of the Science and Technology Oriented High Schools, Bureau of Secondary Education. Marikina City, Philippines, 19 September 2006.
- "M.A.D. in the Philippines: Life as a DNA Forensic Scientist." Career talk for Philippine Science High School Students. PSHS campus, North Triangle, Quezon City, Philippines, 5 September 2006.
- "Careers in Forensics." Alternative Class Learning Experience. UP Anthropology Society, UP Diliman, Quezon City, Philippines, 17 August 2006.
- "Prospects of a Career in Forensics." Career Planning Lecture for High School Students, Philippine Association for the Advancement of Science, Inc. University of Santo Tomas, España, Manila, Philippines, 27 July 2006.
- "Evidence Management System: A Project Overview, Workshop on Incorporating DNA Evidence in Routine Examinations of Child Victims of Sexual Abuse," Panibagong Paraan - Development Innovation Marketplace with the theme of "Making Services Work for the Poor." Natural Sciences Research Institute, UP Diliman, Quezon City, Philippines, 5 July 2006.
- "DNA evidence in Paternity Disputes." Annual Meeting of Women Scientists of the Philippines with the theme "Modern Biotech Applications in the Philippines." Philippine Coconut Authority, 31 March 2006.
- "DNA evidence in Paternity Disputes." Diokno Law Centre. Ateneo Professional Schools, Rockwell campus, Makati City, Philippines, 6 March 2006.
- "The Impact of DNA Evidence in Addressing Human Rights Issues in the Philippines," in Stetson University College of Law, Tampa Florida USA, 23 January 2006.
- "Establishing the Scientific Framework of Forensic DNA Technology in the Philippines." 3<sup>rd</sup> Meeting of the Third World Organization of Women Scientists with the theme "Women's Impact on Science and Technology." Bangalore, India, 21-26 November 2005.
- "Behind the Scenes of CSI: The Science of Forensic DNA Technology." Zonta Club of Manila meeting. Manila Peninsula Hotel, Manila, Philippines, 18 October 2005.
- "Molecular Biology - DNA forensics. Values Education: A Case Study" during the Humanities Week of the Philippine Science High School with the theme "*Lahi at Lipi: Salalayan ng Pambansang Pagkakakilanlan ating Payabungin at Payamanin*". PSHS campus, North Triangle, Diliman, Quezon City, Philippines, 1 September 2005.



- “Post-affirmation DNA test in the Philippines: A Case Study.” 17<sup>th</sup> Conference of the International Association of Forensic Sciences with the theme “Justice through Science,” Hong Kong, China, 21-26 August 2005.
- “Basic Science of Forensic DNA Technology.” Continuing Education for the Judiciary and Legal Professionals in the Forensic Applications of DNA Analysis. Funded by the British Embassy, Manila. National Institute of Science Math Education and Development, UP Diliman, Quezon City, Philippines, 11-18 March 2005.
- “Forensic DNA Technology in the Philippines.” 1<sup>st</sup> Philippine Biotechnology Summit, Hybridigm Consulting, Mapua Institute of Technology, Makati City, Philippines, 25 January 2005.
- “Careers in DNA Forensics in the Philippines.” St Scholastica’s Academy, Marikina City, Philippines, 19 January 2005.
- “Forensic DNA Technology in the Philippines.” Science Legislative Forum on the Human Genome for the Members of the House of Representatives organized by the National Academy of Science and Technology. Sulo Hotel, Quezon City, Philippines, 7 December 2004.
- “Use of DNA Evidence in Criminal Trials and Implications on Capital Appeal Cases.” Lecture series organized by the Free Legal Assistance Group. Great Eastern Hotel, Quezon City, Philippines, 26 November 2004.
- “Utility of DNA in Investigating Rape Cases: The CPU: DNA Lab Manual.” 3<sup>rd</sup> Annual Conference of the CPU-Net, with the theme “CSI Philippines: Investigating Child Fatal Abuse.” Manila Traders Hotel, Manila, Philippines, 8-9 November 2004.
- “Presenting DNA as Evidence”. MCLE Convention of the Integrated Bar of the Philippines Northern Luzon Chapter with theme “*Ipagtanggol ang kalikasan para sa kinabukasan*”. St Louis College, San Fernando, La Union, Philippines, 28 February 2004.
- “Forensic DNA in Courts.” MCLE Seminar organized by the Office of the City Legal Prosecutor with the theme “Lawyers, the Firmest Pillar of a Strong Republic.” City State Tower Hotel, Manila, Philippines, 27-29 February 2004.
- “DNA as Evidence.” Lecture series organized by the Philippine Judicial Academy. Supreme Court, Manila, Philippines, 11 December 2003.
- “Forensic DNA Analysis.” Integrated Bar of the Philippines (Bicol chapter) with the theme of “IBP: Protecting the Environment, Protecting Life.” Regent Hotel, Naga City, Camarines Sur, Philippines, 4-7 December 2003.
- “Genetic Variations in the Philippine population.” 25<sup>th</sup> Annual Convention of the Philippine Mutagen Society with the theme “DNA and the Environment.” College of Science, University of the Philippines, Diliman, Quezon City, Philippines, 22 November 2003.
- “Presentation of DNA Analysis as Evidence.” MCLE Lecture series organized by the Legal Management Council of the Philippines. Manila Polo Club, Makati City, Philippines, 18 November 2003.
- “Presentation of DNA Analysis as Evidence.” MCLE Lecture Series organized by the IBP Caloocan-Malabon-Navotas Chapter. Caloocan High School, Caloocan City, Philippines, 8 November 2003.

- “DNA in Forensic Science.” Chem 240 Class Seminar with the theme “DNA in the 50<sup>th</sup> Year: Current Trends and Applications in DNA Technology” organized by the Institute of Chemistry. UP Diliman, Quezon City, Philippines, 15 August 2003.
- “The Human Genome Project and Forensics.” Lectures series organized by the National Academy of Science and Technology. House of Representatives. Batasan Complex, Quezon City, Philippines, 3 June 2003.
- “Presenting DNA Evidence.” National Convention of the Integrated Bar of the Philippines with the theme “IBP- Raising the Bar of Competence and Integrity.” PICC, Pasay City, Philippines, 21-24 May 2003.
- “What is in a Match? Estimating Population Genetic Diversity”. Symposium on “Modelling Living and Non-living Systems: Quantitative and Analytical Tools for Research and Development” organized by the College of Science. UP Diliman, Quezon City, Philippines, 26 March 2003.
- “DNA Forensics and the Human Genome Project.” Roundtable discussion on “Human Genome: Promises and Problems” organized by the National Academy of Science and Technology. Manila Trader’s Hotel, Manila, Philippines, 13 March 2003.
- “Research and Forensic Casework in the Philippines.” Symposium on "Forensic DNA Analysis and the Law" organized by the Natural Sciences Research Institute. UP Diliman, Quezon City, Philippines, 5 March 2003.
- “*Forensic DNA Analysis: Ano yon?*” 6<sup>th</sup> Youth Math, Science and Technology Festival –Science and Math in Everyday Life. Philippine Science High School, North Triangle, Diliman, Quezon City, Philippines, 6 February 2003.
- “State of the Art in Biotechnology.” PCASTRD Information Campaign for Region 3. SACOP, San Fernando Pampanga, Philippines, 19 November 2002
- “Integrating DNA Evidence in the Philippine Criminal Justice System.” Institute of Judicial Administration, UP Law Centre, Diliman, Quezon City, Philippines, 15 November 2002
- “To catch or not to catch: Crime and the Philippine Economy.” PUP Research Festival Y2K2 of the Polytechnic University of the Philippines. Sta. Mesa, Manila, Philippines, 19-20 September 2002
- “Implications of DNA testing in civil and criminal cases”. Ateneo Law School, Rockwell campus, Makati City, Philippines, 16 August 2002
- “Presentation of DNA analysis as Evidence.” Seminar on Trial and Pre-trial Skills organized by the Integrated Bar of the Philippines- Makati City Chapter. Makati City, Philippines, 9 August 2002
- “What Lawyers should know about DNA Evidence.” 2<sup>nd</sup> Lawyers Workshop on Capital Punishment in the Philippines. Anti-Death Penalty Task Force. Antipolo City, Rizal, Philippines, 26-27 July 2002
- “Addressing Social Issues using Forensic DNA Technology.” National Science and Technology Week. Philippine Volcanology Institute, Diliman, Quezon City, Philippines, 11 July 2002
- “Post-conviction DNA testing for Death Row prisoners.” Research Committee, Philippine Judicial Academy. Supreme Court, Manila, Philippines, 14 May 2002.
- “State of the Art in Biotechnology”. Workshop for the Visayas and Mindanao DOST network. Mindanao State University-Iligan Institute of Technology, Iligan City, Lanao del Norte, Philippines, 25-26 April 2002.

- “Forensic DNA analysis in Child Abuse Cases.” Inaugural Conference of the Child Protection Unit Network with the theme "Care Continuum in Child Abuse and Neglect." Pan Pacific Hotel, Manila, Philippines, 11-12 April 2002
- “The Human Genome Project and its Applications.” Alternative Class Learning Experience, UP International Studies. Institute of Biology, UP Diliman, Quezon City, Philippines, 18 January 2002
- “Implications and Limitations of DNA Testing in Civil and Criminal Cases.” Institute of Law and Medicine, UP College of Law, UP Diliman, Quezon City, Philippines, 9 November 2001.
- “DNA Testing in Civil and Criminal Cases.” Free Legal Assistance Group Anti-Death Penalty Campaign, Antipolo City, Philippines, 28 July 2001.
- “Forensic DNA testing in the Philippines”. 13<sup>th</sup> Annual Meeting of the Professional Criminologists Association of the Philippines, Davao City, Philippines, 25 April 2001.
- “Forensic DNA Analysis: The Science of DNA Diversity.” UP Anthropology Forum. University of the Philippines, Diliman, Quezon City, Philippines, February 2001.
- “The Forensic Flavour of DNA Analysis.” UP Visayas College Scientific Forum. University of the Philippines, Cebu, Philippines, 5 February 2001.
- “DNA Forensics: Marriage of Scientific Theory and Application” delivered as the Lorenzo Rodriguez Memorial Lecture. University of Santo Tomas, España, Manila, Philippines, 21 January 2001.
- “Applications of forensic DNA testing in the Philippines”. National Symposium on “Forensic DNA Analysis in the Administration of Justice” organized by the DNA Analysis Laboratory, Natural Sciences Research Institute, and the UP Law Centre, Institute of Judicial Administration. Malcolm Theatre, UP College of Law, UP Diliman, Quezon City, Philippines, 1 December 2000.
- “Biotechnological and Medical Applications of the Human Genome Project.” Science Information Forum on the Human Genome. National Academy of Science and Technology. Traders Hotel, Manila, Philippines, 11 September 2000.
- “Biotechnological and Medical Applications of the Human Genome Project. College of Science Forum I: Human Genome Project. AV Room, Marine Science Institute, UP Diliman, Quezon City, Philippines, 8 September 2000.
- “Applications of the genetic research database of the Filipino population in forensic cases. 5<sup>th</sup> NSRI Symposium "Research in the Natural Sciences: Challenges and Opportunities." Natural Sciences Research Institute, UP Diliman, Quezon City, Philippines, 28-29 February 2000.
- “Philippine genetic databases at seven microsatellite loci for DNA-based paternity testing.” NIMBB-DOST-JSPS Symposium with the theme on “Current trends in Molecular Biology. Institute of Small-Scale Industries, UP Diliman, Quezon City, Philippines, 27-28 January 2000.

## ■ TECHNICAL CONSULTATIONS

### ● Reviewer for Scientific Journals

Member of the Editorial Board, Forensic Science International: Synergy, July 2019, to present.

Reviewer for Frontier in Genetics (2022)

Reviewer for Annals of Human Biology (2021, 2020, and 2016)

Reviewer for the Egyptian Journal of Forensic Science (2022, 2020, and 2019)  
Reviewer for Forensic Science International: Genetics (2022, 2018, and 2017)  
Reviewer for Scientific Reports (2020)  
Reviewer for Science and Justice (2018)  
Reviewer for the Philippine Journal of Science (2007)

- **Membership in UP Committees**

Project Leader of the UP Diliman Research Ethics Committee (September 2022 to present)  
Member, UP System Human Biobanking Committee, 15 May 2021 to 14 May 2022  
Alternate Panel Member UP Manila Research Ethics Board 4 April 2021 to present.  
Elected to the Research Welfare Council of the University of the Philippines Diliman to serve as the highest-ranking university researcher mandated to review and propose research and extension work policies within the university, 28 August 2020 to September 2024  
Member, REPS Steering Committee, organized by the Office of the Vice President for Academic Affairs. UP Diliman, Quezon City, July to December 2014  
Member, Committee on UP Scientific Productivity System (SPS) and DOST Scientific Career System (SCS) Harmonization organized by the Office of the Vice President for Academic Affairs. UP Diliman, Quezon City, July to December 2013

- **Membership in DOST Committees**

Member, Advisory Board of the Transactions NAST PHL from June 2022 to June 2025  
Member of the Technical Committee reviewing the policies governing the Scientific Career System (2019 to present) before submission to the National Academy of Science and Technology  
Resource Person for the Ad hoc Committee of the Philippine Health Research Ethics Board during the drafting of the National Ethical Guidelines for Health and Health-Related Research 2017

- **Membership in Conference/ Webinar Organizing Committees**

Member of the Organizing Committee for webinar entitled “Focusing on Philippine Biodiversity: The Philippine BioGenome Project”, organized by the Program on Biodiversity, Ethnicity and Forensics, Philippine Genome Centre, 29 April 2022  
Member of the Abstract Review Committee for the 32<sup>nd</sup> International Symposium on Human Identification, organized by Promega Corporation, July 2021, for the conference in September 2021  
Chair, Organizing Committee of Online Lecture Series on Forensics and Human Rights Investigations: Perspectives and Practical Applications, 3-4 June 2021 for the conference in September 2021  
Member of the Technical Committee of the 1<sup>st</sup> Forum of the Philippine Genome Centre Fora Series of 2020, 19 December 2019 to 31 January 2020  
Member of the Abstract Review Committee for the 30<sup>th</sup> International Symposium on Human Identification, organized by Promega Corporation, July 2019, for the conference in September 2019

Member, Organizing Committee of the Policy Forum on “Drug Issues, Different Perspectives” held at the University of the Philippines Diliman, Quezon City, 5-6 May 2017

Technical Consultant for the 5<sup>th</sup> Forensic Science Symposium with the theme “ForenSeeks: Seeking Solution through Forensics,” 6 April 2019, held at the Institute of Biology, UP Diliman

Technical Consultant for the Organization of Symposium on "Forensic Science at the Frontier of National Issues" organized by the students of BIOL397, Institute of Biological Sciences, the Natural Sciences Research Institute, UP Diliman, El Cielito Hotel, Baguio City, 8 April 2017

Technical Consultant for the Organization of the Symposium on "DNA as a Catalyst of Change" organized by the students of BIOL397, Institute of Biological Sciences, the Natural Sciences Research Institute, and the Philippine Genome Centre. SEAMEO Innotech, Quezon City, 16-17 May 2016

Program Coordinator for the Workshop for Young Women Leaders organized by The Outstanding Women in the Nation Service (TOWNS) Foundation with financing from the Metrobank Foundation Inc., Tagaytay City, 15-16 November 2008

Course Director on the topic “Handling DNA Sampling Kit,” a Pre-Conference Workshop for the 44<sup>th</sup> Annual Conference of the Philippine Association of Medical Technologists with the theme of "Road-mapping the Future of Medical Technology." SM Mall of Asia, Pasay City, 9 December 2008

- **As Resource Person for Educational Institutions, Government Agencies, and Media**

Resource Person for Radyo Henryo, online interview, 2 October 2021

Resource Person for Mr. Morris Lipson on “Evaluating the Progress of the Death Penalty Campaign in the Philippines,” online interview, 2 October 2021

Resource Person for KAPIhan roundtable discussion on “Genomic and Archaeological Research Ethics in Engaging Indigenous Cultural Communities,” 2 October 2021

Resource Person for “Patayan Files” TV episode for Probe Interviews 10 September 2021

Resource Person for PGC Visayas Graduation Ceremony for the “Course on Population Genetic and Population Genomic Analysis,” 16 July 2021

Resource Person for the Department of Biology, Bicol University College of Science 240 hours On-the-Job-Training 29 June 2021

Resource Person for “Usapang KapaTED” TV show for the “Law and Forensics” episode hosted by Atty Theodore O. Te and Ms. Chi Datu-Bocobo aired on Cignal Cable TV 26 June 2020

Resource Person for a TV episode on the Sexual Assault Investigation Kit for the series “Siyensikat” prepared by DOST-PCHRD and 360 Media Productions, 22 August 2019, taped at the Natural Sciences Research Institute, UP Diliman: and shown on GMA 7

Member of the Judging Panel for the 2019 Australian Alumni Excellence Awards, 24 June 2019

Resource Person for the Pre-Convention Workshop of the Philippine Pediatric Society on the Sexual Assault Investigation Kit, 7 April 2019, held at the Sofitel, Manila

Resource Person for the Talakayang HeaRTbeat Genomics for Health Program prepared by DOST-PCHRD, 27 February 2019, held at La Breza Hotel, Quezon City

Resource Person for the Indie film entitled “Bakas” organized by the PSHS Central Luzon campus students in September 2018. The film won the Viewer’s Choice Award during the 3<sup>rd</sup> Indie-Siyensiya Film Competition

Technical Reviewer for the Proposal entitled “Establishment of REDCap (Research Electronic Data Capture) Users Consortium for Collaborative Research: Administration and Governance” submitted for funding to the University of the Philippines, October 2018

Resource Person for the Summer Internship Program of Law Students through the Innocence Project Philippines Network, June to July 2018

Resource Person for the 2<sup>nd</sup> Developing a Curriculum (DACUM) Activity for the Masters in Forensic Sciences and Investigation Management organized by the National Forensic Science Institute, Philippine Public Safety College, 6-7 December 2017

Resource person for Emerging Interdisciplinary Research Project entitled “100 Master Voices” (2017)

Judge during the 2<sup>nd</sup> PSHS-CARC Research Congress with the theme "Stewarding Nature, Sustaining Resources for the Future" held at the Philippine Science High School CAR Campus, Baguio City, Benguet, 21 April 2017

Resource Speaker (Parallel Sessions) during the 2<sup>nd</sup> PSHS-CARC Research Congress with the theme "Stewarding Nature, Sustaining Resources for the Future" held at the Philippine Science High School CAR Campus, Baguio City, Benguet, 20 April 2017

Research Evaluator during the 1<sup>st</sup> Philippines-Thailand Science, Math and Technology Fair organized by the Philippine Science High School Eastern Visayas Campus, Pawing, Palo, Leyte, 28 February 2017

Resource Speaker during the Biology and Molecular Biology and Biotechnology Career Talk. Institute of Biology, UP Diliman, Quezon City, Philippines, 12 November 2015

Resource Speaker during the Workshop on Improving Laboratory Practices for Molecular Biology Research. CSM Building, UP Mindanao, Davao City, Philippines, 29 October 2015

Resource Speaker during the UP Mindanao: “Meet a Scientist.” UP Mindanao, Davao City, Philippines, 28 October 2015

Technical Consultant for the Organization of Symposium on "The Next Generation/The Now Generation Forensic Science Symposium" organized by the students of BIOL397, Institute of Biological Sciences, the Natural Sciences Research Institute, and the Philippine Genome Centre. UP Diliman, Quezon City, 7-10 April 2015

Technical Consultant for the Organization of Symposium on "Forensic Science in the Philippines: Status, Challenges and Opportunities" organized by the students of BIOL397, Institute of Biological Sciences, the Natural Sciences Research Institute, and the Philippine Genome Centre UP Diliman, Quezon City, 11 February 2014

Participant, Science, Technology in Society (STS) Seminar-Workshop organized by the Science Society Program, UP Diliman, Quezon City, Philippines, February 16-17, 2013

Science Panelist, First International Science Fair organized by the First Pacific Leadership Academy and the Philippine Science High School, Antipolo City, February 3-6, 2013.

Steering Committee, Innocents Project Philippines Network (2012- ongoing)

Co-Team Leader, Forensic Group of UP Padayon Disaster Response Team, assisted Iligan City after Typhoon Sendong (Dec 27-29, 2011). This team was organized by the UP System as requested by the local government of Iligan City

Featured in Filipino scientists, The Mind Museum, Taguig, Rizal

Reviewer for the PCARRD-DOST-PCC Project, "Characterization of swamp and riverine buffalo genome" of Dr. Ester Flores and Mr. Rommel Herrera of the Philippine Carabao Centre, Nueva Ecija, March 2010 to April 2012

Resource Person Training Workshop for Medical Health Officers, Law Enforcement, and Social Workers, organized by the Development Academy of the Philippines, Caraga region, Almont Inland Resort, Butuan City, 2-3 June 2011

Member of the panel of judges for the Best Project of the Year -Annual Science Awards given by DOST and BPI Foundation (2007 and 2011)

Resource Person Training Workshop for Philippine Mass Disaster for Philippine Coast Guards with Emphasis on Recovery and Identification of Human Remains, organized by DOST-ARMM, Marcian Business Hotel, Zamboanga City, 9-12 November 2010

Judge for the Asia Young Leader Program given by the Asia Society (2007 and 2010)

Resource person for ANC News and Public Affairs for its new program "Future Perfect" hosted by Mr. Tony Velasquez, 18 August 2010

Resource person for the Forerunner DNA Pro-kids Scientific Group Meeting organized by the University of Granada in Granada, Spain 26-27 October 2009

Judge for the Outstanding Young Scientist for the Year given by Brays- Merck (2009, 2011; 2013)

Resource person for GMA News and Public Affairs for its new program "Case Unclosed," hosted by Ms. Kara David on the Chiong Murder Case (2010)

Reviewer for the Office of the Vice-Chancellor for Research and Development on the proposal "Ancient Plant DNA" by Jane Carlos (2009)

Moderator for the Roundtable Discussion on Mentoring Students and Young Scientists toward a Productive Science Career. National Academy of Science and Technology (Philippines). UP College of Science, Diliman, Quezon City, 17 November 2008

Featured in Manila Standard in "It's in the Genes" (Part 1, 2, and 3) –Chasing Happy column of Adelle Chua Tulagan. 18 August, 25 August, and 1 September 2008

Reviewer for the National Research Council of the Philippines. "Survey and Detection of Gene Sequences for Industrially Important Microbial Enzymes" of Dr. CT Hedreyda of the National Institute of Molecular Biology and Biotechnology, June 2008

Resource person for the video produced by the European Commission for their human rights advocacy campaign, mainly focusing against the Death Penalty, May 2008

Technical resource person for the information campaign for lawyer training on forensic DNA evidence spearheaded by the Philippine Council for Advanced Science Technology Research Development of the Department of Science and Technology (2006-2008)

Member and REPS (Research Extension and Professional Staff) for the Selection Committee of the UP Diliman Chancellor (2008 and 2011)

Technical resource person for the Senate Committee on Justice and Human Rights during the public hearing on the DNA Analysis Enhancement Act of 2004. 17 October 2007

Technical resource person for the Philippine Judicial Academy (Research Group) during the drafting of the Rule on DNA Evidence (2005-2007)

Project reviewer for the National Research Council of the Philippines (2008) for the Proposal "Survey and Detection of Gene Sequences for Industrially Important Microbial Enzymes" of Dr. CT Hedreyda for NRCP funding.

Reviewer for the Evaluation Report of the Project "Cloning and Expression of a Green Fluorescent Protein (GFP) Monolog from a Philippine Anthozoa Species" authored by Palmes-Saloma, C and Altamia, MA financed by the Office of the Vice-Chancellor for Research and Development, University of the Philippines (2007)

Technical resource person by the National Institute of Science Mathematics Education (NISMED) during the media production of "Science Police Report on DNA Evidence" (2007)

Member of the Outstanding Young Men Selection Committee through the TOYM Foundation (2006, 2007, and 2013)

Featured in BizNews Asia 5(38):11, 22-29 October 2007 in the article "Harnessing DNA technology for justice" together with the TOWNS 2007 awardees for the special issue "Warriors for Humanity"

Resource Person during the Health Forum organized by the Philippine College of Physicians (PCP) and featured in Medical Observer, 16(5):54, June 2007

Reviewer of the Proposal entitled "Establishing a Genome Analysis and Molecular Detection Laboratory" in UP Diliman submitted by CT Hedreyda to the Office of the Vice-Chancellor for Research and Development. 16 April 2007

Featured in Pinoy Gazette 60 (457):15, March 25, 2007, in the article "Siyensiya: Maria Corazon A. De Ungria- Analysing DNA with a heart and a passion" by Rose M. Sanvictores

Featured in Starfish 2(2):14-15, 2007, the first Filipino Youth empowerment magazine for the article "The Scientist in Action: Dr. De Ungria's outlook on leadership in and beyond the laboratory" by Crystal Joy R. Calinawan

Resource Person for the Information Acquisition and Dissemination Program of the Philippine Council for Advanced Science and Technology Research and Development (PCASTRD) of the Department of Science and Technology (DOST) on Forensic DNA Analysis (2006- 2009)

Reviewer for the paper entitled "Identification of a truncating mutation in the homeodomain (HD) of Pax3 in three generations of a Filipino family with Waardenburg Syndrome Type 1" authored by Agunod, A Jr and Palmes-Saloma, C. for the Annual Convention of the Philippine Society for Molecular Biology and Biotechnology (2006)

Technical resource person for the production of the manual "Teaching DNA to Lawyers" (2006) and educational video "Understanding DNA Evidence" (2003) by the Free Legal Assistance Group for training lawyers

Featured in New Scientist 188 (2527):10, 26 November 2005, "Innocents die as DNA goes untested " by Rowan Hooper

Reviewer for the UP Office of the Vice-Chancellor for Academic Affairs. "Partial DNA Sequences of the Mitochondrial 16S rRNA and cytochrome B genes from the Wild Pig (*Sus philippensis*)" of Dr. CT Hedreyda of the National Institute of Molecular Biology and Biotechnology, March 2004

Host scientist MAT Siringan (Grantee Post-Doctoral and Scientist Research Fellowship in Basic Research for Agriculture and Fisheries for the research entitled "Detection of Bacterial Pathogens in Nile Tilapia (*Oreochromis niloticus* L.) using Conventional and PCR-based



Detection Methods." Project supported by the Bureau of Agricultural Research, Department of Agriculture (2003-2004)

Reviewer for the UP Office of the Vice President for Academic Affairs. "Development of DNA Markers for genetic analysis of the Philippine 'hito' *Clarias macrocephalus*" of V Monje of the National Institute of Molecular Biology and Biotechnology, May 2002

Resource Person during the Institutional visit of Biosummerians 2002. Department of Natural Sciences, College of Arts and Sciences, Bicol University in Daraga, Albay. 15 April 2002

Judge for the 3<sup>rd</sup> Youth Math, Science and Technology Festival with the theme "Spearheading the Breakthroughs in the 21<sup>st</sup> Century through Science, Math, and Technology" given by Philippine Science High School, 8 February 2000

#### ■ GRADUATE STUDENTS

Salvador, JM. 2018. Genome-wide Studies of Philippine Negritos. Doctor of Philosophy in Genetics. University of the Philippines, Diliman, Philippines. Co-adviser, J Quilang as Faculty Adviser

Soliven NJA. 2017. Generation of Philippine SNP data using a Global Ancestry Informative Markers (AIMS) panel. Master of Science in Biology. University of the Philippines, Diliman, Philippines. Co-adviser, IK Fontanilla as Faculty Adviser

Sales, PRL. 2017. Validating Protocols for Analysing Two-Person DNA Mixtures obtained from Child Patients of Abuse. Master of Science in Biology. University of the Philippines, Diliman, Philippines. Co-adviser, IK Fontanilla as Faculty Adviser

Salma, VDP. 2016. Physical evidence outweighs testimonial evidence: Amending the rules on evidence. Bachelor of Law. Silliman University, Dumaguete, Philippines. Thesis panel with SB Belizaro as Adviser

Rodriguez JRB. 2014. Formulation of an integrated system of forensic DNA testing to evaluate sexual assault cases in the Philippines. Master of Science (Genetics), UP Los Baños, Laguna, Philippines. Thesis Co-Adviser, RP Laude as Faculty Adviser

Villamor LP. 2014. DNA Barcoding of *Gracilaria* and related species in the Philippines. Master of Science (Marine Science), UP Diliman, Quezon City, Philippines. Thesis Reader, AO Lluisma as Faculty Adviser

Salvador JM. 2010. Identifying DNase producing bacteria in exhumed bones: implications to human DNA typing. Master of Science (Microbiology), UP Diliman, Quezon City, Philippines. Thesis Co-Adviser, WL Rivera Faculty Adviser, and EP Cao as Reader

Herrera MJB. 2010. An archaeogenetic study of the genus *Sus* in the Philippines and its propositions for understanding human movements for Island Southeast Asia. UP Diliman, Quezon City, Philippines. External Panel Member of Thesis Committee with PJ Piper (Adviser)

Tabbada KA. 2006. Human mitochondrial DNA hypervariable region I and II polymorphisms in three Philippine regional populations. Master of Science (Molecular Biology and Biotechnology). UP Diliman, Quezon City, Philippines. Thesis Co-Adviser, with CAT Villanueva as Faculty Adviser and VD Monje as Reader

Delfin FC. 2003. Validation studies of Y-chromosome Short Tandem Repeat for forensic applications. Master of Science (Molecular Biology and Biotechnology). UP Diliman,

Quezon City, Philippines. Thesis Co-Adviser, with VD Monje as Faculty Adviser and JJB Miranda as Reader

Calacal GC. 2003. Fungal DNA challenge in human STR typing of bone samples. Master of Science (Microbiology). UP Diliman, Quezon City, Philippines. Thesis Co-Adviser with EP Cao as Faculty Adviser and I Dogma as Reader

Tuazon OM. 2002. Molecular detection of macrolide resistance mutations in *Helicobacter pylori*: Comparison of PCR-based methods including dHPLC. UP Diliman, Quezon City, Philippines. Thesis Reader with WL Barraquio as Faculty Adviser and J Versalovic as Co-Adviser

## ■ CONFERENCE PROCEEDINGS

### ● International Conferences

Rodriguez JJB, Cuales JMD, Herrera MJB, Stoneking M and **De Ungria MCA**. 2023. Anticipating the tide of “ancient DNA revolution” to Philippine shores: an ethical groundwork. 14<sup>th</sup> International Congress of Human Genetics entitled “Coming Home,” Capetown, South Africa, 22-26 February.

Jarilla, JZF, Manalaysay JB, Sales PRL, and **De Ungria MCA**. 2022. Analysis of a 19-year-old Sexual Assault Case using EuroForMix Probabilistic Genotyping Software. 14<sup>th</sup> Asian Forensic Science Network Meeting and Symposium entitled “Enhancing Forensic Science Cooperation in Law Enforcement in Asia Towards Post-Pandemic Recovery,” Jakarta, Indonesia, 2-5 November.

Bangahan FB, Herrera MJB, Garcia MLD, Cuales JMD, Rodriguez JJB, and **De Ungria MCA**. 2022. Characterizing the Mitochondrial Control Region Genetic Diversity of Native Chickens in the Sulu Archipelago, Philippines as a Bio proxy for Understanding the Past. 22<sup>nd</sup> Congress of the Indo-Pacific Prehistory Association entitled “Current Trends and Future Directions in Indo-Pacific Archaeology,” Chiangmai, Thailand, 6-12 November (oral presentation).

Rodriguez JJB, Laude RP and **De Ungria MCA**. 2021. An Integrated System for Forensic DNA Testing of Sexual Assault Cases in the Philippines. Asian Forensic Science Network Annual Conference entitled “Forensic Science amid a Pandemic: Challenges, Lessons, and Best Practices,” 12 October 2021. (oral presentation).

Estrella CS, Salvador JM, Sosing MV, Calacal GC, Dennis SM and **De Ungria MCA**. 2021. Comparison of Sequence Variations observed at 24 Y-STR loci from 142 Filipinos with other populations. Asian Forensic Science Network Annual Conference entitled “Forensic Science amid a Pandemic: Challenges, Lessons, and Best Practices,” 12-15 October.

Sosing MV, Salvador JM, Estrella CS, Calacal GC, Dennis SM and **De Ungria MCA**. 2021. Genetic analysis and comparison of 27 autosomal STR sequence variations of 142 Filipinos with other populations. Asian Forensic Science Network Annual Conference entitled “Forensic Science amid a Pandemic: Challenges, Lessons, and Best Practices,” 12-15 October.

**De Ungria MCA** and Jose JM. 2020. Challenges in Establishing an Innocents Project in the Philippines: The Innocents Project Philippines Network Experience. 72<sup>nd</sup> Annual Scientific Meeting of the American Academy of Forensic Science with the theme “Crossing Borders.” Anaheim Convention Centre, Anaheim, California, City, USA. 17-21 February (oral presentation).

- De Ungria MCA** and Jimenez EB. 2019. Ethical Challenges in Genetics Research with Philippine Indigenous Peoples. 13<sup>th</sup> Asia Pacific Congress on Human Genetics with the theme “Advancing Translational Medicine and Collaborations in Genomics”. Makati Shangri-la, Makati City, Philippines. 7-9 November.
- Salvador JM, Pan Y, Ge X, Deng L, Delfin FC, Sur ALD, Guia-Padilla MT, Canoy R, Padilla SG, Cutiongco-de la Paz EMV, Xu S, **De Ungria MCA** and Padilla CM. 2019. Genetic Structure and Phylogenetic Relationship among Negrito groups in the Philippines as Inferred from Genome-wide SNP data. 13<sup>th</sup> Asia Pacific Congress on Human Genetics with the theme “Advancing Translational Medicine and Collaborations in Genomics”. Makati Shangri-la, Makati City, Philippines. 7-9 November.
- Calacal GC, Apaga DLT, Salvador JM, Dennis SME and **De Ungria MCA**. 2019. Massively parallel sequencing of degraded human bone samples using MiSeq FGX™ System. 11<sup>th</sup> Annual Meeting and Symposium of the Asian Forensic Science Network. The Convention Center 272, Ho Chi Minh City, Vietnam. 17- 20 September.
- Dalet MRM, Salvador JM, Sagum MS, Sales PRL, Soliven NFJA, Gallardo BG, **De Ungria MCA** and Calacal GC. 2019. X-STR and Y-STR DNA analysis in deficiency paternity and kinship cases. 11<sup>th</sup> Annual Meeting and Symposium of the Asian Forensic Science Network. The Convention Center 272, Ho Chi Minh City, Vietnam. 17- 20 September.
- Gallardo BG, Apaga DLT, **De Ungria MCA** and Calacal GC. 2019. Improved aSTR typing of degraded femur samples using demineralization buffer and DNA-IQ™. 11<sup>th</sup> Annual Meeting and Symposium of the Asian Forensic Science Network. The Convention Centre 272, Ho Chi Minh City, Vietnam. 17- 20 September.
- Sagum, MS, Calacal GC, Gallardo BG, Salvador JM, Dalet MRM, Sales PRL, Soliven NFJA and **De Ungria MCA**. 2019. A 10-year overview of forensic DNA typing services by the DNA Analysis Laboratory, Natural Sciences Research Institute, University of the Philippines Diliman. 11<sup>th</sup> Annual Meeting and Symposium of the Asian Forensic Science Network. The Convention Center 272, Ho Chi Minh City, Vietnam. 17- 20 September.
- Sales PRL, Soliven NFJA, Calacal GC, Salvador JM, Llamas JHS, Delfin FC, Bautista MAM and **De Ungria MCA**. 2019. Evaluation of the MiSeq FGx™ Forensic Genomics System to analyse reference and forensic-type samples. 11<sup>th</sup> Annual Meeting and Symposium of the Asian Forensic Science Network. The Convention Centre 272, Ho Chi Minh City, Vietnam. 17- 20 September.
- Salvador JM, Dennis SME, Calacal GC, Apaga DLT and **De Ungria MCA**. 2019. Sequence variation of 27 autosomal and 24 Y-chromosomal STR loci in a Filipino population. 11<sup>th</sup> Annual Meeting and Symposium of the Asian Forensic Science Network. The Convention Centre 272, Ho Chi Minh City, Vietnam. 17- 20 September.
- Soliven NFJA, Apaga DLTA, Salvador, JM, Dennis, SME, Calacal GC and **De Ungria MCA**. 2019. Ancestry informative SNPs study of a Filipino population. Annual Meeting and Symposium of the Asian Forensic Science Network. The Convention Centre 272, Ho Chi Minh City, Vietnam. 17- 20 September.
- Gallardo BG, Apaga DLT, **De Ungria MCA** and Calacal GC. 2018. Evaluation of Promega’s Bone Demineralization Buffer for Processing Degraded Femur Samples. 29<sup>th</sup> International Symposium on Human Identification (ISHI). Phoenix Convention Centre, Arizona USA. 24- 27 September.

- De Ungria, MCA** and Jose JM. 2018. A Tale of Two Cases: The Use of DNA Evidence in the Philippines. 10<sup>th</sup> Human Annual Meeting and Symposium of the Asian Forensic Science Network with the theme New Methods, New Technologies, New Challenges, Beijing, China 4-8 September (oral presentation).
- Phillips C, McNevin D, Eduardoff M, de la Puente M, Power D, Xavier C, Heidegger A, Parson W, Kidd K, Santos C, Lagace R, Wootton S, Akhteruzzaman S, Barash M, **De Ungria MCA**, Gross T, Hasiyada M, Henry J, Hong SR, Lee HY, Oz C, Peters E, Schneider P, Soliven NA, Tuitoga N, Olson S, Lareu MV and Daniel R. 2018. An Ancestry-informative assay for the Asia-Pacific region. 4<sup>th</sup> Human Identification Solutions with the theme "Seeking Answers, Solving Crime," Rome, Italy 3-4 May.
- De Ungria MCA**, Jimenez EB, Espigar ARM and Mijares ASB. 2017. Ethical Guidelines Governing Genetics Research with Philippine Indigenous Peoples. 2<sup>nd</sup> International Conference on Founder Populations with the theme "The Landscape of Genetic Variants in Asian Founder Populations- From Near to the Far East." Crowne Plaza, Kerala, India 9-12 November.
- Salvador JM, Apaga DLT, Dennis SE, Calacal, GC and **De Ungria MCA**. 2017. Length and sequence based-variation of seven X-STR loci in a Philippine population. 9<sup>th</sup> Annual Meeting and Symposium of the Asian Forensic Science Network with the theme "Advancing Forensic Science in a Rapidly Changing World". Ngee Ann Polytechnic College, Singapore, 4-8 September (oral presentation).
- Dalet MRM, Salvador JM, Calacal GC, Sagum MS, Sales PRL, Soliven, NJA, Honrado MLD and **De Ungria MCA**. 2017. DNA Case Report: Family Reconstruction of Deficiency Paternity. 9<sup>th</sup> Annual Meeting and Symposium of the Asian Forensic Science Network with the theme "Advancing Forensic Science in a Rapidly Changing World". Ngee Ann Polytechnic College, Singapore, 4-8 September.
- Sagum MS, Calacal GC, Salvador JM, Dalet MRM and **De Ungria MCA**. 2017. Biobanking and Forensic DNA Testing in the Philippines. 9<sup>th</sup> Annual Meeting and Symposium of the Asian Forensic Science Network with the theme "Advancing Forensic Science in a Rapidly Changing World." Ngee Ann Polytechnic College, Singapore, 4-8 September.
- Sales PRL, Salvador JM, Calacal GC and **De Ungria MCA**. 2017. Determining Stutter Percentages of Poweplex<sup>®</sup> 21 and Powerplex<sup>®</sup> Y23 Markers for Evaluation of Forensic DNA Mixtures. 9<sup>th</sup> Annual Meeting and Symposium of the Asian Forensic Science Network with the theme "Advancing Forensic Science in a Rapidly Changing World." Ngee Ann Polytechnic College, Singapore, 4-8 September.
- Apaga DLT, Salvador JM, Delfin FC, Dennis SE, Calacal, GC and **De Ungria MCA**. 2017. Selection of Universal iiSNPs for Human Identification from Forensic Panels of Massively Parallel Sequencing Platforms. 27<sup>th</sup> Congress of the International Society of Forensic Genetics with the theme "Bridging East and West." COEX Convention Centre, Seoul, South Korea, 27 August to 2 September.
- Calacal GC, Apaga DLT, Salvador, JM, Dennis SE and **De Ungria MCA**. 2017. Massively Parallel Sequencing of Human Bone Samples using the MiSeq<sup>®</sup> FGx<sup>™</sup> and HID-Ion<sup>™</sup> PGM Systems. 27<sup>th</sup> Congress of the International Society of Forensic Genetics with the theme "Bridging East and West." COEX Convention Centre, Seoul, South Korea, 27 August to 2 September.

- Itong TAB, Delfin FC, Apaga DLT, Salvador JM, Calacal, GC and **De Ungria MCA**. 2017. Assessment of mtDNA lineages of Filipinos for Forensic Applications. 27<sup>th</sup> Congress of the International Society of Forensic Genetics with the theme "Bridging East and West." COEX Convention Centre, Seoul, South Korea, 27 August to 2 September.
- Phillips C, McNevin D, Eduardoff M, de la Puente M, Heidegger A, Xavier C, Power D., Parson W, Kidd K, Santos C, Lagace R, Wootton S, Barash M, **De Ungria MCA**, Hong SR, Lee HY, Oz C, Peters E, Soliven NA, Tuitoga N, Olson S, Lareau MV and Daniel R. 2017. An ancestry-informative assay for the Asia Pacific region. 27<sup>th</sup> Congress of the International Society of Forensic Genetics with the theme "Bridging East and West." COEX Convention Centre, Seoul, South Korea, 27 August to 2 September. (oral presentation).
- De Ungria MCA**, Jimenez EB, Espigar ARM and Mijares, ASB. 2017. Genetics Research Involving Philippine Indigenous Peoples. 36<sup>th</sup> Annual PAASE Meeting and Symposium with the theme "Converging Academe-Government-Industry Science and Technology Stakeholders to Accelerate Philippine Innovation." Manila Hotel, Philippines, 14-15 July. (oral presentation).
- De Ungria MCA** and Jimenez EB. 2017. Challenges in the Conduct of Genetics Research Involving Philippine Indigenous Peoples. 17<sup>th</sup> Conference of the Science Council of Asia with the theme "Science, Technology, and Innovation for Inclusive Development." Philippine International Convention Centre, Manila, Philippines, 14-16 June. (oral presentation).
- Apaga DL, Dennis SME, Salvador J, Calacal GC, Itong TA and **De Ungria MCA**. 2016. Characterization of 131 Individual Identification SNPs using Philippine Population Data. 25<sup>th</sup> International Conference of the Federation of Asian Biochemists and Molecular Biologists and 43<sup>rd</sup> Annual Convention of the Philippine Society of Biochemistry and Molecular Biology with the theme "Biochemistry and Molecular Biology in Health and Wellness." Philippine International Convention Centre, Manila, Philippines, 7-9 December.
- Dennis SME, Salvador J, Apaga DL, Calacal GC and **De Ungria MCA**. 2016. Massively Parallel Sequencing of 143 Filipino individuals- Population Data and Analysis Results of Short Tandem Repeats for the Forenseq<sup>TM</sup> DNA Signature Prep Kit. 25<sup>th</sup> International Conference of the Federation of Asian Biochemists and Molecular Biologists and 43<sup>rd</sup> Annual Convention of the Philippine Society of Biochemistry and Molecular Biology with the theme "Biochemistry and Molecular Biology in Health and Wellness." Philippine International Convention Centre, Manila, Philippines, 7-9 December.
- Itong TA, Apaga DL, Salvador J, Dennis SME, Calacal GC and **De Ungria MCA**. 2016. Expansion of the Philippine mitochondrial DNA database for forensic applications. 25<sup>th</sup> International Conference of the Federation of Asian Biochemists and Molecular Biologists and 43<sup>rd</sup> Annual Convention of the Philippine Society of Biochemistry and Molecular Biology with the theme "Biochemistry and Molecular Biology in Health and Wellness." Philippine International Convention Centre, Manila, Philippines, 7-9 December.
- Salvador J, Apaga DL, Dennis SME, Calacal GC, Itong TA and **De Ungria MCA**. 2016. Philippine Population Data for twelve X-chromosome and Short Tandem Repeat (X-STR) loci using Investigator<sup>®</sup> Argus X-12 kit and MiSeq<sup>®</sup> FGx<sup>TM</sup> Forensic Genomics System. 25<sup>th</sup> International Conference of the Federation of Asian Biochemists and Molecular Biologists

and 43<sup>rd</sup> Annual Convention of the Philippine Society of Biochemistry and Molecular Biology with the theme "Biochemistry and Molecular Biology in Health and Wellness." Philippine International Convention Centre, Manila, Philippines, 7-9 December.

**De Ungria MCA**, Espigar AR and Mijares ASB. 2016. Including Philippine indigenous communities in the Philippine population reference database: Issues and challenges. 23<sup>rd</sup> International Symposium of the Australia-New Zealand Forensic Science Society with the theme "Together InForming Justice." Sky City Auckland Convention Centre, Auckland, New Zealand, 18-23 September.

Apaga DL, Dennis SME, Salvador J, Calacal GC and **De Ungria MCA**. 2016. Comparison of two NGS platforms using shared DNA markers for human identification. 8<sup>th</sup> Annual Meeting and Symposium of the Asian Forensic Science Network with the theme "Towards Forensic Science Standards in Asia: Integration, Unity, and Collaboration." Berkeley Hotel, Pratunam, Thailand, 16-19 August.

Apaga DL, Soliven NJ, Salvador J, **De Ungria MCA** and Calacal GC. 2016. Mitochondrial hypervariable region sequence analysis of post-mortem samples utilizing primers that generate reduced-size amplicon. 8<sup>th</sup> Annual Meeting and Symposium of the Asian Forensic Science Network with the theme "Towards Forensic Science Standards in Asia: Integration, Unity, and Collaboration." Berkeley Hotel, Pratunam, Thailand, 16-19 August.

Sales PRL, **De Ungria MCA** and Calacal GC. 2016. Evaluation of a rapid prototype kit for extraction of DNA from human teeth. 8<sup>th</sup> Annual Meeting and Symposium of the Asian Forensic Science Network with the theme "Towards Forensic Science Standards in Asia: Integration, Unity, and Collaboration." Berkeley Hotel, Pratunam, Thailand, 16-19 August.

Sagum MS, Calacal GC, Salvador JM, Dalet MRM, Sales PRL and **De Ungria MCA**. 2015. Case Report: Family Reconstruction for Paternity Deficiency Cases. 7<sup>th</sup> Annual Meeting and Symposium of the Asian Forensic Science Network. Kuala Lumpur, Malaysia, 16-18 November.

Sales PRL, Calacal GC and **De Ungria MCA**. 2015. Comparison of three commercial kits for extraction of DNA from human teeth. 7<sup>th</sup> Annual Meeting and Symposium of the Asian Forensic Science Network. Kuala Lumpur, Malaysia, 16-18 November.

Salvador JM, Dennis SME, Apaga DLT, Calacal GC and **De Ungria MCA**. 2015. Next-generation sequencing of Philippine samples using the Illumina MiSeq FGx™ Forensic Genomics System. 7<sup>th</sup> Annual Meeting and Symposium of the Asian Forensic Science Network. Kuala Lumpur, Malaysia, 16-18 November. Best Poster.

Soliven NJ, Honrado MLD, Calacal GC and **De Ungria MCA**. 2015. Assessing the yield and quality of DNA extracted from human urine samples at different storage temperatures. 7<sup>th</sup> Annual Meeting and Symposium of the Asian Forensic Science Network. Kuala Lumpur, Malaysia, 16-18 November.

**De Ungria MCA**, Carandang LC and Salvador JM. 2015. Mutation rates of Y-chromosomal Short Tandem Repeat (STR) Markers of Filipino across families. 7<sup>th</sup> European Academy of Forensic Science Conference. Prague, Czech Republic, 6-11 September.

Rodriguez J, Salvador J, Maiquilla SM, Calacal G, Delfin F, Tabbada K, Perdigon H, Sagum M, Dalet MR, Laude R and **De Ungria MCA**. 2015. Autosomal DNA diversity of Philippine regional populations at 23 short tandem repeat markers. 9<sup>th</sup> Conference of the

- International Society for Applied Biological Sciences on Forensic and Anthropological Genetics. Bol, Croatia, 22-26 June.
- Delfin F, Gunnarsdotir E, MinShanKo A, Li M, Pugach I, Stoneking M, Salvador JM, Calacal GC, Perdigon HB, Tabbada KA, Villamor LP, Sagum MS, Halos SC and **De Ungria MCA**. 2015. Filipino population history and demography: A genetic perspective presented at the International Sanrokan Conference, held in Romblon, 1-15 May. (oral presentation).
- Calacal G, Apaga DL, Dalet MR, Honrado ML, Sales PR, Salvador J, Jimenez JJ, Villacorta RP, Lim MC, Fortun R, Datar F and **De Ungria MCA**. 2014. Comparing human post-mortem samples as DNA sources for downstream genotyping and identification in the Philippines. 20<sup>th</sup> Conference of the International Association of Forensic Sciences. Seoul, South Korea, 15-16 October.
- Rodriguez J, Bright J, Salvador J, Laude R and **De Ungria MCA**. 2014. DNA evidence interpretation for sexual assault cases in the Philippines: adopting a continuous model for mixture analysis. DNA evidence interpretation for sexual assault cases in the Philippines: adopting a continuous mixture analysis model. 20<sup>th</sup> Conference of the International Association of Forensic Sciences. Seoul, South Korea, 15-16 October.
- Sales PRL, Ferrer DEC, Calacal GC, Salvador JM and **De Ungria MCA**. 2014. Validation and comparison of DNA extraction methods from cigarette butts. 20<sup>th</sup> Conference of the International Association of Forensic Sciences. Seoul, South Korea, 15-16 October.
- Salvador J, Honrado ML, Carandang LC, Agmata A, Sagum AR and **De Ungria MCA**. 2014. Evaluation of Y-STR DNA results of kinship cases using the Philippine online Y-STR Haplotype Reference Database (YHRD). 20<sup>th</sup> Conference of the International Association of Forensic Sciences. Seoul, South Korea, 15-16 October.
- Carandang LC, Salvador J, Honrado ML, Agmata A, Sagum AR and **De Ungria MCA**. 2014. Mutation rates at 34 Y-chromosomal Short Tandem Repeat (STR) markers in father-son, brother-brother, and grandfather-grandson pairs from a Filipino population. 6<sup>th</sup> Annual Meeting and Symposium of the Asian Forensic Science Network. Seoul, South Korea, 12-14 October.
- De Ungria MCA**, Jose JM and Jimenez E. 2014. Judicial rules, laws, and ethics govern DNA forensics in the Philippines. 6<sup>th</sup> Annual Meeting and Symposium of the Asian Forensic Science Network. Seoul, South Korea, 12-14 October.
- Rodriguez JJRR, Calacal G, Laude R and **De Ungria MCA**. 2014. Evaluating forensic DNA extraction methods for post-coital swabs, stains, and condoms. 6<sup>th</sup> Annual Meeting and Symposium of the Asian Forensic Science Network. Seoul, South Korea, 12-14 October.
- Sales PRL, Calacal GC, Salvador JM and **De Ungria MCA**. 2014. Validation and comparison of DNA extraction methods for human teeth. 6<sup>th</sup> Annual Meeting and Symposium of the Asian Forensic Science Network. Seoul, South Korea, 12-14 October.
- Salvador J, Rodriguez JJRR and **De Ungria MCA**. 2014. Advantages of using complementary kits for the elucidation of ambiguous DNA profiling results. 6<sup>th</sup> Annual Meeting and Symposium of the Asian Forensic Science Network. Seoul, South Korea, 12-14 October.
- Delfin F, Gunnarsdotir E, MinShanKo A, Li M, Pugach I, Stoneking M, Salvador JM, Calacal GC, Perdigon HB, Tabbada KA, Villamor LP, Sagum MS, Halos SC and **De Ungria MCA**. 2014. Filipino population history and demography: A genetic perspective presented at the

- International Mamanwa Dialogue Symposium, held Hotel Tavern Surigao, 19-21 September (oral presentation).
- Calacal GC, Apaga DL, Honrado MLD, Sales PR, Rodriguez JJB, Villacorta P, Lim MC, Fortun RdR, Datar F and **De Ungria MCA**. 2013. A Comparison of DNA yield and DNA amplification efficiency of different biological samples obtained from embalmed human remains. 5<sup>th</sup> Annual Meeting and Symposium of the Asian Forensic Science Network. Singapore, 11-14 November.
- Dalet MRM, Calacal GC, Salvador JM, Honrado MLD, Sales PR, Sagum MS and **De Ungria MCA**. 2013. Bombing victim identified through DNA profiling of embalmed muscle tissue. 5<sup>th</sup> Annual Meeting and Symposium of the Asian Forensic Science Network. Singapore, 11-14 November.
- Honrado MLD, Calacal GC, Salvador JM and **De Ungria MCA**. 2013. DNA Profiling of Human Urine Samples for Identification. 5<sup>th</sup> Annual Meeting and Symposium of the Asian Forensic Science Network. Singapore, 11-14 November.
- Rodriguez JJB, Salvador JM, Calacal GC, Honrado MLD, Sagum MS, Laude RP and **De Ungria MCA**. 2013. Comparative validation of semen detection tests: Sensitivity, specificity, and compatibility with DNA profiling procedures for mixture samples. 5<sup>th</sup> Annual Meeting and Symposium of the Asian Forensic Science Network. Singapore, 11-14 November.
- Sagum MS, Delfin FC, Calacal GC, Salvador JM, Dalet MRM and **De Ungria MCA**. 2013. Formulating the national strategy for local accreditation of forensic DNA laboratories in the Philippines. 5<sup>th</sup> Annual Meeting and Symposium of the Asian Forensic Science Network, Singapore, 11-14 November.
- Salvador JM, Rodriguez JJB, Agmata AB, Honrado MLD, Calacal GC and **De Ungria MCA**. 2013. Y chromosomal DNA variation of the Filipino population at 34 Y chromosome-specific Short Tandem Repeat (STR) loci. 24<sup>th</sup> International Symposium on Human Identification. Atlanta, Georgia USA, 7-10 October.
- Calacal GC, Salvador JM, Franco SA, Maiquilla SM, Sagum MS, Dalet MR, Fortun RdR and **De Ungria MCA**. 2013. Identification of skeletal remains recovered from a seawall resolved a murder investigation case. 25<sup>th</sup> Congress of the International Society for Forensic Genetics. Melbourne, Australia, 2-7 September.
- Rodriguez JJB, Salvador JM, Agmata AB, Carandang LCDL, Apaga DLT, Espigar ARM, Calacal GC, Laude RP and **De Ungria MCA**. 2013. An integrated STR database of the Philippine population: the genetic diversity of Filipinos at 23 aSTR and 23 Y-STR DNA markers. 25<sup>th</sup> Congress of the International Society for Forensic Genetics. Melbourne, Australia, 2-7 September.
- Calacal GC, Salvador JM, Honrado MLD and **De Ungria MCA**. 2012. Evaluation of procedures in DNA extraction from formalin-fixed paraffin-embedded tissue (FFPET) for aSTR HID analysis. 4<sup>th</sup> Asian Forensic Sciences Network and Annual Meeting & Symposium. Bangkok, Thailand, 26-28 November.
- Dalet MRM, Sagum MS, Calacal GC, Salvador JM, Honrado MLD, Sales PRL and **De Ungria MCA**. 2012. Direct-To-Consumer (DTC) DNA paternity testing: Issues and concerns in the Philippines. 4<sup>th</sup> Asian Forensic Sciences Network and Annual Meeting & Symposium. Bangkok, Thailand, 26-28 November.



- De Ungria MCA**, Diokno MSI, Quibod M, Villarente R, Sagum MS, Morales RD, Diokno JMI and Jose JM. 2012. The Innocence Project Philippines. 4<sup>th</sup> Asian Forensic Sciences Network and Annual Meeting & Symposium. Bangkok, Thailand, 26-28 November.
- Ferrer DEC, Lamento EEB, Salvador JM, Rodriguez JRB, Laude RP and **De Ungria MCA**. 2012. Internal validation study on the Rapid Stain Identification (RSID™)- Semen Kit. 4<sup>th</sup> Asian Forensic Sciences Network and Annual Meeting & Symposium. Bangkok, Thailand, 26-28 November.
- Honrado MLD, Salvador JM, Calacal GC, Sales PRL and **De Ungria MCA**. 2012. Internal validation of AmpFISTR® Identifiler® Plus PCR amplification kit. 4<sup>th</sup> Asian Forensic Sciences Network and Annual Meeting & Symposium. Bangkok, Thailand, 26-28 November.
- Sales PRL, Calacal GC, Salvador JM, Honrado MLD and **De Ungria MCA**. 2012. Internal validation of AmpFISTR® Yfiler® PCR amplification kit. 4<sup>th</sup> Asian Forensic Sciences Network and Annual Meeting & Symposium. Bangkok, Thailand, 26-28 November.
- De Ungria MCA**, Abueva A, Sagum MS, Dalet MRM, Calacal GC, Salvador JM, Jose JM, Eisenberg AJ and Lorente JA. 2011. DNA Prokids Philippines: Use of DNA Evidence to Combat Child Trafficking in the Philippines. 22<sup>nd</sup> General Meeting of the Academy of Sciences for the Developing World (TWAS). Trieste, Italy 20-24 November.
- Balmores EJF, Maiquilla SMB, Calacal GC, Salvador JM, Otero MCB, Dalet MRM, Sagum MS and **De Ungria MCA**. 2011. Expansion of Philippine autosomal Short Tandem Repeat population Database. 3<sup>rd</sup> Asian Forensic Sciences Network and Annual Meeting & Symposium. Seoul, South Korea, 25-27 May.
- Calacal GC, Salvador JM, Otero MCB, Franco SAEL, and **De Ungria MCA**. 2011. Comparison of DNA extraction methods from formalin-fixed paraffin-embedded tissue (FFPET) for aSTR multiplex analysis. 3<sup>rd</sup> Asian Forensic Sciences Network and Annual Meeting & Symposium. Seoul, South Korea, 25-27 May.
- Dalet MRM, Salvador JM, Calacal GC, Otero MCB and **De Ungria MCA**. 2011. DNA test leads to the reunion of the child with the birth mother. 3<sup>rd</sup> Asian Forensic Sciences Network and Annual Meeting & Symposium. Seoul, South Korea, 25-27 May.
- De Ungria MCA**, Abueva A, Sagum MS, Dalet MRM, Calacal GC, Salvador JM, Jose JM, Eisenberg AJ and Lorente JA. 2011. The Use of DNA Evidence to Combat Child Trafficking in the Philippines. 3<sup>rd</sup> Asian Forensic Sciences Network and Annual Meeting & Symposium. Seoul, South Korea, 25-27 May.
- Otero MCB, Calacal GC, Salvador JM, Dalet MRM, Sagum MS, Eisenberg AJ, Lorente JA and **De Ungria MCA**. 2011. Direct amplification of blood and buccal samples from two DNA collection systems. 3<sup>rd</sup> Asian Forensic Sciences Network and Annual Meeting & Symposium. Seoul, South Korea, 25-27 May.
- Sagum MS, Calacal GC, Salvador JM, Dalet MRM, Jose JM and **De Ungria MCA**. 2011. Surrogacy: whose child is it? 3<sup>rd</sup> Asian Forensic Sciences Network and Annual Meeting & Symposium. Seoul, South Korea, 25-27 May.
- Salvador JM, Calacal GC, Rivera WL and **De Ungria MCA**. 2011. Effect of microbial nucleases on the quantity and quality of DNA for forensic DNA typing. 3<sup>rd</sup> Asian Forensic Sciences Network and Annual Meeting & Symposium. Seoul, South Korea, 25-27 May.
- Salvador JM, Calacal GC, Rivera WL and **De Ungria MCA**. 2011. Identification of DNase-producing bacteria in exhumed bones and their effect on human DNA typing. 6<sup>th</sup> Asia-

- Pacific Biotechnology Congress and 40<sup>th</sup> PSM Annual Convention and Scientific Meeting with the theme "Rising to the challenges of our times." Philippine International Convention Centre, Philippines, 10-14 May.
- Salvador JM, Calacal GC, Rivera WL and **De Ungria MCA**. 2010. DNase-producing bacteria in exhumed bones: Implications to human DNA typing. 10<sup>th</sup> Convention of the Indo-Pacific Association of Law, Medicine, and Science. Amity University, New Delhi, India, 25-30 October.
- Calacal GC and **De Ungria MCA**. 2010. Estimation and characterization of filamentous fungi from exhumed skeletal remains of fire victims. Annual Meeting of the Asian Forensic Science Network. Brunei Darussalam, 1-3 June.
- De Ungria MCA** and Jose JM. 2010. Revolutionizing Philippine policies using DNA technology. Annual Meeting of the Asian Forensic Science Network. Brunei Darussalam, 1-3 June.
- Otero MCB, Calacal GC, Maiquilla SMB, Franco SAEL, Salvador JM, Ferrer DEC and **De Ungria MCA**. 2010. Internal validation of the AmpFISTR® MiniFiler™ PCR amplification kit for analyzing casework samples. Annual Meeting of the Asian Forensic Science Network. Brunei Darussalam, 1-3 June.
- Salvador JM, Calacal GC, Sagum MS, Maiquilla SMB, Franco SAEL, Otero MCB, Dalet MRM and **De Ungria MCA**. 2010. Utility of mitochondrial DNA analysis in establishing maternal relationships: case reports. Annual Meeting of the Asian Forensic Science Network. Brunei Darussalam, 1-3 June.
- Delfin FC, Salvador JM, Calacal GC, Perdigon HB, Tabbada KA, Villamor LP, Halos SC, Gunnarsdóttir E, Myles S, Hughes DA, Xu S, Jin L, Lao O, Kayser M, Hurler ME, Stoneking M and **De Ungria MCA**. 2009. Y-chromosome genetic diversity of Filipino Negrito and non-Negrito groups. 4<sup>th</sup> International Conference of the series DNA Polymorphisms in Human Populations: Molecular Anthropology in the Genomic Era. Rome, Italy, 3-5 December.
- Calacal GC, Salvador JM, Franco SAEL, Maiquilla SMB, Otero MCB, Tabbada KA and **De Ungria MCA**. 2009. Autosomal STR and mtDNA sequencing of embalmed remains using toe bones as the DNA source. International Symposium on Forensic and Environmental Health. Putra World Trade Centre, Kuala Lumpur, Malaysia, 10-11 November.
- Maiquilla SMB, Salvador JM, Calacal GC, Franco SAEL, Sagum MS, Dalet MRM, Delfin FC, Tabbada KA, Perdigon HB and **De Ungria MCA**. 2009. Y-STR DNA analysis of vaginal swab samples from child victims of sexual assault. International Symposium on Forensic and Environmental Health. Putra World Trade Centre, Kuala Lumpur, Malaysia, 10-11 November. Best Poster Award.
- Otero MCB and **De Ungria MCA**. 2009. Validation of molecular methods for DNA analysis of pork and pork products. International Symposium on Forensic and Environmental Health. Putra World Trade Centre, Kuala Lumpur, Malaysia, 10-11 November.
- Sagum MS, Franco SAEL, Calacal GC, Salvador JM, Maiquilla SMB, Otero MCB, and **De Ungria MCA**. 2009. Case report: Formalin-fixed paraffin-embedded tissues, which one is mine? International Symposium on Forensic and Environmental Health. Putra World Trade Centre, Kuala Lumpur, Malaysia, 10-11 November.
- Maiquilla SMB, Salvador JM, Calacal GC, Franco SAEL, Sagum MS, Dalet MRM, Delfin FC, Tabbada KA, Perdigon HB and **De Ungria MCA**. 2009. Y Short Tandem Repeat DNA typing

- in evaluating sexual abuse of young females. International Convention Centre, Durban, South Africa, 20-23 October.
- Franco SAEL, Calacal GC, Salvador JM, Maiquilla SMB, Otero MCB and **De Ungria MCA**. 2009. Evaluation of different DNA extraction procedures of formalin-fixed paraffin-embedded tissue for human identification. 29<sup>th</sup> Annual Philippine-American Academy of Science and Engineering Meeting and Symposium. Ateneo de Manila University, Loyola Heights, Quezon City Philippines. 13-15 July.
- Calacal GC, Salvador JM, Franco SAEL, Tabbada KA, Otero MCB, and **De Ungria MCA**. 2008. DNA analysis procedures for human remains identification. International DNA Symposium: Towards International Quality organized by the Faculty of Medicine, Ramathibodi Hospital, Mahidol University. Pullman Resort and Hotel, Bangkok, Thailand, 10-11 November. Best Poster Award.
- Maiquilla SMB, Salvador JM, Calacal GC, Delfin FC, Perdigon HB, Tabbada KA and **De Ungria MCA**. 2008. Expansion of the Philippine autosomal Short Tandem Repeat reference database for forensic application. International DNA Symposium: Towards International Quality organized by the Faculty of Medicine, Ramathibodi Hospital, Mahidol University. Pullman Resort and Hotel, Bangkok, Thailand, 10-11 November. Best Poster Award [Third Prize].
- Otero MCB, Bautista RLP, Calacal GC and **De Ungria MCA**. 2008. Validation of procedures for DNA Analysis of pork and pork meat. International DNA Symposium: Towards International Quality organized by the Faculty of Medicine, Ramathibodi Hospital, Mahidol University. Pullman Resort and Hotel, Bangkok, Thailand, 10-11 November.
- Sagum MS, Calacal GC, Salvador JM, Maiquilla SMB, Franco SAEL, Tabbada KA, Dalet MRM and **De Ungria MCA**. 2008. Casework application of Y-chromosomal Short Tandem Repeat (Y-STR) analysis. International DNA Symposium: Towards International Quality organized by the Faculty of Medicine, Ramathibodi Hospital, Mahidol University. Pullman Resort and Hotel, Bangkok, Thailand, 10-11 November.
- Salvador JM, Calacal GC, Maiquilla SMB, Bautista RLP and **De Ungria MCA**. 2008. Evaluation of Powerplex<sup>®</sup> 16 multiplex system for analysis of mixed samples. International DNA Symposium: Towards International Quality organized by the Faculty of Medicine, Ramathibodi Hospital, Mahidol University. Pullman Resort and Hotel, Bangkok, Thailand, 10-11 November.
- Calacal GC, Salvador JM, Franco SAEL and **De Ungria MCA**. 2008. Comparison of DNA extraction procedures for human bone identification. 19<sup>th</sup> International Symposium on Human Identification. Renaissance Hotel, Hollywood, USA, 14-16 October.
- Delfin FC, **De Ungria MCA**, Salvador JM, Calacal GC, Perdigon HB, Tabbada KA, Villamor LP, Halos SC2, Xu S, Jin L, Gunnarsdottir E, Kayser M, Stoneking M and Hurles ME. 2008. Y-chromosome genetic affinities of nine Filipino ethnolinguistic groups. Annual Meeting of the Society for Molecular Biology and Evolution. Barcelona, Spain, 5-8 June.
- Calacal GC, Salvador JM, Franco SEL and **De Ungria MCA**. 2008. Validation of procedures in forensic DNA analysis of exhumed human remains for identification purposes. 7<sup>th</sup> Human Genome Organization (HUGO) –Pacific Meeting and the 8<sup>th</sup> Asia Pacific Conference on Human Genetics, with the theme "Genomics for Better Health in the Asia Pacific." Shangri-la Mactan Hotel, Cebu City, Philippines, 2-5 April.

- Delfin FC, Calacal GC, Tabbada KA, Salvador JM, Perdigon HB, Villamor LP, Halos SC, Gunnarsdotir E, Stoneking M and **De Ungria MCA**. 2008. Autosomal Short Tandem Repeat Variation in Philippine Populations: The Utility of Forensic Autosomal STRs for Preliminary Analyses in Human Genetic History Studies. Joint 7<sup>th</sup> Human Genome Organization (HUGO) – Pacific Meeting and the 8<sup>th</sup> Asia-Pacific Conference on Human Genetics with the theme “Genomics for Better Health in the Asia-Pacific.” Shangri-La, Mactan Island, Cebu, Philippines, 2-5 April.
- Salvador JM, **De Ungria MCA**, Sanchez JJ and Schneider PM. 2008. Population data for 52 autosomal SNP markers in three Philippine urban population samples. 7<sup>th</sup> Human Genome Organization (HUGO) –Pacific Meeting and the 8<sup>th</sup> Asia Pacific Conference on Human Genetics, with the theme "Genomics for Better Health in the Asia Pacific." Shangri-la Mactan Hotel, Cebu City, Philippines, 2-5 April.
- Tabbada KA and **De Ungria MCA**. 2008. Forensic utility of typing short sequences within mitochondrial DNA hypervariable regions I and II. 7<sup>th</sup> Human Genome Organization (HUGO) –Pacific Meeting and the 8<sup>th</sup> Asia Pacific Conference on Human Genetics, with the theme "Genomics for Better Health in the Asia Pacific." Shangri-la Mactan Hotel, Cebu City, Philippines, 2-5 April.
- Calacal GC, Franco SL, Salvador JM and **De Ungria MCA**. 2007. Validation of DNA extraction procedures from exhumed bone samples and application in forensic STR DNA typing. International DNA Symposium with the theme "Forensic DNA: Now and Beyond." Kuala Lumpur, Malaysia, 12-13 November.
- Dalet MM, Calacal GC, Delfin FC, Sagum MS, Madrid BJ, Tan M, Salvador JM, Tabbada KA, Perdigon HB, Villamor LP, Halos SC and **De Ungria MCA**. 2007. An efficient, cost-effective strategy for collecting, transporting, and analyzing sexual assault DNA evidence. International DNA Symposium with the theme "Forensic DNA: Now and Beyond." Kuala Lumpur, Malaysia, 12-13 November. Best Poster Award.
- Sagum MS, Dalet MM, Calacal GC, Delfin FC, Salvador JM, Tabbada KA, Villamor LP, Perdigon HB and **De Ungria MCA**. 2007. Paternity Testing at the UPD-NSRI DNA Analysis Laboratory, Philippines. International DNA Symposium with the theme "Forensic DNA: Now and Beyond." Kuala Lumpur, Malaysia, 12-13 November.
- Salvador JM, Calacal GC, Delfin FC, Perdigon HB, Tabbada KA and **De Ungria MCA**. 2007. Expansion of the Philippine Y-STR DNA haplotype database. International DNA Symposium with the theme "Forensic DNA: Now and Beyond." Kuala Lumpur, Malaysia, 12-13 November.
- De Ungria MCA**, Calacal GC, Salvador JM, Delfin FC, Sagum MS, Dalet MRM, Madrid BJ Tan M, Tabbada KA, Perdigon HB, Villamor LP and Halos SC. 2007. Utility of DNA evidence in evaluating the presence of male DNA in child victims of sexual abuse. VIIth Asian Regional Conference of the International Society for Prevention of Child Abuse and Neglect. Sofitel Philippine Plaza, Manila. 23-25 September 2007.
- De Ungria MCA**. 2005. Forensic DNA Analysis in the Philippines. Proceeding of the 3<sup>rd</sup> General Assembly and International Conference on “Women’s Impact on Science and Technology in the New Millenium.” Bangalore, India 21-25 November.
- Delfin FC, Calacal GC, Madrid BJ, Tan MP, Salvador JM, Dalet MRM, Sagum MS, Perdigon HB, Halos SC and **De Ungria MCA**. Pilot testing an evidence management system to

incorporate DNA evidence in sexual assault cases in the Philippines. 8<sup>th</sup> Indo-Pacific Congress on Legal Medicine and Forensic Sciences. Manila Hotel, Manila, Philippines, 19-24 September.

Sagum MS, Dalet MM, Pineda P, Cruz C, Jumadla C, Yabut N, Maglangue A, Acosta A, Lajara H, and **De Ungria MCA**. 2004. Post-Conviction DNA testing in the Philippines. 8<sup>th</sup> Indo-Pacific Congress on Legal Medicine and Forensic Sciences. Manila Hotel, Manila, Philippines, 19-24 September.

Tabbada KA, Salvador JM, Hernandez KN, Pagaduan LV, and **De Ungria MCA**. 2004. Philippine Database at Three COmbined DNA Index System (CODIS) Short Tandem Repeat Loci. 2005. 8<sup>th</sup> Indo-Pacific Congress on Legal Medicine and Forensic Sciences. Manila Hotel, Manila, Philippines, 19-24 September.

Delfin FC, Madrid BJ and **De Ungria MCA**. 2003. Y-STR analysis in child sexual abuse cases in the Philippines. 14<sup>th</sup> International Conference on Human Identification. Phoenix, Arizona, USA, 16 October.

Tabbada KA, **De Ungria MCA**, Faustino LP, Stradmann-Bellinghausen B and Schneider PM. 2003. Philippine and German population databases generated using an X-chromosomal short tandem repeat (X-STR) pentaplex. 20<sup>th</sup> International Congress of the International Society for Forensic Genetics. Palais des Congrès d'Arcachon, Arcachon, France, 9-13 September.

Tan MM, Calacal GC, Delfin FC, Tabbada KA, Tan MP, Ferreon JC, Perdigon HB, Halos SC and **De Ungria MCA**. 2003. Genetic comparison of the 15 regional populations in the Philippines. 3<sup>rd</sup> European-American School in Forensic Genetics. Hotel Opera, Zagreb, Croatia, 1-5 September.

**De Ungria MCA**, Calacal GC, Delfin FC Lara MC, Magtanong D and Fortun RdR. 2001. DNA typing of umbilical tissues to identify the remains of a fire victim. 7<sup>th</sup> Indo-Pacific Congress on Legal Medicine and Forensic Science. Hilton on the Park, Melbourne, Australia, 16-21 September.

**De Ungria MCA**, Calacal GC, Tabbada KA and Halos SC. 1999. Extraction and PCR amplification of DNA from human bloodstains on different textiles and Philippine woods. 18<sup>th</sup> International Congress on Forensic Haematogenetics. San Francisco, USA.

- **Local Conferences/Meetings**

**De Ungria MCA** and Jimenez EB. 2023. "Strengthening Research Involving Human Participants through the Ethical Review of Protocols", during the 2023 Conference-Workshop on Indigenous Languages and the Sustainable Development Goals: Carrying Out the Global Action Plan and the 2030 Agenda, University of the Philippines Visayas, Iloilo City, 21-24 February (oral presentation).

Cuales JMD, Rodriguez JJRB, Herrera MJB, Bangahan FB, Zubiri LAM, Muallil RN, Ishmael AI and **De Ungria MCA**. 2023. "Field experiences in conducting population genetic research in Zamboanga City and the Sulu Archipelago", during the 2023 Conference-Workshop on Indigenous Languages and the Sustainable Development Goals: Carrying Out the Global Action Plan and the 2030 Agenda, University of the Philippines Visayas, Iloilo City, 21-24 February.

- Salvador JM, Sosing MV, Estrella CS, Calacal GC and **De Ungria MCA**. 2022. "Evaluating the Effectiveness of MiSeq Forensic Genomics System for Kinship Analysis", during the 49th Annual Convention of the Philippine Society for Biotechnology and Molecular Biology, with the theme "Bringing Lasting Applications to Society Through Biochemistry and Molecular Biology," Central Mindanao University, Bukidnon, 23-26 November. 2nd Place, Best Poster in Biochemistry, Bioinformatics, and Computational Biology.
- Manalaysay JB, Jarilla JZF, Sales PRL, and **De Ungria MCA**. 2022. "Examining Performance and Likelihood Ratios for Three Probabilistic Genotyping Software using Simulated DNA Mixtures," during the 49th Annual Convention of the Philippine Society for Biotechnology and Molecular Biology, with the theme "Bringing Lasting Applications to Society Through Biochemistry and Molecular Biology", Central Mindanao University, Bukidnon, 23-26 November.
- Cuales JMD, Rodriguez JJRB, and **De Ungria MCA**. 2022. "Ethics of Population Genetic Research among Philippine Indigenous Peoples: Challenges and Recommendations", during the 49th Annual Convention of the Philippine Society for Biotechnology and Molecular Biology, with the theme "Bringing Lasting Applications to Society Through Biochemistry and Molecular Biology", Central Mindanao University, Bukidnon, 23-26 November.
- Rodriguez JJRB, Cuales JMD, Stoneking M, and **De Ungria MCA**. 2022. "Field Expedition in Maritime Communities: Reconstructing the Population Genetic History of the Sulu Archipelago", during the 26<sup>th</sup> Foundation Anniversary of the DNA Analysis Laboratory and the Inauguration of the Filipino Genomes Research, with the theme 'Science in the Service of the Filipino People', University of the Philippines, Diliman 15 July.
- Herrera MJB, Bangahan FB, Cuales JMD, Rodriguez JJRB, and **De Ungria MCA**. 2022. "Chicken Across the Sea: Testing Hypothesis on Sama Origins and Dispersal Using Mitochondrial Genomes Research, with the theme 'Science in the Service of the Filipino People', DNA", during the 26<sup>th</sup> Foundation Anniversary of the DNA Analysis Laboratory and the Inauguration of the Filipino Genomes Research, with the theme 'Science in the Service of the Filipino People,' University of the Philippines, Diliman 15 July.
- Sales PRL, Jarilla JZF, Manalaysay JB, Santos JM and **De Ungria MCA**. 2022. "Filipino Genome Regions to Help Resolve Child Sexual Abuse Cases", during the 26<sup>th</sup> Foundation Anniversary of the DNA Analysis Laboratory and the Inauguration of the Filipino University of the Philippines, Diliman 15 July.
- Jarilla JZF, Manalaysay JB, Santos JM, Sales PRL and **De Ungria MCA**. 2022. "Analysis of DNA Mixture using Probabilistic Genotyping Software", during the 26<sup>th</sup> Foundation Anniversary of the DNA Analysis Laboratory and the Inauguration of the Filipino Genomes Research, with the theme 'Science in the Service of the Filipino People', University of the Philippines, Diliman 15 July.
- Manalaysay JB, Jarilla JZF, Sales PRL, Santos JM and **De Ungria MCA**. 2022. "Filipino Genome Regions for DNA Testing of Samples in Sexual Assault Investigations", during the 26<sup>th</sup> Foundation Anniversary of the DNA Analysis Laboratory and the Inauguration of the Filipino Genomes Research, with the theme 'Science in the Service of the Filipino People', University of the Philippines, Diliman 15 July.

- Cuales JMD, Rodriguez JRB and **De Ungria MCA**. 2021. "Field Expeditions in Maritime Communities: Reconstructing the Population Genetic History of the Sulu Archipelago", during the 55<sup>th</sup> BIOTA Philippines National Convention and Scientific Sessions with the theme 'Interactive and Collaborative Biology During the COVID-19 Pandemic and Beyond', held via ZOOM, 22-24 April. Best Poster Award (Biodiversity Category).
- Rodriguez JRB, Herrera MJB, Zubiri LAM, Quiling MS, Ishmael AI, Cuales JMD, Joe AM, Biste MA, Hassan AJ and **De Ungria MCA**. 2019. "Reconstructing Sama Origins and Transformations through Genes, Languages, and Cultures," during the 8<sup>th</sup> Annual Environmental Science Conference held at the Mindanao State University – Tawi-Tawi College of Technology and Oceanography, Bongao Tawi-Tawi, 19-21 September.
- Dalet MRM, Sagum MS, Calacal GC, Salvador JM, Delfin FC, Sales PRL, Sagum ARP, Soliven NJA and **De Ungria MCA**. 2015. Increasing the relevance of forensic DNA analysis in the Philippine legal justice system. The First Colleges and Universities Public Services Conference with the theme "From the Ivory Tower to the Communities: Engaging Society with Commitment and Expertise," held at the UP Open University, Laguna, 26-27 November.
- Rodriguez JRB, Salvador JM, Calacal GC, Laude RP and **De Ungria MCA**. 2014. Formulating an Integrated System of Forensic DNA Testing for Sexual Assault Evidence in the Philippines. The 14<sup>th</sup> National Genetics Symposium, "Genomics in Agriculture and Health for a Better Philippines." Southeast Asian Fisheries Development Centre (SEAFDEC), Tigbauan, Iloilo on November 27-29.
- Sagum ARP, Calacal GC, Apaga DLT, Dalet MRM, Dennis SME and **De Ungria MCA**. 2015. Bone DNA workshop for human remains identification. The First Colleges and Universities Public Services Conference with the theme "From the Ivory Tower to the Communities: Engaging Society with Commitment and Expertise," held at the UP Open University, Laguna, 26-27 November.
- Rodriguez JRB, Salvador JM, Calacal GC, Laude RP and **De Ungria MCA**. 2014. The establishment of a Philippine population DNA database at 23 autosomal Short Tandem Repeat markers for forensic applications. The 7<sup>th</sup> UPLB CAS Student-Faculty Research Conference. CAS Auditorium, UP Los Baños, Laguna, 7 November.
- Apaga DLT, Calacal GCC, Dalet MRM, Honrado MLD and **De Ungria MCA**. 2014. Quantitative assays of DNA samples in the presence of PCR inhibitors. 36<sup>th</sup> National Academy of Science and Technology Convention. Philippine International Convention Centre, Manila, 9-10 July.
- Carandang LCDL, Salvador JM, Calacal GC and **De Ungria MCA**. 2014. Reconstruction of Jose Rizal's maternal genealogy using mitochondrial lineage markers. 36<sup>th</sup> National Academy of Science and Technology Convention. Philippine International Convention Centre, Manila, 9-10 July.
- Espigar ARM, Delfin FC, Guia-Padilla M, Salvador JM, **De Ungria, MCA** and Mijares, ASB. 2014. Adopting an iterative strategy in Population Genetics Research involving indigenous peoples (IPs)/ indigenous cultural communities (ICCs). 36<sup>th</sup> National Academy of Science and Technology Convention. Philippine International Convention Centre, Manila, 9-10 July.

- Ferrer DEC, Calacal GC, Salvador JM, Otero MCB and **De Ungria MCA**. 2010 Validation of Extraction Methods for Human DNA from Cigarette Butts. 37<sup>th</sup> Annual Philippine Society for Biochemistry and Molecular Biology Conference, Century Park Hotel, Manila 2-3 December.
- Otero MCB, Calacal GC, Salvador JM, Ferrer DEC, and **De Ungria MCA**. 2010. Direct PCR Amplification of Blood and Buccal Samples for Forensic DNA databasing. 37<sup>th</sup> Annual Conference of the Philippine Society for Biochemistry and Molecular Biology, Century Park Hotel, Manila 2-3 December
- Salvador JM, Calacal GC, Maiquilla SMB, Franco SAEL, Otero MCB, Dalet MRM, Sagum M and **De Ungria MCA**. 2009. Human identification using DNA-based methods: a case report. 3rd National Bioinformatics Conference and Convention of the NIMBUS, Inc. NIDO-Fortified Science Discovery Centre, Mall of Asia, Pasay City. 27 November 2009.
- Otero MCB, Bautista RLP, Calacal GC and **De Ungria MCA**. 2008. Validation of molecular methods for DNA analysis of pork and pork products. 45<sup>th</sup> Philippine Society for Animal Science Annual Scientific Seminar and Convention. Philippine Carabao Centre, National Headquarters and Gene Pool Science of Munoz Nueva Ecija, 24 October.
- Calacal GC, Salvador JM, Tabbada KA, Franco SAEL and **De Ungria MCA**. 2008. Validation of mitochondrial DNA typing of human bone samples for forensic applications. 30<sup>th</sup> Annual Scientific Meeting of the National Academy of Science and Technology. Manila Hotel, Manila, 9-10 July.
- Dalet MRM, Sagum MS, Calacal GC, Salvador JM, Tabbada KA, Villamor LP, Franco SAEL, Maiquilla SMB and **De Ungria MCA**. 2008. Comparative study of the utility of ABO blood typing vs. DNA analysis for paternity testing. 30<sup>th</sup> Annual Scientific Meeting of the National Academy of Science and Technology. Manila Hotel, Manila, 9-10 July.
- Otero MCB, Bautista RL, Calacal GC and **De Ungria MCA**. 2007. Validation of extraction procedures for DNA analysis of meat. 34<sup>th</sup> Annual Convention of the Philippine Society for Biotechnology and Molecular Biology. Philippine Rice Research Institute, Laguna, 29-30 November.
- De Ungria MCA**, Delfin FC, Calacal GC, Tabbada KA, Tan MM, Salvador JM, Perdigon HB, Halos SC, Roewer L, Hammer MF and Hurlles ME. 2006. Genetic studies of selected Philippine populations. 9<sup>th</sup> Philippine Linguistics Congress. UP NISMED, Quezon City, 25-26 January.
- Perdigon HB, Porras RN, Calacal GC, Villanueva J and **De Ungria MCA**. 2005. DNA isolation and chemical analysis of two-year-old bloodstains on Philippine woods for forensic applications. 32<sup>nd</sup> Annual Meeting of the Philippine Society for Molecular Biology and Biotechnology with the theme "Biochemistry of Wellness: Behind the Hype". Ateneo de Manila University, Diliman, Quezon City, 1-2 December. Best Poster Award [Second Prize]
- Payawan LM, Santos G, Ponce C, de la Santa A, **De Ungria MCA**, Goh MC. 2005. New Synthetic Routes and DNA-binding property of Ag Nanoparticles. 25<sup>th</sup> Annual Philippine-American Academy of Science and Engineering Meeting and Symposium. Cebu City, 24-26 June.
- Tan MM, Calacal GC, Delfin FC, Tabbada KA, Tan MP, Ferreon JC, Perdigon HB, Halos SC and **De Ungria MCA**. 2004. Population data of 15 Philippine regional Centres at five STR markers: A look into our genetic history. 26<sup>th</sup> Annual Scientific Meeting of the National Academy of Science and Technology. Manila Hotel, Manila, 14-15 July.



- Calacal GC and **De Ungria MCA**. 2004. Fungal DNA challenge in forensic DNA typing of bone samples. 33<sup>rd</sup> Annual Convention and Scientific Meeting of the Philippine Society for Microbiology with the theme "Microbiology and Biotechnology: Evolving Trends and Times". Manila Hotel, Manila, April 28-30.
- Tuazon OM, **De Ungria MCA**, Barraquio WL and Versalovic J. 2003. Development of a temperature modulated heteroduplex assay using denaturing high-performance liquid chromatography to detect macrolide resistance mutations in *Helicobacter pylori*. Philippine Society for Biochemistry and Molecular Biology. Best Poster Award (Health)
- Perdigon HB, Calacal GC and **De Ungria MCA**. 2002. A novel method for extracting PCR-amplifiable DNA from blood-stained denim. 35<sup>th</sup> Congress of the Philippine Society for Molecular Biology and Biotechnology, SEARCA auditorium, Laguna, 5-6 December
- Salvador JM and **De Ungria MCA**. 2002. Isolation of DNA from the saliva of betel quid chewers using Treated Cards. 29<sup>th</sup> Congress of the Philippine Society for Molecular Biology and Biotechnology. SEARCA auditorium, Laguna, 5-6 December
- Tuazon O, Barraquio W, **De Ungria MCA**, and Versalovic J. 2002. A Semi-Nested Allele-Specific PCR (SN-PCR) for rapid detection of Clarithromycin Resistance in *Helicobacter pylori*. Philippine Society for Microbiology Inc. Best Poster Award
- Delfin FC, Magno MMF, Calacal GC, Tabbada KA, Tan MMF, Magno NF, Halos SC and **De Ungria MCA**. 2001. Genetic variation among human tribal populations in the Cordillera Administrative Region. 7<sup>th</sup> Conference of the Philippine Association for the Advancement of Science Inc. Manila Hotel, Manila, 13-15 September
- Delfin FC, Calacal GC, Halos SC and **De Ungria MCA**. 2001. The Y chromosome Short Tandem Repeats (STR) for forensic DNA analysis. 23<sup>rd</sup> Annual Scientific Meeting of the National Academy of Science and Technology. Manila Hotel, Manila, 11-12 July.
- Tabbada KA, Magno MMF, **De Ungria MCA** and Halos SC. 2001. Philippine population database at STR locus FGA for forensic applications. 23<sup>rd</sup> Annual Scientific Meeting of the National Academy of Science and Technology. Manila Hotel, Manila, 11-12 July.
- Delfin FC, Calacal GC, Halos SC and **De Ungria MCA**. 2001. Y chromosome Short Tandem Repeats (STR) Validation studies for forensic applications. 17<sup>th</sup> Philippine Chemistry Congress. Cagayan de Oro City, Misamis Oriental, 23-25 May.
- De Ungria MCA**, Magno MMF, Calacal GC, Delfin FC, Tabbada KA and Halos SC. 2000. Philippine genetic databases at seven microsatellite loci for DNA-based paternity testing. NIMBB DOST-JSPS Symposium on "Current trends in Molecular Biology." Institute of Small-Scale Industries, UP Diliman, Quezon City, 27-28 January.
- Magno MMF, Chu J, **De Ungria MCA** and Halos SC. 2000. Statistical study on the four regional genetic databases of Luzon for forensic applications. NIMBB DOST-JSPS Symposium on "Current trends in Molecular Biology." Institute of Small-Scale Industries, UP Diliman, Quezon City, 27-28 January.
- Calacal GC, **De Ungria MCA** and Halos SC. 1999. Differential DNA extraction from vaginal swabs for forensic applications. 21<sup>st</sup> Annual Meeting of the National Academy of Science and Technology. Manila Hotel, Manila, 7 July.

## ■ SEMINARS/TRAINING

\*Participated in >175 short and long-term training programs after obtaining her Doctor of Philosophy in 1999.

### ● Research Fellowship

Collaborative research with Dr. Shuhua Xu at the Chinese Academy of Sciences- Max Planck Group Partner Institute for Computational Biology, Shanghai Institutes for Biological Sciences, Shanghai, China, 5 April to 4 September 2018

Collaborative research with Dr. Jose Lorente at the University of Granada, Granada, Spain, 11 October to 10 November 2011

Collaborative research with Dr. Li Jin and Dr. Shuhua Xu at the Chinese Academy of Sciences- Max Planck Group Partner Institute for Computational Biology, Shanghai Institutes for Biological Sciences, Shanghai, China, 18 May to 13 June 2007

Collaborative research with Dr. Mark Seielstad at the Genome Institute of Singapore, Singapore 3 April to 31 May 2006

Collaborative research with Dr. Matthew Hurles at the Sanger Institute, Wellcome Trust Genome Campus, Cambridge, UK, 1 May to 30 September 30, 2004

Collaborative research with Dr. Michael Purugganan at the North Carolina State University, Raleigh, North Carolina, USA, 28 May to 18 June 2001

### ● Attendance in International Seminars/Training<sup>1</sup>

Webinar on “The Promise and Perils of Social and Behavioural Genomics”, organized by the National Human Genome Research Institute, 25 January 2023.

Webinar on “Bringing You Back to Basics of Mixture Interpretation and Forensic Quality Standards” organized by ThermoFisher and HID University, with Michael Coble and Anna Davey as lecturers, 25 October 2022.

Webinar on “Enhancing Conviction Integrity through Forensics Year 3 Regional Training”, organized by the Sexual Assault Kit Initiative, 20 September 2022.

Webinar on “Reproducibility, Replicability, and Trust in Science 2022” organized by the Wellcome Connecting Science, Cambridge, UK, 7-9 September 2022.

Summer Course in Analysis of High Throughput Data for Population Genetics (course no. 5081-22-01-31) organized by the Department of Biology and Globe Institute, University of Copenhagen, Denmark, 22-26 August 2022.

Conference on “Indigenous communities, 'vulnerability' and the COVID-19 pandemic” hosted by the Global Health Network, 20 June 2022

Webinar on “Indigenous communities, 'vulnerability,' and the COVID-19 pandemic” hosted by the Global Health Network, 20 June 2022

Statistical Thinking for Forensic Practitioners Short Course hosted by the Center for Statistics and Applications in Forensic Evidence, Session 2, Iowa State University, 10 June 2022

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<sup>1</sup> Webinar is an interactive presentation , lecture or seminar that is transmitted via the world wide web which happens in real time.

Statistical Thinking for Forensic Practitioners Short Course hosted by the Center for Statistics and Applications in Forensic Evidence, Session 1, Iowa State University, 3 June 2022

Virtual Symposium of the International Society for Human Genetics, 30-31 March 2022

Webinar on the “Enhancing Conviction Integrity through Forensics Webinar- Achieving Justice at Trial: Direct Examination of Victims of Violent Crimes” organized by the Sexual Assault Kit Initiative, 23 March 2022

Webinar on the “Indigenous People and the Canadian Research Ecosystem” organized by Genome Canada and Global Alliance for Genomics and Health, 6 December 2021

Virtual Open Forum Event on “Strengthening global research with biospecimens in an ethical and socially responsible way” organized by ISBER, 4 December 2021

Webinar on “The Meaning of Eugenics: Historical and Present- Day Discussions of Eugenics and Scientific Racism” organized by US National Institute of Health, 3 December 2021

Webinar on “Biodiversity Genomics in the Pacific Rim: Challenges and Future Opportunities” organized by the Association of Pacific Rim Universities, 30 November 2021

Webinar on “Human Evolution: From Fossils to Ancient and Modern Genomes” organized by Wellcome Connecting Science, 2-4 November 2021

Webinar of the 7<sup>th</sup> International Conference CSI Korea 2021, 20 October 2021

Webinar on “Reporting Probabilistic Genotyping in Court – Lessons from the Stand” by Dr. Michael Coble, Dr. Duncan Taylor, Stuart Cooper, and Helen Roebuck, HID University, 15 October 2021

Webinar with the theme “Forensic Science amid a Pandemic: Challenges, Lessons, and Best Practices” for the Asian Forensic Science Network Annual Meeting, 12-15 October 2021

Webinar on “Strengthening global research with biospecimens in an ethical and socially responsible way” organized by Biospecimen Open Forum, 3 October 2021

Webinar on “20 Years of the Human Genome: From Sequence to Substance” for the Cell Symposia Express, 23 September 2021

Webinar on “Returning Ancestry and Health Data” by Drs. Katherine Blizinsky and Subhashni Chandrasekharan, National Institute of Health All of Us Program, 22 September 2021

Webinar on “Colonialism and Bioarchaeology” by Drs. Krystal Tsosie and Robyn Humphreys, Paleopathology Association (PPA), 22 September 2021

Webinar on “Probabilistic Genotyping Workshop” by Dr. Michael Coble, Human Identification (HID) University, 21 September 2021

Webinar with the theme “Let Your Curiosity Soar” of the 32<sup>nd</sup> International Symposium on Human Identification, Orlando, Florida, USA, 13-16 September 2021

Webinar on “Harnessing International Collaborations and Engagement of Stakeholders to Maximize Health Research Impact, 14<sup>th</sup> Philippine National Health Research System Celebration with the theme “Health R and D in the New Normal: Moving Towards Universal Health Care”, 12 August 2021

Webinar with the theme entitled “Our Origins: Celebrating the 150<sup>th</sup> Anniversary of the Descent of Man” for the Ecology and Evolution Series of the University of Adelaide, 6 August 2021

Webinar entitled “Advanced DNA Mixture Interpretation” by Dr. Peter Gill, Dr. Corina Benschop, and Dr. Oyvind Bleka, International Society for Forensic Genetics Summer School Virtual Edition, 22-23 July 2021

Webinar on “MPS Bioinformatics 101: Exploring MPS Data Analysis using the StraitRazor Suite and FDSTools by Dr. Jonathan King and Dr. Jerry Hoogenboom, International Society for Forensic Genetics Summer School Virtual Edition, 20-21 July 2021

Webinar on “A Report on the Economic Impact of Human Genetics and Genomic Research” by Dr. Simon Tripp, American Society of Human Genetics, 1 June 2021

Webinar on “Conference Skills for Researchers” by Ms. Taraka Dale, Researcher Academy, Elsevier, 13 March 2021

Webinar for the Annual General Meeting and Symposium of the Asian Forensic Science Network, 2-3 December 2020

Webinar on “Kick off your academic year with the Web of Science essential tools for researchers” by Ms. Rachel Mangan organized by Clarivate, 29 September 2020

Webinar on “Saving and Exporting from Web of Science” by Mr. Bob Greene organized by Clarivate, September 2020

Webinar on “Reimagining Human Identification: The Verogen Commitment to Continuity and Change” by Mr. Brett Williams and Ms. Nicola Oldroyd Clark organized by Verogen, 23 September 2020

Webinar on “Five Strategies for Online Teaching” by Dr. Pragna Rao, Elsevier Live Educators Edition, 23 September 2020

Webinar on “Using the microbiome to unlock the secrets of forensic evidence: classification of the body source of human traces” by Ms. Celia Diez-Lopez, QiaWebinars organized by Qiagen, 22 September 2020

Webinars on “Arguing the Case for DNA Evidence Based on Probabilistic Genotyping,” “Validation Principles: Practices, Parameters, Performance Evaluations, and Protocols,” and “Forensic Genealogy and its Application in Solving Cold Cases,” 31<sup>st</sup> International Symposium on Human Identification, 14-17 September 2020

Webinar on “Training Standards Overview” by Ms. Kim Murga and Ms. Beth Ordeman, Promega Inc, 9 September 2020

Webinar on “To NanoDrop or Not to NanoDrop” by Dr. Doug Wieczorek organized by Promega Inc, 9 September 2020

Webinar on “The Ethics of Research in Practice” organized by the Division of Humanities of the National Research Council of the Philippines, 2 September 2020

Webinar on “Probabilistic Genotyping Unpacked: The Future of DNA Mixture Interpretation” by Dr. Michael Coble, Human Identification University, 27 August 2020

Webinar on “Your Essential Guide to Literature Reviews” by Bob Green of Clarivate Analysis, 29 July 2020

Webinar on “Finding the Right Tool for the Job: CE Tools that Improve Efficiency and Save Time” by the Human Identification University, 16 July 2020

Webinar on “Investigative Leads using the Precision ID NGS System” by Dr. Samuel Booth organized by the Human Identification University, 8 July 2020

Webinar on “When Communities Engage- Tools for Community Participation in Heritage,” organized by the International Council on Monuments and Sites Philippines, 7 July 2020

Webinar on “Partnership in Criminal Justice” organized by the Human Identification University, 25 June 2020

Webinar on “Using DNA To Trace Human Origins and Migration” by Dr. Miguel Vilar organized by the US Natural History Museum as part of the Human Origins Hot Topics series, 17 June 2020

Webinar on “INTERPOL Biometrics Training Webinar” organized by the Capacity Building and Training Directorate, International Criminal Police Organization, 20 May 2020

Webinar on “INTERPOL Project Sunbird” organized by the International Criminal Police Organization, 29 April 2020 and 20 May 2020

Webinar on “Impact on different STR kits with software improvements” organized by the APJ HID U Webinar, 20 May 2020

Webinar on “The Evolutionary Origin(s) and Spread of Rice” by Dr. Michael Purugganan, 16 May 2020

Webinar on the INTERPOL Project SUNBIRD held virtually, 29 April 2020

International Conference on “*Homo luzonensis* and the Hominin Record of Southeast Asia” held at the University of the Philippines, Quezon City, 3-4 February 2020

Webinar on “Biobanks and the Rise of Precision Medicine: Lessons from the Estonian Biobank” by Dr. Tonu Esko organized by GenomeWeb and BC Platforms, 22 August 2019

Regional Workshop on Science and Technology with the theme “Developments Relevant to the Biological Weapons Convention (BWC) for Asia” held in Seda Vertis Hotel, Quezon City, 21-22 November 2018

Global Forum on Bioethics in Research with “The Ethics of Data-Sharing and Biobanking in Health Research” held in Hotel Spielberg, Stellenbosch, South Africa, 13-14 November 2018

Seminar on “How to Publish with Genome Biology” by Dr. Yixin Yao. Chinese Academy of Sciences- Max Planck Group Partner Institute for Computational Biology, Shanghai Institutes for Biological Sciences, Shanghai, China, 17 May 2018

Seminar on “Genetic Structure, Admixture History, and Ancestry of East Asian Populations” by Yuchen Wang, Ph.D. candidate. Chinese Academy of Sciences- Max Planck Group Partner Institute for Computational Biology, Shanghai Institutes for Biological Sciences, Shanghai, China, 9 May 2018

Seminar on “Genetic Structure, Population Admixture and Natural Selection of Uyghur and Tajik populations in Xinjiang” by Qidi Feng, Ph.D. candidate. Chinese Academy of Sciences- Max Planck Group Partner Institute for Computational Biology, Shanghai Institutes for Biological Sciences, Shanghai, China, 9 May 2018

Seminar on “Population Genomics Studies of Human Evolutionary History, Local Adaptation, and Database Construction” by Chao Zhang, Ph.D. candidate. Chinese Academy of Sciences- Max Planck Group Partner Institute for Computational Biology, Shanghai Institutes for Biological Sciences, Shanghai, China, 9 May 2018

Seminar on “The Impact of Demographic History on Human Complex Traits” by Dr. Charleston Chang. Chinese Academy of Sciences- Max Planck Group Partner Institute for Computational Biology, Shanghai Institutes for Biological Sciences, Shanghai, China, 27 April 2018

- Seminar on "The Genomic and Cultural Landscape of Madagascar" by Dr. Mark Stoneking. Chinese Academy of Sciences- Max Planck Group Partner Institute for Computational Biology, Shanghai Institutes for Biological Sciences, Shanghai, China, 16 April 2018
- 9<sup>th</sup> Annual Meeting and Symposium of the Asian Forensic Science Network with the theme "Advancing Forensic Science in a Rapidly Changing World". Ngee Ann Polytechnic College, Singapore, 4-8 September 2017
- "The Sequencing of STR and SNP Marker Panels Applied to Forensic Genetics" – Workshop Program during the 27<sup>th</sup> Congress of the International Society of Forensic Genetics on "Bridging East and West." COEX Convention Centre, Seoul, South Korea, 29 August 2017
- "Mitochondrial DNA: EMPOP, MPS, Degraded DNA" – Workshop Program during the 27<sup>th</sup> Congress of the International Society of Forensic Genetics with "Bridging East and West." COEX Convention Centre, Seoul, South Korea, 28 August 2017
- "Y Chromosome: Sequence Variation, Population Database, Frequency Estimation, Mixture Interpretation, Kinship Analysis and Ancestry Inference" – Workshop Program during the 27<sup>th</sup> Congress of the International Society of Forensic Genetics with "Bridging East and West." COEX Convention Centre, Seoul, South Korea, 28 August 2017
- 27<sup>th</sup> Congress of the International Society of Forensic Genetics with the theme "Bridging East and West." COEX Convention Centre, Seoul, South Korea, 27 August t- 2 September 2017.
- 21<sup>st</sup> Triennial Meeting of the International Association of Forensic Sciences with "Inter-Professional Collaboration in Forensic Science" held at the Sheraton Toronto, Toronto, Canada, 21-25 August 2017
- 23<sup>rd</sup> International Symposium of the Australia-New Zealand Forensic Science Society with "Together InForming Justice." Sky City Auckland Convention Centre, Auckland, New Zealand, 18-23 September 2016
- 7<sup>th</sup> Annual Meeting and Symposium of the Asian Forensic Science Network (AFSN) with the theme "Forensic Science: Necessity vs. Luxury". Pullman Hotel, Kuala Lumpur, Malaysia, 16-18 November 2015
- 7<sup>th</sup> European Academy of Forensic Science (EAFS) Conference with the theme "Pushing boundaries, working beyond borders". Prague Congress Centre, Prague, the Czech Republic, 6-11September 2015
- 14<sup>th</sup> Forum for Ethics Review Committees in the Asia and the Western Pacific (FERCAP) International Conference and the 1<sup>st</sup> Philippine Health Research Ethics Board National Conference with the theme "Embedding Ethics in National Health Research Systems." Taal Vista Hotel, Tagaytay City, Philippines, 24-25 November 2014
- Comprehensive Training for Airline Accident (Mass Casualties Management Training Program) organized by the Asia-Pacific Medico-Legal Agencies. Incheon Airport, Seoul, South Korea, 18 October 2014
- World Forensic Festival with the theme "New Horizon in Forensic Sciences" included the 20<sup>th</sup>World Meeting of the International Association of Forensic Sciences, the 6<sup>th</sup> Annual Meeting and Symposium of the Asian Forensic Science Network (AFSN), and the 5<sup>th</sup> Meeting of the Asia-Pacific Medico-Legal Agencies. COEX, Seoul, South Korea, 12-18 October 2014
- 4<sup>th</sup> Annual Meeting and Symposium of the Asian Forensic Science Network (AFSN). Rama Garden Hotel, Bangkok, Thailand, 26-28 November 2012

Training-Workshop with the theme "Insights and Opportunities in Microarray-based Studies: Doing Research at the UP Manila-NIH Microarray Core Facility." National Institutes of Health, 2 September 2011

3<sup>rd</sup> Annual Meeting and Symposium of the Asian Forensic Science Network (AFSN). Lotte Hotel, Seoul, South Korea, 25-27 May 2011

2<sup>nd</sup> Annual Meeting and Symposium of the Asian Forensic Science Network (AFSN). Empire Hotel and Country Club, Brunei Darussalam, 1-3 June 2010

DNA Workshop on DNA mixture interpretation conducted by Dr. Bruce Budowle. Empire Hotel and Country Club, Brunei Darussalam, 1 June 2010

International Symposium on Forensic and Environmental Health. Putra World Trade Centre, Kuala Lumpur, Malaysia, 10-11 November 2009

The TWAS (Academy of Sciences in the Developing World) – TWOWS (Third World Organization of Women in Science)- SCOPUS Regional Young Women Symposium 2009 with "Bridging the Science Gender Gap in Developing Countries." National Science Centre, Kuala Lumpur, Malaysia, 8-10 November 2009

The Forerunner DNA-Prokids Scientific Group Meeting. University of Granada, Spain, 26-27 October 2009

20<sup>th</sup> General Meeting and 11<sup>th</sup> General Conference of the Academy of Sciences in the Developing World. International Convention Centre, Durban, South Africa, 20-23 October 2009

Meeting of the American Society for Human Genetics, Human Genome Organization, and Nature Publishing Group with "Genetics and Genomics of Infectious Diseases." Ritz-Carlton Millenia Hotel, Singapore, 22-24 March 2009

Education Session on Genomic Technologies and Genome Information Tools. Genome Institute of Singapore, Singapore, 21 March 2009

Inaugural Symposium on Advocacy and Awareness of Biosafety and Biosecurity. Session Hall, Makati City, Philippines, 17-19 March 2009

International DNA Symposium 2008: Towards International Quality. Pullman Hotels and Resorts, Bangkok, Thailand, 10-11 November 2008

Interpretations and Statistics for Y-STR Analysis. Faculty of Medicine, Ramathibodi Hospital, Mahidol University. Pullman Hotels and Resorts, Bangkok, Thailand, 9 November 2008.

The Asia Forum with the theme "Changing Asia: Forging Partnerships, Building Sustainability." Ramon Magsaysay Award Foundation. Philippine International Convention Centre, Pasay City, Philippines, 29-30 August 2008

5<sup>th</sup> International Conference on Teacher Education with the theme "Teacher Education Reform: Access, Participation, and Quality." Manila Hotel, Manila, Philippines, 24-26 July 2008

Joint 7<sup>th</sup> Human Genomic Organization (HUGO) – Pacific Meeting and the 8<sup>th</sup> Asia-Pacific Conference on Human Genetics with "Genomics for Better Health in the Asia Pacific." Shangri-La, Mactan Island, Cebu, Philippines, 2-5 April 2008

1st Annual Conference of the PICB, Shanghai Institutes of Biological Sciences, Yellow Mountain, China, 8-10 June 2007

Training Program for Genetic Diversity Data Analysis, Department of Computational Genomics, Chinese Academy of Sciences- German Max Planck Partner Institute for

Computational Biology (CAS-MPG-PICB), Shanghai Institutes of Biological Sciences, Shanghai, China, 27 May to 13 June 2007

7<sup>th</sup> Asian Regional Conference with the theme "I am for the Child: *Ako Para sa Bata*". Sofitel Philippine Plaza, Manila, Philippines, 23-26 July 2007

1<sup>st</sup> Annual Asia 21 Young Leaders Meeting with "Shaping an Asia Pacific Century: Challenges and Choices." Shilla Hotel, Seoul, South Korea, 17-19 November 2006

3<sup>rd</sup> TWOWS General Assembly and International Conference on "Women's Impact on Science and Technology in the New Millennium." Bangalore, India, 21-25 November 2005

17<sup>th</sup> Meeting of the International Association of Forensic Sciences. Hong Kong, China, 21-26 August 2005

20<sup>th</sup> Congress of the International Society of Forensic Genetics, Arcachon, France, 9-13 September 2003

3<sup>rd</sup> European-American School in Forensic Genetics and Mayo Clinic Course in Advanced Molecular and Cellular Medicine. Zagreb, Croatia, 1-5 September 2003

DNA Database Training. Human Identification Group, Applied Biosystems. Foster City, San Francisco, California, 21-27 June 2001

Summer Training Institute in Statistical Genetics. North Carolina State University, Raleigh, North Carolina, 28 May to 16 June 2001

Forensic Y-User Workshop. Institute of Legal Medicine, Humboldt University, Berlin, Germany, 16-17 June 2000

- **Attendance in Local Seminars/Training**

Training on "Basic Research Ethics Training" conducted through the Philippine Health Research Ethics Board, 4-5 October 2022

Webinar on "A Filipino Genomes Research Program: From Start in a Pandemic, Now and What is to Come" delivered by FC Delfin, organized by the Natural Sciences Research Institute, 3 October 2022

Training on "Continuing Ethics Education: Standard Operating Procedures for Research Ethics Committees" conducted by UP Manila Research Ethics Board, 20-22 June 2022

Webinar on "Science for Change-Mindanao Cluster" organized by the Department of Science and Technology, 27 May 2022

Webinar on "SCS Orientation for Finance and Administrative Personnel" organized by the Scientific Career System of the National Academy of Science and Technology, 26 May 2022

Webinar on "Aligning Your Research to SDGs Using SETI" organized by the National Research Council of the Philippines, 21 February 2022

Webinar on "Modernizing Academic Research with Cutting-Edge Software" organized by Lab Manager, 27 January 2022

Webinar on "CY2022 DOST Call Conference for Proposals" organized by DOST in preparation for the CY2024 DOST Grants-in-Aid Call for Proposals, 26 January 2022

Webinar on "COVID-19 Vaccine Research and Ethics" during the 3<sup>rd</sup> PHREB National Conference, 10 November 2021

Webinar on "Intellectual Property Rights and the Privacy of Indigenous Peoples" during the 3<sup>rd</sup> PHREB National Conference, 9 November 2021



Webinar on “Previews on the 2022 National Ethical Guidelines for Research” during the 3<sup>rd</sup> PHREB National Conference, 9 November 2021

Webinar on “Confronting Issues in Technical and Ethical Review” during the 3<sup>rd</sup> PHREB National Conference, 9 November 2021

Webinar on “Human Genetic Variation and a Filipino Genomes Research Program” organized by Tebtebba Indigenous Peoples International Centre for Policy Research and Education, 5 August 2021

Webinar on “Peering into the Research Dimensions of University Rankings” for the Leadership Legacy Forum of IRIS – Elsevier 14 July 2021

Webinar of the 3<sup>rd</sup> International Conference on Cordillera Studies, 5, 12, 19, and 26 July 2021

Webinar with the theme “#NewNormal: Moving Towards Smarter Education” of the 16<sup>th</sup> Annual Conference of the Outstanding Young Scientists, 12 July 2021

Webinar on “Research Integrity: Fabrication and Falsification” organized by the Committee on Research Integrity, UP Manila, 28 June 2021

Webinar on “Forensics and Human Rights Investigation: Perspectives and Practical Application” organized by the UPD-NSRI DNA Analysis Laboratory and the Commission on Human Rights, 3-4 June 2021

Webinar of the Joint Online-Training-Workshop on Standard Operating Procedures for GCP Compliance of Research Ethics Committees, 21- to 23 June 2021

Webinar on “Substance Use in the Philippines: Governance, Research, and Practice” during the National Substance Use Science Policy and Information Forum organized by the Asian Center for Drug Policy and the National Academy of Science and Technology, 15 June 2021

Webinar on “Breakthroughs for Solidarity” during the NRCP National Quincentennial Lecture Series, 14 June 2021

Webinar on “Choosing the Right Journal for your Research” organized by National Research Council of the Philippines, 4 May 2021

Webinar entitled “Katawan o Kasaysayan o: Pagpapatuloy na Pagtalakay sa Usaping Genetics: Concepts in Genetics Research on Human Genetic Diversity and History” organized by the DNA Analysis Laboratory Natural Sciences Research Institute, the National Commission on Indigenous Peoples, the Institute of Human Genetics and AnthroWatch 14 December 2020

Webinar on “Research Fairness Webinar: Equitable Partnerships in Science, Technology, and Innovation” organized by PCHR, 24 March 2021

Webinar on “The Shadow Pandemic: Domestic Violence in the Context of COVID-19” organized by NAST, 11 December 2020

Webinar of the 14<sup>th</sup> Annual Meeting and Scientific Forum Philippine Association of Career Scientists, 20 November 2020

Webinar on “Genomic and Molecular Tools for Bio surveillance of Bacteria and Parasites” organized by NSRI, 30 October 2020

Webinar on “Strengthening Research with IP Communities: Documentation of Indigenous Knowledge System and Practices (IKSP) on Health through Participatory Research” organized by PCHR and NCIP, 26-27 October 2020

Webinar on "Getting the Women and Child Protection Units COVID-19 Ready" organized by Child Protection Network with the theme "Ako Para sa Bata", 15 September 2020

Webinar on "The Ethics of Research in Practice" organized by National Research Council of the Philippines, 2 September 2020

Webinars on "Forensics and Pandemics" organized by the College of Arts and Sciences, University of the Philippines, Manila, 1, 8, 15, and 22 July 2020

Webinar of the 42<sup>nd</sup> Annual NAST Scientific Meeting entitled "Science and Technology for Society: Solutions to Long-Standing Concerns," 8-10 July 2020

Webinar of the 15<sup>th</sup> Annual OYSI Scientific Meeting entitled "Science and Technology for Society: Solutions to the Woes of the COVID-19 Pandemic," 7 July 2020

Webinar on "Investigative Leads using the Precision ID NGS System," 7 July 2020

Webinar of the 87<sup>th</sup> General Member Assembly of the National Research Council of the Philippines entitled "Research for the Public Good," 30 June 2020

First Integrated STEM Leadership Summit in Asia 11 November 2019 held in Unilab Mandaluyong City

Forum of the World Organization Against the Death Penalty and the Commission for Human Rights, 12 November 2019 at the CHR Central Office, Quezon City

National Congress Against the Death Penalty was held on 10 October 2019 at the Crowne Plaza Manila Galleria, Pasig City

Lecture on "Forensic Anthropology" by Dr. Tanya Uldin. Natural Sciences Research Institute, UP Diliman, 10 April 2019

5<sup>th</sup> Forensic Science Symposium with the theme "ForenSeeks: Seeking Solutions through Forensics." Institute of Biology, UP Diliman, 6 April 2019

Annual Scientific Conference and 86<sup>th</sup> General Membership Assembly of the National Research Council of the Philippines with the theme "Humanizing the Fourth Industrial Revolution" held at the Philippine International Convention Center, Manila, 11 March 2019

Lecture on "Covering the Philippine War on Drugs" by Mr. Raffy Lerma. Natural Sciences Research Institute, UP Diliman, 2 February 2019

Seminar on Faculty and International Mobility. UP Diliman, 1 February 2019

Seminar on "Genetic and Physiological Adaptations of Indonesian Bajaus to Deep Sea Diving" by Dr. Melissa Ilardo. Natural Sciences Research Institute, UP Diliman, 16 January 2019.

Seminar on "Being and Becoming: Reflections on Ethnicity and Learning, The Australian and Philippine Experience" by Professor Mary Anne Bin-Salik. College of Science, UP Manila, 12 October 2018

Advance Training Workshop on "Continuing Ethics Education: Implications of Revised Regulations." National Institutes of Health, UP Manila, 23-25 October 2018.

Seminar on "Finding Info @www.cslib.upd.edu.ph" by Ms. Marie Antoinette D. Villaflor. Natural Sciences Research Institute, UP Diliman, Quezon City, 19 March 2018

3<sup>rd</sup> Annual Balik Scientist Program (BSP) Convention with "Balik Scientists: Partners in Harnessing Science for the People" held in Sofitel Philippine Plaza, Pasay City, 1 December 2017

2017 Science, Technology and Society Annual Seminar-Workshop, Bayleaf Hotel, Intramuros Manila, 17-18 November 2017

- 36<sup>th</sup> Annual PAASE Meeting and Symposium with "Converging Academe- Government- Industry Science and Technology to Accelerate Philippine Innovation." Manila Hotel, Manila, 14-15 July 2017
- 12<sup>th</sup> Annual Scientific Convention of the Outstanding Young Scientist, Inc. with the theme "Saving Nemo and Friends." Manila Hotel, Manila, 11 July 2017
- "Genomic Epidemiology of Infectious Diseases in the Philippines" organized by the Philippine Genome Centre and the London School of Hygiene and Tropical Medicine, Institute of Biology Auditorium, University of the Philippines Diliman, 3-7 July 2017
- Seminar on "The Human Skeleton in Death Investigation: Directions in Philippine Forensic Anthropology" by Mr. Matthew C. Go. Natural Sciences Research Institute, UP Diliman, Quezon City, 4 July 2017
- "Dr.ug Issues, Different Perspective: A Policy Forum" organized by the Free Legal Assistance (FLAG) Anti-Death Penalty Task Force, GT-Toyota Asian Centre Auditorium, Manila, 5-6 May 2017
- 84<sup>th</sup> Annual Scientific Conference of the National Research Council of the Philippines with the theme "Philippine Development: Foregrounding Ethical and Moral Values." Philippine International Convention Centre, Manila, 22 March 2017
- 35<sup>th</sup> Anniversary Celebration of the Philippine Council for Health Research and Development with the theme "Health Innovations: Translating Science to Benefits." Philippine International Convention Centre, Manila, 17 March 2017
- 2016 Science and Society Program Faculty Seminar and Workshop. Taal Vista, Tagaytay City, 11-13 December 2016
- 10<sup>th</sup> Katipunan Arkeologist ng Pilipinas, Inc. Conference entitled "Rethinking Philippine Archaeology: Cultural Chronologies and New Discoveries," UP Diliman, Quezon City, 9-10 December 2016
- 10<sup>th</sup> SCS Annual Meeting on "Reinforcing Science and Technology Capabilities for Sustainable Community Development." Acacia Hotel, Muntinlupa City, 28-29 November 2016.
- 38<sup>th</sup> NAST Annual Meeting on "Looking Back and Looking Forward." Manila Hotel, Manila, 13-14 July 2016
- 6<sup>th</sup> Annual Meeting and Scientific Convention of the Outstanding Young Scientists, Inc, (OYSI) on "Revisiting the Past: Re-envisioning the Future" Manila Hotel, Manila, 12 July 2016.
- Research and Creative Work Leadership Conference during the UP Knowledge Festival. Tagaytay City, 17-19 April 2016
- 83<sup>rd</sup> Annual Scientific Conference of National Research Council of the Philippines with the theme "Research Innovation for Inclusive Development," Philippine International Convention Centre, Pasay City, 17-19 March 2016
- Seminar on "An Integrated System of Forensic DNA Testing for Sexual Assault Evidence in the Philippines" by Mr. Jae Joseph Russell B. Rodriguez. Natural Sciences Research Institute, UP Diliman, Quezon City, 16 June 2015
- Seminar on "The Real CSI NY: Approaches to Forensic DNA Testing in New York City" by Ms. Sheila E. Dennis. Natural Sciences Research Institute, UP Diliman, Quezon City, 21 November 2014.

- 8<sup>th</sup> Scientific Symposium of the Scientific Career System and Philippine Association of Career Scientists with the theme of "Science in the Age of #." Richmonde Hotel, Quezon City, 1 October 2014
- Seminar on "Rebuilding a Legacy: The Philippine National Museum and Natural History" by Dr. Arvin C. Diesmos, Natural Sciences Research Institute, UP Diliman, Quezon City, 2 September 2014
- Symposium of the Natural Sciences Research Institute with the theme "Celebrating Research Productivity: 50 years and Beyond". Natural Sciences Research Institute, UP Diliman, Quezon City, 19 June 2014
- 81<sup>st</sup> Scientific Conference of the National Research Council of the Philippines on "Future Earth, Future Philippines:" Manila Hotel, Manila, 26-27 March 2014
- Seminar on "Massive Contribution of Repeats and Non-coding Elements to Primate Origin" by Dr. Ricardo del Rosario. Natural Sciences Research Institute, UP Diliman, Quezon City, 10 March 2014
- Seminar on "Into and Out of Taiwan: Genetic Evidence Concerning the Austronesian Expansion" by Dr. Mark Stoneking. Natural Sciences Research Institute, UP Diliman, Quezon City, 13 February 2014
- Seminar on "Genes, Culture and Human Evolution: Are humans still evolving?" by Dr. Mark Stoneking. Institute of Biological Sciences Lecture Hall, UP Los Baños, Laguna, 12 February 2014
- Symposium on "Forensic Science in the Philippines: Status, Challenges and Opportunities" organized by the students of BIOL397, Institute of Biological Sciences, the Natural Sciences Research Institute, and the Philippine Genome Centre UP Diliman, Quezon City, 11 February 2014
- Seminar on "Networks of Marine Reserves for Fisheries Management: Can they work?" by Dr. Rene Abesamis. Natural Sciences Research Institute, UP Diliman, Quezon City, 7 January 2014
- Seminar on "The changing molecular epidemiology of the Philippine HIV epidemic" by Dr. Edsel Maurice T Salvana. Natural Sciences Research Institute, UP Diliman, Quezon City, 1 October 2013
- Seminar on "Philosophical Inquiries into Biological Concepts of Gene and Information" by Professor Peter Sy. Natural Sciences Research Institute, UP Diliman, Quezon City, 3 September 2013
- Seminar on "Diagnosis of Canine Rabies Infection" by Dr. Maria Amelita C. Estacio. Natural Sciences Research Institute, UP Diliman, Quezon City, 8 August 2013
- Seminar on "Tracing the Origin of Asian Rice" by Dr. Jeanmaire Molina. Natural Sciences Research Institute, UP Diliman, Quezon City, 2 July 2013
- Seminar on "Human Evolutionary Anthropology: Insights and Perspectives in human population, history, and biology" by Mr. Frederick Delfin. Natural Sciences Research Institute, UP Diliman, Quezon City, 5 February 2013
- Seminar on "Exploring Synapse Evolution" by Dr. Cecilia Conaco. Natural Sciences Research Institute, UP Diliman, Quezon City, 4 December 2012

First UP Padayon Risk Reduction and Management Conference-Workshop on Institutionalize One UP Disaster Response organized by the UP Padayon (Public Service Office), UP Diliman, Quezon City, 20 November 2012

Training Workshop on Principles of Good Clinical Practice and Health Research Ethics for Physicians and Clinical Trialists for Novartis Healthcare Philippines Inc. by the Training Centre for Health Research Ethics and Good Clinical Practice. UP Manila- National Institute of Health, Discovery Suites, Pasig City, 14-15 November 2012

Seminar on "DNA barcoding of Philippine Land Snails" by Dr. Ian Fontanilla. Natural Sciences Research Institute, UP Diliman, Quezon City, 6 November 2012

Seminar on "Zeta Potential: Theory and Applications" by Dr. Herman Mendoza. Natural Sciences Research Institute, UP Diliman, Quezon City, 10 October 2012

Seminar on "Why the study of the human past cannot be just science" by Dr. Victor Paz, Natural Sciences Research Institute, UP Diliman, Quezon City, 4 September 2012

Seminar on "VAAST: a probabilistic disease-gene finder for personal genome sequences" by Dr. Mark Yandell. Institute of Human Genetics, National Institute of Health, UP Manila, Manila, 19 June 2012

Workshop on "The Philippine Innocence Project", organized by the DNA Analysis Laboratory and the Philippine Innocence Project, Natural Sciences Research Institute, UP Diliman, Quezon City, 16 June 2012

Symposium on "Biodiversity and Genomics," organized by the Office of the Vice President for Academic Affairs and the Philippine Genome Centre. National Institute of Physics, UP Diliman, Quezon City, 14 June 2012

Seminar on "Practical Bioinformatics for Genomic Research" by Dr. Richard Sucgang, organized by the Bioinformatics Core Facility, Philippine Genome Centre. Marine Science Institute, UP Diliman, Quezon City, 4 June 2012

Forum on Intellectual Property and Traditional Knowledge, organized by the World Intellectual Property Organization, the Intellectual Property Office Philippines, the National Commission on Indigenous Peoples, the National Commission on Culture and the Arts, and the National Museum. National Museum, Manila, 21-22 March 2012

Seminar on "Introduction to Genetic Epidemiology" by Dr. Reggie Lyn Santos-Cortez. Institute of Human Genetics, National Institute of Health, UP Manila, Manila, 14 March 2012

7<sup>th</sup> National Biotechnology Week with theme "*Bioteknolohiya para sa Kalikasan, Kalusugan, Kagandahan, Kabuhayan at Kaunlaran*". Department of Environment and Natural Resources, DENR Office, Quezon City 21-26 November 2011

Workshop on "Insights and Opportunities in Microarray-Based Studies: Doing Research at the UP Manila-NIH Microarray Core Facility." National Institute of Health, UP Manila, Manila, 2 September 2011

33<sup>rd</sup> NAST Annual Meeting on "Meeting the Challenges of Agricultural Productivity, Competitiveness, and Productivity: Competitiveness and Sustainability." Manila Hotel, Manila, 13-14 July 2011

6<sup>th</sup> Annual Meeting and Scientific Convention of the Outstanding Young Scientists, Inc (OYSI) on "Advancing Science and Technology towards Achieving Agricultural Productivity, Sustainability, and Competitiveness." Manila Hotel, Manila, 12 July 2011

Conference on "Rizal in the 21<sup>st</sup> Century: Local and Global Perspectives" organized by the UP College of Arts and Letters. GT-Auditorium of the Asian Centre, UP Diliman, Quezon City, 22-24 June 2011

Seminar-Workshop on "Total Quality/Workplace Management (5S Program)" by Dr. Jorge V Sibal organized by the Natural Sciences Research Institute (NSRI). UP Diliman, Quezon City, 17 September 2010

Seminar on "The Origin and Evolution of Rice- a Molecular Perspective" by Dr. Michael Purugganan organized by the Natural Sciences Research Institute (NSRI) UP Diliman, Quezon City, 4 August 2010

Knowledge Sharing Activity of the *Karapatan sa Malikhaing Paraan* (KaSaMa) with the theme "Human Rights in the Aquino Administration". UP Diliman, Quezon City, 22 July 2010

Scientific Meeting during the National Science and Technology Week (NSTW) with the theme "Filipinnovation." Manila Hotel, Manila, 20 July 2010

Workshop of the End Child Prostitution and Trafficking Philippines (ECPAT) on "Orientation on Organ Trafficking," Quezon City, 16 July 2010

32nd Annual Scientific Meeting of the National Academy of Science and Technology (NAST). "MDGs and Beyond: Are We Making Progress?". Manila Hotel, Manila, 14-15 July 2010

5<sup>th</sup> Annual Meeting and Scientific Convention of the Outstanding Young Scientists, Inc. (OYSI). "Meeting the Challenges of Natural Resource Management". Manila Hotel, Manila, 13 July 2010

Discussion Group on "Multi-sectoral Programme on Violence against Women" organized by Women's Crisis Centre as part of the Study Tour of Representatives from Bangladesh Hotel Rembrandt, Quezon City, 8-9 July 2010

Seminar on "The Philippine Genome Centre" organized by Division III, National Research Council of the Philippines (NRCP). UP Manila, Manila, 28 June 2010

Seminar on the "Malaysian Human Genome Variation Consortium" organized by the Natural Sciences Research Institute UP Diliman, Quezon City, 25 June 2010

Asia-Pacific Policy Forum on Human Rights organized by the Australian Embassy and the Commission on Human Rights of the Philippines. Crowne Plaza Galleria Hotel, Pasig City, 17 June 2010

National Summit on Family Courts. "Strengthening the Multi-Sectoral Framework for the Protection of Family and Children" organized by the Supreme Court. Manila Hotel, Manila, 12 March 2010

Philippine Genome Centre Seminar Series on Bioinformatics. "Genomics, Bioinformatics, and Systems Biology: Evolving a Philippine Research and Education Strategy". Lecture by Dr. Eduardo Mendoza. Marine Science Institute, UP Diliman, Quezon City, 4 August 2009.

31<sup>st</sup> Annual Scientific Meeting of the National Academy of Science. "Active Aging: Preparing for Quality of Life". Manila Hotel, Manila, 8-9 July 2009.

4<sup>th</sup> Annual Scientific Meeting of the Outstanding Young Scientists Inc. "Health and Wellness in the 21<sup>st</sup> Century". Manila Hotel, Manila, 7 July 2009.

National Summit on Juvenile Justice and Welfare. "Building Alliances for Juvenile Justice" organized by the Juvenile Justice and Welfare Council. Asian Institute of Management, Makati City, 26 June 2009.

National Forum on the National Intellectual Property Policy and Strategy organized by the Third World Network Bahay Kalinao, UP Diliman, Quezon City, 17 June 2009

NRCP Division of Medical Sciences Scientific Session and General Meeting. National Institutes of Health, UP Manila, Manila, 8 June 2009.

Roundtable Discussion. "Sharing Experiences: International Perspectives on the Forensics of Impunity". Bureau of Democracy, Human Rights and Labor, US State Department, US Agency for International Development, Australian Agency for International Development, American Bar Association, The Asia Foundation, Centre for International Law, and the Integrated Bar of the Philippines. Traders Hotel, Manila, 14 May 2009.

Forensic Training for CHR Investigators. Peruvian Forensic Anthropology Team. Pearlmont Inn, Cagayan de Oro City, Misamis Oriental, 9-11 May 2009.

76<sup>th</sup> General Membership Assembly of the National Research Council of the Philippines. Manila Hotel, Manila, 11 March 2009.

UP Sentro ng Wikang Filipino. "Ambagan: Kumperensiya sa Paglikom ng Salita mula sa iba't ibang wika sa Filipinas". Bulawagang Rizal, UP Diliman, Quezon City, 5-6 March 2009.

Philippine Grid Computing 2008 Forum and Workshop organized by the Advanced Science and Technology Institute, ASTI, Diliman, Quezon City, 16 December 2008

Congressional Committee on Science and Technology and Engineering, Research and Development Conference (COMSTE). National Institute of Science and Mathematics Education Development, UP Diliman, Quezon City, 11 December 2008.

Advanced Training/Workshop in Forensic Medicine and Science organized by the Public Attorney's Office. Garden Orchid Hotel, Zamboanga City, 10 December 2008.

Indo- Pacific Association of Law, Medicine and Science & the Philippine Forensic Science Society. "A Day of Forensics." Philippine Columbian Association, Manila, 22 November 2008.

75<sup>th</sup> NRCP General Membership Assembly with the theme "Basic Research for National Development." Traders Hotel, Pasay City, 11 September 2008.

Philippine National Health Research System National Assembly. Pan Pacific Hotel, Ermita, Manila, 13-14 August 2008.

30<sup>th</sup> Annual Scientific Meeting of the National Academy of Science and Technology with the theme "Energy Security and Sustainability: Assessing the Present and Foreseeing the Future." Manila Hotel, Manila, 9-10 July 2008.

3rd Annual Meeting and Convention of the Outstanding Young Scientists Inc. with the theme "Scientific Breakthroughs for Today's Global Challenges." Manila Hotel, Manila, 8 July 2008.

17<sup>th</sup> Annual Philippine Biodiversity Symposium of the Wildlife Conservation Society of the Philippines with the theme "Human Population Density Impacts on Biodiversity." Visayas State University, Leyte, 14-17 April 2008.

1<sup>st</sup> Social Entrepreneurship Training Program. Ateneo de Manila University School of Government. Ateneo Professional Schools, Rockwell Centre, Makati City, 10 November 2007 – 22 March 2008.

29<sup>th</sup> Annual National Academy of Science and Technology Congress. Manila Hotel, Manila, 11-12 July 2007.

2<sup>nd</sup> National Convention of the Outstanding Young Scientists Inc with the theme "Setting New Trends in Teaching Science Education." Manila Hotel, Manila, 10 July 2007.

Seminar on Winning Grant Proposal Writing. Tritium Knowledge Centre Publishing. Richville Hotel, Mandaluyong City, 25 July 2007.

42<sup>nd</sup> Annual National Convention and Scientific Sessions of The Biological Teachers Association in the Philippines. Thomas Aquinas Research Centre, University of Santo Tomas, Manila, 12-14 April 2007.

55<sup>th</sup> Annual Convention of the Philippine Association for the Advancement of Science (PhILAAS) with the theme "Connecting People with Science." University of Santo Tomas, Manila, 14-15 September 2006.

Workshop on *Sui Generis* Protection of Traditional Knowledge and Intellectual Property Rights. Tebtebba Foundation and the Third World Network. University Hotel, Diliman, Quezon City, 24-26 August 2006.

28<sup>th</sup> Annual National Academy of Science and Technology Congress with the theme "The Century of Biology." Manila Hotel, Manila, 12-13 July 2006.

1<sup>st</sup> OYSI National Convention. Outstanding Young Scientists Inc Annual Meeting and Convention with the theme "Filipino Young Scientists on S & T Advocacy for Countryside Development." Manila Hotel, Manila, 11 July 2006.

9<sup>th</sup> Philippine Linguistics Congress. NISMED, UP Diliman, Quezon City, January 2006.

Human Rights Dialogues on Death Penalty and Restorative Justice organized by the Commission on Human Rights of the Philippines and the European Union. Century Park Hotel, Manila, 8 December 2005.

32<sup>nd</sup> PSBMB Annual Convention with the theme "Biochemistry of Wellness: Behind the Hype." Ateneo de Manila University, Quezon City, 1-2 December 2005.

Seminar-Workshop on "Special Aspects of ISO/IEC 17025 (Proficiency Testing, Uncertainty Measurement, and Method Validation)" organized by the Intellectual Property Office. Makati City, 3 November 2005.

2<sup>nd</sup> Annual Bioinformatics Conference and Convention of the Network for Integrative Multidisciplinary Bioinformatics Utilization Strategies (NIMBUS) with the theme "Securing health through Bioinformatics." The University of Santo Tomas, 21 October 2005.

Seminar on Effective Leadership in the Workplace. The Business One RCBC Plaza Bldg, Makati City, 5 October 2005.

27<sup>th</sup> Annual National Academy of Science and Technology Congress with the theme "Philippine Agriculture 2020". Manila Hotel, Manila, 13-14 July 2005.

1<sup>st</sup> Philippine Conference on Biotechnology Enterprise and Investment Mapua IT Centre, Makati City, 26 January 2005.

25<sup>th</sup> Annual National Academy of Science and Technology Congress with the theme "Addressing the Demographic Crisis in the Philippines." Manila Hotel, Manila, 9-10 July 2003.

Course on Linux Programming. The Computer Science and Research Centre. CSRC, UP Diliman, Quezon City, 1-5 May 2003.

ESR Advanced Course in DNA Evidence Interpretation. Natural Sciences Research Institute, UP Diliman, Quezon City, 26 February to 4 March 2003.



29<sup>th</sup> Annual Convention of the Philippine Society for Biochemistry and Molecular Biology  
 SEARCA, UP Los Baños, Laguna, 5-6 December 2002

Training Workshop on ABI310 equipment and software organized by the Applied Biosystems  
 Inc. Natural Sciences Research Institute, UP Diliman, Quezon City, 21-23 October 2002

2<sup>nd</sup> Lawyers Workshop on Capital Punishment in the Philippines organized by the Free Legal  
 Assistance Group. Antipolo, Rizal, 26-27 July 2002

Inaugural Conference of the Child Protection Unit. Pan Pacific Hotel, Manila, 11 April 2002

Seminar on Understanding GMOs (Genetically Modified Organisms): Perspectives and  
 Concerns organized by the College of Social Sciences and Philosophy and MASIPAG UP  
 Diliman, Quezon City, 21 February 2002

Seminar on International Conventions on the Rights of the Child and the Rule on Examination  
 of a Child Witness organized by the Integrated Bar of the Philippines (Makati City  
 Chapter). AIM Conference Centre, Makati City, 28 January 2002

68<sup>th</sup> Annual Meeting of the National Research Council of the Philippines with the theme  
 "Towards a More Humanistic Society through Science and Technology." UP Diliman,  
 Quezon City, 3 March 2001

Statistics Training Course of Dr. Wing Kam Fung. Asia Pacific Regional Meeting and Training  
 on Forensic DNA Analysis organized by the DNA Analysis Laboratory, Natural Sciences  
 Research Institute, and the Institute of Judicial Administration. UP Diliman, Quezon City,  
 28-29 November 2000

49<sup>th</sup> Annual Convention of the Philippine Association for the Advancement of Science Inc.  
 "Scientific Instrumentation for Education, Research and Industry." College of Nursing  
 Auditorium, UP Manila, Manila, 26-27 October 2000

Forensic Science Lectures of William D. Haglund entitled "Identification of Human Remains."  
 Department of Pathology, UP Manila, Manila, 29 September 2000

Workshop on "Information and Communication Technology." Philippine Trade Centre,  
 Manila, 12 July 2000

20<sup>th</sup> Annual Meeting and Symposium of the Philippine Academy of Science and Engineering  
 with the theme "Advancing Philippine Science and Technology in the Third Millennium."  
 Shangri-La Hotel, Makati City, 7-8 July 2000

22<sup>nd</sup> Annual Convention of the National Academy of Science and Technology. "Challenges in  
 the New Millennium for Science and Technology." Manila Hotel, Manila, 5-6 July 2000.

29<sup>th</sup> Annual Convention of the Philippine Society for Microbiology, Inc. "psm@laoag: Online  
 with the Nation in Ensuring Food Security, Health and Ecosystem Stability." Fort Ilocandia  
 Resort Hotel, Laoag, Ilocos Norte, 10-12 May 2000

Postgraduate Course in Bioethics. UST, Manila, 3-4 February 2000

1<sup>st</sup> Annual National Conference of the International Association for Identification. Escarcha  
 Hall, Philippine Public Safety College, Fort Bonifacio, Makati City, 9-10 December 1999.

Symposium on "Molecular Biology and Biotechnology: Towards National Development."  
 Science Teacher Training Centre, Diliman, Quezon City, 31 July 1999

21<sup>st</sup> Annual National Academy of Science and Technology Congress with the theme "Food,  
 Population, and Environment." Manila Hotel, Manila, 7-8 July 1999.

Statistical Data Management. Statistical Research and Training Centre, Diliman, Quezon City,  
 31 May to 9 June 1999

28<sup>th</sup> Annual Philippine Society Convention for Microbiology has the theme "Microbiology: Meeting the Global Challenges of the Future." Asia World Resort Hotel, Puerto Princesa City, Palawan, 12-13 May 1999

## ■ ORGANIZATIONS

### ● International

American Academy of Forensic Sciences - Associate Member (2016- present)  
Asian Society for Human Genetics- Member (2021- present)  
International Society for Forensic Genetics - Member (2003-2004; 2015 to present)  
International Society for Biological and Environmental Repositories – Member (2021)  
Quality Assurance & Standards Committee of the Asia Forensic Science Network–  
2nd Secretary (2011-2016)  
DNA Workgroup of the Asia Forensic Science Network – Member (2009- present)  
Regional East Asia DNA Profiling Group (REAFD) - Member (2007-2009)  
Phi Kappa Phi Honour Society– Member (2011- 2017)  
The Science Academy for the Developing World (TWAS) - Affiliate Fellow (2007-2011)  
American Association of Blood Banks- Member (2005-2011)  
Philippine-American Academy of Science and Engineering - Member (2005-present)  
Third World Organization of Women Scientists (TWOWS) - Member (1999- 2005)

### ● Local

Innocence Project Philippines Network - Member (2012- present)  
National Research Council of the Philippines (Division III) –  
Member (2003- present); Associate Member (1999-2003)  
Outstanding Young Scientists Inc. –  
Member (2003 to present)  
Board Member (Secretary 2008-2014; Public Relations Officer 2007-2008)  
Philippine Association of Career Scientists –  
Member (2013 to present); Board of Trustees (2013- 2015)  
Philippine Society for Biochemistry and Molecular Biology (2016- lifetime membership)  
The Outstanding Women in the Nation Service (TOWNS)- Member (2007- present)  
Forensic Odontology Society of the Philippines - Honorary Fellow (2013-present)  
University of the Philippines Los Banos Genetics Society- Honorary Fellow (2014- present)