**PROFESSOR WIELAND GEVERS**

**LIST OF RESEARCH PUBLICATIONS (1963 - 1992)**

**(Bold-face: 20 most significant publications)**

**Gevers, W., Dowdle, E. (1963) Clinical Science, 25, 343-349. “The effect of pH on glycolysis in vitro.”**

Opie, L.H., Kadas, T., Gevers, W. (1963) Lancet, Sept 14, 551-553. “Effect of pH on the function and glucose metabolism of the heart.”

**Gevers, W., Krebs, H.A. (1966) Biochem. J. 98, 720-735. “The effect of adenine nucleotides on carbohydrate metabolism in pigeon-liver homogenates.”**

Gevers, W. (1966) D.Phil. Thesis, Univ. of Oxford. “Studies in the carbohydrate metabolism of the liver.”

**Gevers, W. (1967) Biochem. J.103, 141-152. “The regulation of phosphoenolpyruvate synthesis in pigeon liver.”**

**Newsholme, E.A., Gevers, W. (1967) Vitamins and Hormones 25, 87. “Control of glycolysis and gluconeogenesis in liver and kidney cortex.”**

**Gevers, W., Kleinkauf, H., Lipmann, F. (1968) Proc. Natl. Acad. Sci. USA 60, 269-276. “The activation of amino acids for biosynthesis of Gramicidin S”**

Kleinkauf, H., Gevers, W., Lipmann, F. (1969) Proc. Natl. Acad. Sci. USA. 62, 226-233. “Interrelation between activation and polymerization in Gramicidin S biosynthesis.”

**Gevers, W., Kleinkauf, H., Lipmann, F. (1969) Proc. Natl. Acad. Sci. USA. 63, 1335-1342. “Peptidyl transfers in Gramicidin S biosynthesis from enzyme-bound thiolester intermediates.”**

**Kleinkauf, H., Gevers, W. (1969) Symp. Cold Spring Harbor Symp.Quant. Biol, 34, 805-813. “Non-ribosomal polypeptide synthesis: The biosynthesis of a cyclic peptide antibiotic, Gramicidin S”**

Kleinkauf, H., Gevers, W., Roskoski, R., Lipmann, F. (1970) Biochem. Biophys. Res. Communs. 41, 1218-1222. “Enzyme-bound phosphopantetheine in tyrocidine biosynthesis.”

Roskoski, Rr., Gevers, W., Kleinkauf, H., Lipmann, F. (1970) Biochemistry 9, 4839-4845. “Tyrocidine biosynthesis by three complementary fractions from Bacillus brevis” (ATCC 8185).

Roskoski, R., Kleinkauf, H., Gevers, W., Lipmann, F. (1970) Biochemistry 9, 4846-4851. “Isolation of enzyme-bound peptide intermediates in tyrocidine biosynthesis.”

**Lipmann, F., Gevers, W., Kleinkauf, H., Roskoski, R. (1971) Adv. in Enzymology 35, 1-34. “Polypeptide synthesis on protein templates: The enzymatic synthesis of Gramicidin S and tyrocidine."**

Roskoski, R., Ryan, G., Kleinkauf, H., Gevers, W., Lipmann, F. (1971) Arch. Biochem. Biophys. 143, 485-492. “Polypeptide biosynthesis from thiolesters of amino acids.”

Coetzee, G.A., Gevers, W. (1972) FEBS Letters 28, 213-216. “Dissimilar separable forms of L-phenylalanine activating enzyme in rat heart cytoplasm.”

Gevers, W. J. Mol. Cell. Cardiol. 4, 537-541. Editorial. “The Stimulus to hypertrophy in the heart.”

Bester, A.J., Gevers, W. (1973) Biochem. J. 132, 193-201. “Cell-free protein synthesis in heart and skeletal muscles from cardiomyopathic hamsters.”

Jones, P.A., Gevers, W and Hawtrey, A.O.. (1973) Biochem. J. 135, 375-378. “Evidence for the binding of the carcinogen 3-methylcholanthrene to both the purine and the pyrimidine bases of hamster fibroblast deoxyribonucleic acid.”

Bester, A.J., Gevers, W. (1973) Biochem. J. 132, 203-214. “Evidence for defective transfer ribonucleic acid in cardiomyopathic hamsters and its inhibitory effect on protein synthesis.”

Bester. A.J., Gevers, W., Hawtrey, A.O. (1973) Recent Advances in Cardiac Structure and Metabolism, 2, 533-541. “A possible defect in protein synthesis underlying inherited cardiomyopathy of Syrian hamsters.”

Lochner, A., Opie, L.H., Gray, A., Owen, P., Bruyneel, K., van der Walt, J.J., Kotze, J.C.N., Gevers, W. (1975) Recent Advances in Studies on Cardiac Structure and Metabolism 3, 685-691. “Coronary artery ligation in the baboon as a mode of acute myocardial infraction: Failure of glucose, potassium and insulin treatment to influence mitochondrial metabolism and energetics.”

Gevers, W., Jones, P.A., Coetzee, G.A., van der Westhuyzen, D.R. (1974) Lipmann Symposium: Energy, Biosynthesis and Regulation in molecular Biology: D. Richter, Ed Walter de Gruyter, Berlin 225-235. “Biochemical development of the heart in Syrian hamsters.”

Bester, A.J., Gevers, W. (1975) J. Mol. and Cell. Cardiol. 2, 325-344. “The synthesis of myofibrillar and soluble proteins in cell-free systems and intact cultured muscle cells from new-born cardiomyopathic hamsters.

Lochner, A., Opie, L.H., Owen, P., Kotze, J.C.N., Bruyneel, K., Gevers, W. (1975) J. of Mol. and Cell. Cardiol. 7, 203-217. “Oxidative phosphorylation in infarcting baboon and dog myocardium: Effects of mitochondiral isolation and incubation media.”

Gevers, W. (1975) Forensic Science 6, 25-29, “ Biochemical aspects of cell death.”

Hough, F.S., Gevers, W. (1975) S.A, Med J. 49, 538-543. “Catecholamine release as mediator of intracellular enzyme activation in ischaemic perfused rat hearts.”

Lochner, A., Kotze, J.C.N., Gevers, W. (1976) J. Mol. and Cell. Cardiol. 8, 465-480. “Mitochondrial oxidative phosphorylation in myocardial anoxia: Effects of albumin.”

Lochner, A., Kotze, J.C.N., Gevers, W. (1976) J. Mol. Cell. Cardiol. 8, 575-584. “Mitochondrial oxidative phosphorylation in myocardial ischaemia: Effects of glycerol, glucose and insulin on anoxic hearts perfused at low pressure.”

Coetzee, G.A., van der Westhuyzen, D.R., Gevers, W. (1977) Biochem J. 164, 635-643. “Effects of 5-bromo-2’-deoxyuridine on beating heart cell cultures from neonatal hamsters.”

Coetzee, G.A., Gevers, W. (1977) Biochem J. 164, 645-652. “5-bromo-2’-deoxyuridine stimulated calcium or magnesium ion-dependent ecto-(adenosine triphosphatase) activity of cultured hamster cardiac cells.”

**Constantinides, P.G., Jones, P.A., Gevers, W. (1977) Nature 267, 364-366. “Formation of functional striated muscle cells from non-myoblast precursors following treatment with 5-azacytidine.”**

**Gevers, W. (1977) J. Molec. Cell. Cardiol, 9, 867-874. “Generation of protons by metabolic processes in heart cells.”**

Bester, A.J., Pammenter, J., Gevers, W., van Jaarsveld, P. (1977) Biochem. Biophys. Res. Commun. 78, 230-236. “Translation of 33S mRNA prepared from bovine thyroid glands into thyroglobulin-like proteins in a reticulocyte lysate cell-free system.”

Carroll, E., Jones, P.A., Gevers, W. (1978) S.A. of Sci. 74, 109-110. “Angiotensin- converting enzyme in cultured cells.”

Boyd, C.D., Gevers, W. (1978) S.A. J. of Sci, 74, 150. “RNA-dependent RNA polymerase from chick embryo skeletal muscle: characterization of product and primer.”

Coetzee, G.A., Gevers, W. (1978) Develop. Biol. 63, 128. “Myosin in primary cultures of hamster heart cells.”

Coetzee, G.A., Gevers, W. (1978) S.A. J. of Sci. 74, 255. “Positive chronotropic responses of cultured hamster heart cells to known adrenergic agents: the role of Ca2+11.”

De Kock, A., Lochner, A., Kotze, J.C.N., Gevers, W. (1978) Basic Res. Cardiol. 73, 506. “The hypoxic, low-flow perfused rat heart: Characterization as a model of global ischaemia.”

Hargey, M., Boyd, C.D., Gevers, W. (1978) S.A. J. of Sci. 74, 180. “Cytoplasmic terminal ribonucleotidyl transferases in immature avian erythrocytes.”

Lochner, A., Aulinskas, T., Kotze, J.C.N., Gevers, W. (1978) S.A. J. of Sci. 74, 168. “Mitochondrial function in myocardial ischaemia: Importance of mitochondrial yields.”

Lochner, A., Kotze, J.C.N., Benade, A.J.S., Gevers, W. (1978) J. Mol. Cell. Cardiol. 109, 857. “Mitochondrial oxidative phosphorylation in low-flow hypoxia: Role of free fatty acids.”

Gevers, W. (1979) J. Molec. and Cell Cardiol. 11, 325. “Generation of protons by metabolic processes other than glycolysis in muscle cells: A Critical View”. Reply to Letter.

Jones, P.A., Burden, T.S., Gevers, W. (1979) Proc. Natl. Acad. Sci. USA. 76, 353. “Glycoprotein, elastin, and collagen secretion by rat smooth muscle cells.”

Burden, T.S., Davies, P.J., Gevers, W. (1979) Biochem. & Biophys. Res. Commun. 91, 739-746. “Elastin biosynthesis by smooth muscle cells cultured under scorbutic conditions.”

Lochner, A., Kotze, J.C.N., Gevers, W., Benade, A.J.S. (1979) Basic Res. Cardiol. 74, 303-312. “Substrate effects of mitochondrial function and tissue lipids in low flow hypoxia of isolated perfused rat hearts.”

Resink, T.J., Coetzee, G.A., Gevers., W. (1979) S.A. Med. J. 56, 897-905. “Cardiac myofribrillar phosphorylation and adenosine triphosphatase activity.”

Coetzee, G.A., Gevers, W., van der Westhuyzen, D.R., (1980) Artery 7, 1-15. “Plasmin-treated low density lipoproteins: polypeptide analyses and metabolism by cultured smooth muscle cells.”

Constantinides, P.G., Scott-Burden, T., Gevers, W. (1980) S.A. J. of Sci. 76, 429. “Contrasting activity of two 5-aza-analogues of cytidine in the induction of muscle differentiation of cultured mouse embryo cells.”

Constantinides, P.G., Scott-Burden, T., Gevers, W. (1980) Biochemistry International 1, 24-31. “Contrasting activity of two 5-aza-analogues of cytidine in the induction of muscle differentiation in culture mouse embryo cells.”

**Van der Westhuyzen, D.R., Gevers, W., Coetzee, G.A., (1980) Eur. J. Biochem. 112, 153-160. “Cathepsin D-dependent initiation of the hydrolysis by lysosomal enzymes of apoprotein B from low-density lipoproteins.”**

Gevers, W. (1980) S. Afri. J. Sci. 76, 439. “Calmodulin. The Law of Increasing Returns.”

**Resink, T.J., Gevers, W. (1981) Cell Calcium, 2, 105-123. “Altered adenosine triphosphatase activities of natural actomyosin from rat hearts perfused with isoprenaline and ouabain.”**

Resink, T.J., Gevers, W., Noakes, T.D., Opie, L.H. (1981) J. Mol. Cell. Cardiol. 13, 679-694. “Increased cardiac myosin ATPase activity as a biochemical adaptation to running-training: Enhanced response to catecholamines and a role for myosin phosphorylation.”

**Aulinskas, T.H., van der Westhuyzen, D.R., Bierman, E.L., Gevers, W. (1981) Biochimica et Biophysica Acta. 664, 255-265. “Retro-endocytosis of low-density lipoprotein by cultured bovine aortic smooth muscle cells.”**

Gevers, W. (1981) S.A. Med. J. 59, 406-408. “Calcium: the Managing Director.”

Levin, L., Gevers, W. (1981) S.A. Med. J. 69, 518-521. “Metabolic alterations in cancer. I. Carbohydrate metabolism.”

Levin, L., Gevers, W. (1981) S.A. Med. J. 59, 553-556. “Metabolic alterations in cancer. II. Protein and fat metabolism.”

Resink, T.J., Gevers, W., Noakes, T.D. (1981) J. Mol. Cell. Cardiol. 13, 753-765. “Effects of extracellular calcium concentrations on myosin P light chain phosphorylation in hearts from running trained rats.”

Resink, T.J., Gevers, W. (1982) J. Mol. Cell. Cardiol, 143, 329-337. “Dephosphorylation of myofibrillar proteins in actomyosin preparations and in isolated perfused rat hearts after B-agonist withdrawal.”

Aulinskas, T.H., Coetzee, G.A., Gevers, W., van der Westhuyzen, D.R. (1982) Biochem. Biophys. Res. Commun. 107, 1551-1558. “Evidence that recycling of low density lipoprotein receptors does not depend on delivery of receptors to lysosomes.”

**Coetzee, G.A., van der Westhuyzen, D.R., Berger, G.M.B., Henderson, H.E., Gevers, W. (1982) Arteriosclerosis. 2, 303-311. “Low density lipoprotein metabolism in cultured fibroblasts from a new group of patients presenting clinically with homozygous familial hypercholesterolemia.”**

Parker, M.I., Judge, K., Gevers, W. (1982) Nucleic Acids Res. 10, 5879-5891, “Loss of type I procollagen gene expression in SV40-transformed human fibroblasts is accompanied by hypermethylation of these genes.”

Noakes, T.D., Cowling, J.R., Gevers, W., van Niekerk, J.P. de V. (1982) S.A. Med. J. 62, 721-723. “The Metabolic response to squash including the influence of pre-exercise carbohydrate ingestion.”

Ismail, F. and Gevers, W. (1983) Biochem. Int. 6, 199. “Soluble and particulate forms of muscle alkaline proteinase show differential sensitivity to endogenous inhibitor(s).”

Ismail, F., Gevers, W. (1983) Biochem. Biophys, Acta. 742, 399-408. “A high molecular weight cysteine endoprotease from rat skeletal muscle.”

Diehl, T., Scott-Burden, T. and Gevers, W. (1983) Biochem. Int. 6, 29-41. “Sulphate turnover of surface proteoglycans in cultured rat smooth muscle cells.”

Scott-Burden, T., Murray, E. and Gevers, W. (1983) Hoppe Seyler’s Z. Physiol. Chem., (1983) 364, 61-700. “Glycosaminoglycan synthesis by smooth muscle cells cultured in the absence and presence of ascorbic acid.”

Levin, L., Gevers, W., Jardine, L., de Guel, F.J.M., Duncan, E.J. (1983) Eur. J. Cancer. Clin. Oncol. 18 (11). “Serum amino acids in weight-losing patients with cancer and tuberculosis.”

Higgs, D.W., van der Westhuyzen, D.R., Gevers, W., Coetzee, G.A., Stein, O., Stein, Y. (1983) Arteriosclerosis. 4 (3): 208-213. “In vitro metabolism of low density lipoprotein labelled with a non-degradable cholesteryl ester analog.”

Van der Westhuyzen, D.R., Coetzee, G.A., Demasius, I.P.C., Harley, E.H., Gevers, W. (1983) Arteriosclerosis 4 (3): 238-247, 1984. “Low density lipoprotein receptor mutations in South African homozygous familial hypercholesterolemic patients.”

Gevers, W. (1984) J. Mol. Cell. Cardiol. 16, 3-32. “Protein metabolism of the heart.”

Gevers, W. (1984) “Calcium and the contractile mechanism in heart and smooth muscle.” In: Calcium Antagonists and Cardiovascular Disease, ed. L.H. Opie. Raven Press, New York, pp. 67-74.

**Gevers, W. (1984) J. Mol. Cell. Cardiol. 16, 587-590. “The unsolved problem of whether and when myosin light-chain phosphorylation is important to the heart.”**

Parker, M.I., Gevers, W. (1984) Biochem. Biophys. Res. Commun. 124 (1), 236-243. “Demethylation of the type 1 procollagen genes in transformed fibroblasts treated with 5-azacytidine.”

**Aulinskas, T.H., Oram, J.F., Bierman, E.L., Coetzee, G.A., Gevers, W., van der Westhuyzen, D.R. (1985) Arteriosclerosis (AHA) 5, 45-54. “Retro-endocytosis of low-density lipoprotein by cultured human skin fibroblasts.”**

Parker, M.I., Gevers, W. (1984) S.A. Cancer Bulletin 28 (1), 44-51. “DNA methylation and cancer.”

Jardine, L.G., Levin, L., Gevers, W. (1984) Breast Cancer Res. Treat. 4, 227. “Comparison of muscle and fast wasting in patients suffering from breast and other cancers: An anthropometric study.”

Gevers, W. (1984) “Synthesis and turnover of cardiac proteins.” In: The Heart, Opie, L.H., Ed., Grune and Stratton, London.

Gevers, W. (1984) “The mechanism of myocardial contraction.” In: The Heart, Opie, L.H. Ed., Grune and Straton, London.

Nayler, W., Gevers, W., Opie, L.H. (1984) “Heart cells and organelles.” In: The Heart, Opie, L.H., Ed., Grune and Stratton, London.

Opie, L.H., Nayler, W., Gevers, W. (1984) “Calcium fluxes.” In: The Heart, Opie, L.H., Ed., Grune and Stratton, London.

Haag, M., Gevers, W., Hohmer, G. (1985) Mol. Cell, Biochem. 66, 111-116. “The interaction between calcium and the activation of Na+, K+-ATPase by noradrenaline.”

Miller, J.L., Ismail, F., Waligora, J.K., Gevers, W. (1985) Endocrinology 117, 869-871. “Modulating influence of D,L-propanolol in triiodothyronine-induced skeletal muscle protein degration.”

Watson, R.G.K., Hickman, R., Berkman, A.C., Gevers, W. (1985) Surg. Gyn. Obstet. 161, 57-63. “Lysosomal acid hydrolase alterations in gastric mucosa from an experimental peptic ulcer model.”

Gevers, W. (1985) “Skeletal and cardiac muscle as models for the study of membrane function and its disturbances in disease.” In: Membranes and Muscle, Eds. Berman, M.C., Gevers, W., Opie, L.H. Oxford: IRL Press.

Gevers, W., Coetzee, G.A., van der Westhuyzen, D.R. (1986) “Biological and clinical implications of LDL receptors.” In: Biochemistry and Biology of Plasma Lipoprotein, Eds. Scanu, A.M., Spector, A., New York: Marcel Dekker, Inc.

De Haan, J., Gevers, W., Parker, M.I. (1986) Cancer Research 46, 13-16. “Effects of sodium butyrate on the synthesis and methylation of DNA in normal cells and their transformed counterparts.”

Parker, M.I., de Haan, J., Gevers, W. (1986) J. Biol. Chem. 261, 1786-2790. “DNA hypermethylation in sodium butyrate-treated WI-38 fibroblasts.”

Burden, T.S., Gevers, W. (1987) “Metabolism of glycosaminoglycans by cultured heart cells”. In: The Heart Cell in Culture. Ed. Pinson, A., CRC Press. Vol. III.

Gevers, W. (1986) S. Afr. Med. J. (Supplement, 16 Aug.) 8-9. “What is familial hypercholesterolaemia? ”.

Gevers, W.(1986) S. Afr. Med. J. (supplement, 16 Aug.) 14. “Specialized investigations for familial hypercholesterolaemia in the future”.

Hiss, D., Scott-Burden, T., Gevers, W. (1987) Eur. J. Biochem. 162, 89-94. “Disulfide-bonded heparan sulfate proteoglycans associated with the surface of cultured bovine vascular endothelial cells.”

Sanan, D.A., van der Westhuyzen, D.R., Gevers, W., Coetzee, G.A. (1987) Histochemistry 86, 517-523. “The surface distribution of low density lipoprotein receptors on cultured fibroblasts and endothelial cells. Ultrastructural evidence for dispersed receptors.”

Coetzee, G.A., Hendricks, D.T., Gevers, W., van der Westhuyzen, D.R. (1987) “Preferential uptake of core lipids of HDL, by Hep G2 cells”. In: Gallo, L.L. ed. VIth International Washington Spring Symposium, Cardiovascular Disease ’86. Plenum Press, 145-150.

Gevers, W. (1987) S. Afr. Med. J., 72, 39-42. “Mucus and mucins.”

**Gevers, W. (1987) S. Afr. Med. J., 72, 783-787. “The regulation of metabolite fluxes and concentrations in living cells and organisms.”**

**Gevers, W., Casciola, L.A.F., Fourie, A.M., Sanan, D.A., Coetzee, G.A., van der Westhuyzen, D.R. (1987) Biol Chem. Hoppe-Seyler, 368: 1233-1243. “Defective LDL receptors that are common in a large population: familial hypercholesterolaemia in South Africa.”**

Gevers, W. (1988) The Roots of Modern Biochemistry, eds. Kleinkauf, von Dohren, Jaenicke, pp. 95-104. “Communication in Metabolic Control.”

Gevers, W. (1988) S.A. Medical Research: Twenty Years of Growth, Brink, A.J.,ed. Owen Burgess Publishers, pp. 173-181. “Lipids and their link with vascular disease.”

Casciola, L.A.F., van der Westhuyzen, D.R., Gevers, W., Coetzee, G.A. (1988) J. Lipid Res. 29, 1481-1489. “Low density lipoprotein receptor degradation is influenced by a mediator protein(s) with a rapid turnover rate but is unaffected by receptor up-and down-regulation.”

**Fourie, A.M., Coetzee, G.A., Gevers, W., van der Westhuyzen, D.R., (1988) Biochem J. 255, 411-415. “Two mutant low density lipoprotein receptors in Afrikaners slowly processed to surface forms exhibiting rapid degradation or functional heterogeneity.”**

Rossouw, J.E., Steyn, K.J., Berger, G.M.B., Vermaak, W.J.H., Kok, J., Seftel, H.C., Gevers, W. (1988) S.A. Med. J. 73, 693-700. “Action limits for serum total cholesterol.”

Gevers, W. (1988) S.A.J. Sci. 84, 596. “Thrifty genes versus imprudent lifestyle: can people afford to be fat?”

Parker, M.I., Smith, A.A., Gevers, W. (1989) J. Biol. Chem. 264, 7147-7151. “Absence of a2(1) procollagen synthesis in a clone of SV40-transformed WI-38 human fibroblasts.”

Sanan, D.A., van der Westhuyzen, D.R., Gevers, W., Coetzee, G.A. (1989) Eur. J. Cell Biol. 48, 327-336. “Early appearance of dispersed low density lipoprotein receptors on the fibroblast surface during recycling.”

**Casciola, L.A.F., Grant, K.I., Gevers, W., Coetzee, G.A., van der Westhuyzen, D.R. (1989) Biochem J. 262, 681-684. “Low density lipoprotein receptors in human fibroblasts are not degraded in lysosomes.”**

Davis, C.M., Constantinides, P.G., van der Riet, F., van Schalkwyk, L., Gevers, W., Parker, M.I. (1989) Cell Differentiation and Development 27, 83-93. “Activation and demethylation of the intracisternal A particle genes by 5-azacytidine.”

Gevers, W. (1989) S.A. Med J. 78, 393-394. “Three mutations that cause familial hypercholesterolaemia in Afrikaners identified – A milestone in South African medicine.”

Gevers, W, (1989) Trans. Roy. Soc. S. Afr. 47, Part 2, 111-118. “The Art of the Insoluble”, Presidential Lecture.

Grant, K.I., Casciola, L.A.F., Coetzee, G.A., Sanan, D.A., Gevers, W., van der Westhuyzen, D.R. (1990) J. Biol. Chem. 265, 4041-4047. “Ammonium chloride causes reversible inhibition of low density lipoprotein receptor recycling and accelerates receptor degradation.”

Van der Westhuyzen, D.R., Fourie, A.M., Coetzee, G.A., Gevers, W. (1990) Current Opinion in Lipidology 1, 128-135. “The LDL receptor.”

Arnold, J.E., Gevers, W. (1990) Biochem. J. 267, 751-757. “Auto-unbiquitination of ubiquitin-activating enzymes from chicken breast muscle.”

**Rubinsztein, D.C., Cohen, J.C., Berger, G.M., van der Westhuyzen, D.R., Coetzee, G.A., Gevers, W. (1990) J. Clin. Invest. 86, 1306-1312. “Chylomicron remnant clearance from the plasma is normal in familial hypercholesterolemic homozygotes with defines receptor defects.”**

Dennis, S.C., Gevers, W., Opie, L.H. (1991) J. Mol. Cell. Cardiol. 23, 1077-1086. “Protons in ischemia: where do they come from: where to they go to?”

Goldberg, Y.P., Parker, M.I., Gevers, W. (1991) S.A. Med. J. 80, 99-104. “The genetic basis of cancer.”

Graadt van Roggen, F., van der Westhuyzen, D.R., Marais, A.D., Gevers, W., Coetzee, G.H. (1991) Human Genet. 88, 204-206. “LDL receptor founder mutation in Afrikaner FH patients: a comparison of two geographical areas.”

**Fourie, A.M., Coetzee, G.A., Gevers, W., van der Westhuyzen, D.R. (1992) Biochemistry 31, 12754-12759. “LDL receptor point mutation results in expression of both active and inactive surface forms of the same mutant receptor.”**

**LIST OF NON-RESEARCH PUBLICATIONS 1978 – 2016**

Gevers, W. ‘Personality, creativity and achievement in science’ UCT Inaugural

Lectures, 1978 New Series no 55.

Gevers, W. 'Royal Society of South Africa Presidential Lecture 1989: The

art of the insoluble' Trans Roy Soc SAf 1989, 47: 111-118.

Gevers, W ‘Comment and response to Science, Evolution and Schooling

in South Africa’ in ‘The Architect and the Scaffold: Evolution

and Education in South Africa’. James, W and Wilson, L, eds.

HSRC Press 2002 pp.45-55

Gevers, W. ‘The social sciences, the human genome and human nature’ SA

Med J. 2003, 100: 354-356.

Gevers, W. ‘Academy of Science of South Africa Presidential Lecture 2003:

Science’ or ‘Sciences- the difference one letter makes’ S A J Sci.

203, 100: 235-236.

Gevers, W ‘Speaking truth to power in South Africa: Nutritional influences on

HIV infection and tuberculosis’ S A J Sci 2007, 103:266-268

Gevers, W. ‘Better biology, better medicine, better health? The role of South

African higher education in reducing the disease burden of this

country and the continent’ in ‘Biotechnology and Health’

Chataway, J and James, W van Schaik, Cape Town. 2007 pp 8 - 16

Mouton, J M & Gevers, W .’Introduction to the State of Science in South

Africa’ in ‘The State of Science in South Africa’ eds Diab, R and

Gevers, W ASSAf: 2009, pp 39-67

Gevers, W ‘Globalizing science publishing’ Science 2009, 325: 920

Gevers, W ‘Clinical research in South Africa: a core asset under pressure’

Lancet 2009, 374:760-762

Gevers, W ‘ASSAf turns 20: young enough to be dynamic and old enough to

be trusted with its mission’ S A J Sci 2016, 112: 1-2

Gevers, W ‘Helping to lead a university - a job not what it seems ‘ in ‘Reflections

of South African University Leaders’, African Minds, CHE. Pretoria

2016 pp 17-42

G Simpson and W Gevers ‘Research’ in ‘South African Higher Education

Reviewed’ CHE. Pretoria 2016 pp 193-240

**LIST OF NATIONAL REVIEW REPORTS 2003-2012**

‘Institutional Review of the National Advisory Council on Innovation’. W Gevers et al 2003

‘Institutional Review of the National Research Foundation’. W Gevers et al 2005

‘Evidence-based Practice , ASSAf Report’, 2005 eds J D Jansen , W Gevers and X Mati

‘A Strategic Approach to Research Publishing in South Africa’, ASSAf Report 2006, eds W Gevers et al

‘Science-based Improvements of Rural/Subsistence Agriculture’ eds S Ntutela, W Gevers, R Ramaite, ASSAf Forum Report 2006

‘HIV/AIDs, TB and Nutrition’, ASSAf Report 2007, eds B Mendelow, W Gevers, et al

‘Scholarly Books: Their Production, Use and Evaluation in South Africa Today’, ASSAf Report 2009, eds W Gevers et al

‘ The State of Science in South Africa Today’, ASSAf 2009, eds R Diab and W

Gevers

‘The Revitalisation of Clinical Research in South Africa’, ASSAf Report 2009, eds B Mayosi, W Gevers et al

‘Institutional Review of the Medical Research Council’. W Gevers et al 2010

‘Final Report on the Science, Technology and Innovation Landscape in South Africa’, L Nongxa, W Gevers et al 2012

‘A proposal for undergraduate curriculum reform in South Africa: The case for a flexible curriculum structure’ N Ndebele, N Badsha, B Figaji, W Gevers & B Pityana. CHE, 2013

‘Helping to lead a university - a job not what it seems ‘, W Gevers in ‘Reflections of South African University Leaders’, African Minds, CHE. Pretoria 2016

‘Research’ in ‘South African higher Education Reviewed’ , G Simpson, W Gevers et al CHE Pretoria 2016

WG full CV 2016 last upd..doc