

80th Birthday Celebration Symposium in honour of Professor Wieland Gevers

PROGRAMME

MONDAY 27 NOVEMBER 2017

Beyond the Canonical Roles of Metabolism: Reflections and Looking Ahead

09h15 **Tea/Coffee**, Wolfson Pavilion foyer

09h45 **Welcome** by Iqbal Parker, Department of Integrative Biomedical Sciences (IBMS), UCT, and Jonathan Jansen, Academy of Science of South Africa

SESSION 1 Chaired by Ed Sturrock, IBMS, UCT

10h00 Siamon Gordon FRS, Sir William Dunn School of Pathology, University of Oxford
In Wieland's footsteps, from Cape Town to Oxford and New York

10h40 Tony Segal FRS, Centre for Molecular Medicine, University College London
NADPH oxidases as electrochemical generators to produce ion fluxes and turgor in fungi, plants and humans

11h20 Bob Millar, Centre for Neuroendocrinology, University of Pretoria & Receptor Biology Group, UCT
Rescuing function of GPCR inactivating mutations: a new therapeutic paradigm

12h00 Jannie Hofmeyr, Centre for Studies in Complexity, Stellenbosch University
The cell's molecular economy: from metabolism to autophagy

12h40 Lunch, Wolfson Pavilion foyer

SESSION 2 Chaired by Iqbal Parker, IBMS, UCT

13h30 Musa Mhlanga, CSIR-UCT Biomedical Translational Research Initiative & IBMS, UCT
Noise in biology: from signalling pathways to gene expression

14h00 Mohlopheni J. Marakalala, Division of Immunology, UCT
Lessons from human TB granulomas: from inflammation to nutritional immunity

14h30 Jo-Ann Passmore, Division of Medical Virology, UCT
Mucosal barriers in HIV susceptibility

15h00 Virna Leaner, Division of Medical Biochemistry, UCT
Cancer biomarkers and therapeutic targets: targeting nuclear transporters

15h30 Dave Marais, Division of Chemical Pathology, UCT
Dysbetalipoproteinaemia: matching phenotype and genotype in ZA

16h00 Valerie Mizrahi, IDM, UCT
Opportunities and challenges in targeting metabolic vulnerabilities in Mycobacterium tuberculosis

16h30 Wieland Gevers
Luck and necessity – the mystery of an unforeseen life in Science

17h15 Concluding remarks
Siamon Gordon FRS, Sir William Dunn School of Pathology, University of Oxford

17h30 **COCKTAIL RECEPTION**, Wolfson Pavilion foyer