



**Prof John Annandale** was appointed as a lecturer at UP in the Department of Plant Production where he also completed his MScAgric degree, and then his PhD in Soil Physics at Washington State University in 1991. Prof Annandale returned to the Department in 1992 and has climbed the ranks to Full Professor and is now acting Head of the Department. Professor Annandale has developed and taught courses in Agronomy, Irrigation Management, Agricultural Climatology and Environmental Biophysics. He has supervised or co-supervised over 20 masters' and 10 PhD students, and his group has received numerous awards for their papers and presentations at congresses. He is a Fellow of the South African Society of Crop Production and has published close to 60 peer reviewed papers in scientific journals.

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**Dr Natalie Aneck-Hahn** is a Director of the Environmental Chemical Pollution and Health (ECPH) Research Unit in the Faculty of Health Sciences at UP. She is also currently an Extra-ordinary Lecturer in the School of Health Systems and Public Health.

Dr Aneck-Hahn obtained her Dtech degree in 2003 and completed a Post-fellowship at the School of Health Systems and Public Health under the leadership of Prof Christiaan de Jager. She is currently on the Global Water Research Coalition's EDC Toolbox II project, investigating additional EDC bioassays.

Dr Aneck-Hahn has 13 publications in peer-reviewed/refereed journals and seven published full-length conference papers/keynote addresses as co-author.

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**Prof Roumen Anguelov** is a professor in the Department of Mathematics and Applied Mathematics at UP. His primary research area is differential equations and their numerical analysis with the main emphasis on reliable numerical computations.

In recent years Prof Anguelov's work has focused largely on applications to biological sciences. He plays a key role at the University in promoting inter-disciplinary collaboration in the general field of biomathematics and is instrumental in the organisation of initiatives such as the Biomath Forum series of lectures. His research can be applied to issues such as population dynamics and epidemiology: zoonotic diseases, vector-borne infections, mosquito control, gene-drive into population and ecological systems.

Prof Anguelov received a B-rating from the NRF.

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**Prof Zeno Apostolides** is Head of the Complementary and Alternative Medicines Laboratory at the UP. He completed his BSc, and MSc degrees, majoring in Chemistry and Biochemistry, at the University of Pretoria. His DSc was partly done at the UP and the University of Delaware in the USA while on a Fulbright Scholarship.

He is the founder and leader of the Tea Research Laboratory that had been doing research on various projects in the tea industry. He has presented keynote addresses at international conferences in Kenya, China and Japan.

He has served on the editorial boards of several journals, and is the former editor of the *International Journal of Tea Science*. His current h-index = 13 and NRF rating = C. Prof Apostolides has a passion for medicinal plants and identifying the best cultivars (chemotypes) for high-potency health properties by metabolomic and genomic studies. He also acts as co-supervisor for students evaluating health properties of peptides and functional biomolecules.

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**Prof Theresa Aveling** is associate professor in Microbiology and Plant Pathology in the UP Faculty of Natural and Agricultural Sciences. She is a widely-regarded seed scientist with experience in seed technology, vigour, germination and seed health. Prof Aveling served as Chair of the International Seed Testing Association (ISTA) Seed Health Committee since 2006. She is a work package leader in the EU FP7 TESTA project on seed research and has conducted private research for chemical and seed companies.

Her participation in the IFNuW programme recognises the importance of securing food production through the safeguarding of the seed. The research involves general seed health and the role of seed treatments, both chemical and alternative, and the improvement of seed germination and vigour of a range of crops.

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**Prof Megan Bester** – Associate Professor, Head of Section: Histology, Cell Biology and Embryology, Department of Anatomy, Faculty of Health Sciences, University of Pretoria.

Prof Bester has a PhD in Medical Biochemistry and is an established in the field of research related to the evaluation of molecules and complex mixtures for toxicity and health benefits. Expertise has been developed in the field of cell- and animal based models for the evaluation of safety, toxicity of these products at a tissue and cellular. A well-established postgraduate program allows students to obtain research based degrees in this field. Other research areas within this group related to Food, Nutrition and Well-being is the role of functional food products in reducing heavy metal induced oxidative damage.

Field of interest relevant to the IRT: Use of cell based models for the evaluation of functional food for health benefits such as antioxidant and anti-inflammatory effects. Products evaluated include honey from southern Africa, tea, medicinal plants and bio-active peptides. Identification of constituent molecules and understanding the mode of action is an area of research.

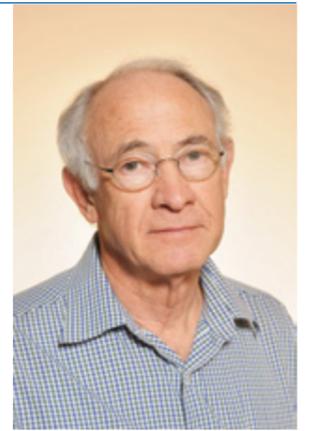
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**Prof Chris Blignaut** is Professor in Agricultural Economics, Extension and Rural Development. He obtained his B and MSc degrees from the UP and his doctorate from the University of the Free State, where he was a member of the faculty and head of the Department of Agricultural Economics when he left during 1986 to join government.

He currently teaches agricultural finance and international trade in agricultural products. As from the beginning of 2012 he has chaired Milk SA's Board of Directors and researched and compiled the Dairy Development Initiative (2000). He has published more than 35 scientific and more than 100 popular articles, and contributed chapters to two books and wrote many official and scientific reports. Prof Blignaut contributed to the Committee Investigating Increasing Food Prices (2002) and the Price Monitoring Committee (2003). He is an honorary member of the Agricultural Economics Association of SA (AEASA), as well as having received various study and travel bursaries and grants.

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**Prof Riana Bornman** is Head of Andrology and Extraordinary Professor at the UP Department of Urology. Since 2002 her Public Health focus has been on health effects in malarial areas where insecticides, including DDT – a known endocrine disrupter and toxicant – are applied for mosquito vector control with inadvertent exposure of humans and the environment.

She is an NRF-rated researcher, member of the UP Centre for Sustainable Malaria Vector Control (UPCSMC) and served on several World Health Organisation committees. Scientific data from human and environmental studies in Vhembe were incorporated in the WHO DDT Health Risk Assessment (2011). She has compiled various reports for the Water Research Commission on endocrine disrupters, DDT and human and environmental health effects.

Most recently she served on the expert panel that compiled “*The State of the Science on EDC 2012*” for the United Nations Environment Programme (UNEP) and the World Health Organisation. Prof Bornman holds membership of various national and international societies, including the International Society of Environmental Epidemiology (ISEE), the Society of Environmental Toxicology and Chemistry (Europe) (SETAC) and the African Branch of the Society of Environmental Toxicology and Chemistry (SETAC Africa).

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**Dr Francien Botha** is a senior lecturer in the Department of Paraclinical Sciences, Phytomedicine Programme in the UP Faculty of Veterinary Sciences. She has lectured Microbiology in different faculties. She acquired an MSc Veterinary Microbiology and worked at the Faculty of Veterinary Sciences at MEDUNSA, the Department of Microbiology and Plant Pathology University of Pretoria, and at the Animal and Dairy Science Research Institute.

Her research focuses on antimicrobial activity of natural products against zoonotic diseases and infection by several microorganisms and fungi, trying to improve animal and human health and to make food products from animals more safe for consumption. She is the author and co-author of several scientific publications and abstracts published in scientific journals and deliver numerous scientific presentations at national and international congresses.

Dr Botha is also involved in a variety of research projects in collaboration with the following Departments and Institutions: the Laboratory for Microscopy and Microanalysis, the Department of Botany, the Department of Food Sciences, the Faculty of Natural and Agricultural Science, at the University of Pretoria and the Onderstepoort Veterinary Institute.

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**Ms Karien Botha** is a lecturer in Educational Psychology at the UP. She is interested in the psycho-social well-being and support given by teachers to learners and their communities within the school environment – especially in resource-constrained communities.

She holds expertise in the field of learning support methods to accommodate diverse learners. Through her teaching experience she has formed a well-constructed body of knowledge about children, teaching and learning support. Her experience in learning support and teaching gave her the opportunity to establish networks that promote effective communication between learners, teachers and parents, as well as with government organisations. Community development also became evident in the development of her professional career. During her studies thus far she has been involved in a variety of projects aimed to benefit communities and individuals.

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**Ms Cerkia Bramley** is a qualified attorney and agricultural economist. She is an agricultural and food law specialist with a particular interest in the role of law in food system governance. Ms Bramley is currently a researcher at the Institute for Food, Nutrition and Well-being (IFNUW) at the University of Pretoria.

She completed a master's degree in Agricultural Economics at the University of Pretoria. Her thesis explored the relevance of geographical indications in the South African Agricultural sector.

She has participated in various projects related to the economics of food quality. Her research interests include intellectual property and food labelling issues in an international trade context, food standards and the role of the State in supporting differentiation strategies in the agricultural sector.

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**Prof Elna Buys** obtained her BSc degree in microbiology at Stellenbosch University, her MSc at the University of Pretoria and her PhD degree from the University of the Witwatersrand. She was employed as a researcher at the Agricultural Research Council, Irene for 11 years and joined the Department of Food Science, University of Pretoria in 2001. She was appointed Head of the Department of Food Science at the UP in February 2012.

Her research has focused on the shelf life extension of meat and dairy products and in particularly elucidating the effect that food processing has on the physiology and structure of spoilage and pathogenic bacteria. She is a NRF C2-rated scientist and recently spent five months studying and conducting research at the University of Valencia Spain.

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**Prof Norman Casey** graduated from the University of Natal (BSc (Agric); MSc (Agric)) and the University of Pretoria (DSc (Agric)). In 1979, he accepted an academic appointment at the University of Pretoria in livestock production physiology. As professor, he was the Head of the Department of Animal and Wildlife Sciences from 1992 to 2005. He is chairperson of the Ethics Committee of the Faculty of Natural and Agricultural Sciences and sits on the Senate Committee on Research Ethics and Integrity. He is Honorary President and a former President of the South African Society of Animal Science and is a Ministerial appointee on the Council for Natural Scientific Professions of which he is currently the President. He is President of the World Association of Animal Production, was Vice-president of the International Goat Association and chaired the 8th International Conference on Goats and 9th International Symposium on Ruminant Physiology.

His research, academic prowess and intense interest in Animal Science have been recognised through numerous awards. His publications are 85 in science journals; 24 scripts in books and reference manuals; more than a hundred and sixty associated with conference contributions, information publications and technical reports. Sixty-nine graduate candidates have signed off under his supervision. He has more than three decades of experience in livestock science and water quality for livestock. He has done extensive research on water quality and its effect on animal health and has written guidelines and easy to use hand reference documents. His research and publications are continuing in the field of livestock production physiology.

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**Dr Magdalena Coetzee** is a senior lecturer in UP's Physiology Department. She is co-author of a number of research publications and acts as supervisor for postgraduate students. She conducted research visits to various international facilities including the Department of Medical Sciences, Uppsala University Hospital, Sweden; Nordic Bioscience, Herlev, Denmark; and the Institute of Food, Nutrition and Human Health, Massey University, New Zealand.

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**Dr Nicoleen Coetzee** obtained her PhD (Psychology) in 2006 at the University of Limpopo: Medunsa Campus. She lectured at the University of Limpopo and acted as the Coordinator for the Research Methodology Course (REME) as well as the Protocol Development Course (PROD). In 2006 she accepted a position at the University of Johannesburg and focused her research on Sport Psychology. She joined the University of Pretoria in 2010. She is currently the coordinator for the coursework MA Research Psychology Programme. She has lectured supervised studies and reviewed book chapters as well as articles related to the field of Positive Psychology.

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**Prof Steve Cornelius** is professor in the Department of Private Law and holds the degrees Bluris LLB (Unisa) LLD (Pret). He is admitted as Advocate of the High Court of South Africa. He teaches Law of Contract, Intellectual Property Law and Capita Selecta Private Law (an elective in the LLB program).

He joined the UP Department of Private Law as Professor in 2010 after serving in the Department of Private Law at the University of Johannesburg and Department of Justice, Public Prosecutor and Legal Officer in the Branch: Legislation Research. He played an important part in the drafting of regulations required for the functioning of the Human Rights Commission, the Truth and Reconciliation Commission and the Special Investigating Unit.

He was a Visiting Fellow at Anglia Ruskin University, Chelmsford, England. Prof Cornelius is a Member of the Editorial Advisory Board of the *International Sports Law Journal* and national rapporteur for the *International Sports Law Review Pandektis*, which is the official journal of the International Association of Sports Law.

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**Prof Tiaan de Jager** is Deputy Dean of Research at the School of Health Systems and Public Health. He graduated in 1996 at UP with a PhD in Reproductive Biology and completed the Management Development Programme (MDP) in 1998. He did an international post-doctoral study at Laval University, Quebec City, Canada from 2000 to 2001.

He is a Professor in Environmental Health and an Extraordinary Professor in Andrology in the School of Medicine. He is also the Director of the UP Centre for Sustainable Malaria Control. Prof De Jager plays an active role in the Environmental Chemical Pollution and Health Research Unit, the UP Water Institute and the Institute for Food, Nutrition and Well-being (IFNuW).

He is research active and supervises students in the cluster on food safety, looking at pesticides and food. His research varies from food safety to water quality with a special focus on environmental endocrine disrupting chemicals (EDCs), toxicology and male reproductive health. Prof de Jager has a C NRF-rating (2011-2016), recognising him as an established scientist with international recognition.

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**Prof Elmarie de Klerk** has a strong research focus on socio-psychological and cognitive aspects of consumer behaviour, including food and nutritional behaviour. As professor and Head of the Department of Consumer Science, she has worked with postgraduate students on, amongst others, middle-childhood girls' experience of weight gain, anorexia nervosa girls' experience of the self, and life stages that could be associated with excessive weight gain in obese men. In these studies a symbolic interactionism and life course perspective was adopted as point of departure.

Although she is also working quantitatively, Prof De Klerk is an experienced qualitative researcher who has on many occasions done research amongst children. Prof De Klerk has received a C-3 rating from the NRF.

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**Prof Riëtte de Kock** is recognised as an established Sensory Food Science Researcher with a sustained record of productivity (NRF C-rating) since 2008. She is co-author of 28 papers in accredited journals. She is responsible for teaching modules on Sensory Science, Food Product Development and Meat Science and Technology.

She is a Mentor of the African Women in Agricultural Research Development (AWARD) programme of the Consultative Group on International Agricultural Research (CGIAR) 2009- 2010. Her recent involvement with international research projects include participation in the Development of Innovative and Healthful Marama Bean Products Targeting Niche Markets (European Union 2007 – 2009); Beef palatability in South Africa – implications for niche-marketing strategies (ACIAR 2009); and as Project Coordinator: Robustness of Cross-Modal Sensory Interaction (European Sensory Network 2013.)

She is a founder of the African Network for Sensory Evaluation Research for Improved Nutrition (ANSWER) in 2011 with the aim to engage scientists from cross-disciplinary fields in Africa with a mutual research interest in Sensory and Consumer Science.

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**Prof Ned Donkin** is an Associate Professor in the Department of Animal and Wildlife Sciences in the Faculty of Natural and Agricultural Sciences at the University of Pretoria.

He began teaching at the newly established Faculty of Veterinary Science at the Medical University of South Africa (Medunsa) and initiated the Milk Goat Project in 1987 within the Department of Animal Health and Production.

Prof Donkin is the vice-president of the International Goat Association, has served on its board between 2004 and 2008 and is a regular participant at international symposiums including as a member of the organizing committee of the International Goat Conference, held in Pretoria in 2004.

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**Dr Gerrie du Rand** specialises in the research field of local food production and consumption and the relevance to consumer behaviour. She is the head of the Food and Nutrition Section of the Department of Consumer Science.

Under her guidance six postgraduate students have received their degrees. She has published 11 contributions in numerous international journals and books, three technical reports for industry, with more than 26 contributions to conferences. Dr Du Rand manages all the food related programmes, laboratories and activities in the Consumer Science Department and her competence as teacher was recognised in 2009 with the Dux Docents award for best lecturer.

She collaborates widely with industry and other international partners and was invited as visiting scholar to Iowa State University in 2013.

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**Prof Peet du Toit** is senior lecturer in the Department of Physiology at the UP. As part of his drive to improve education methods, he has developed a number of multimedia packages, including: Sports Vision, Health Genius, Body Genius Performance Kit, Profile Genius and the Eye-drills online performance evaluation package. The Health Genius package, the Body Genius Performance Kit and the TEARS principle system were awarded Telematic Education Innovation Awards at the University of Pretoria. He is one of two nominees selected to represent UP at the National Heltasa Teaching Awards.

Prof Du Toit's lectures are evidence-based and therefore his research contributes significantly to the industry. He is currently supervising seven honours, 14 MSc and two PhD students. He has published 47 articles and presented at 73 conferences, workshops and short courses

He is a reviewer for SA Journal for *Research in Sport; Physical Education and Recreation; Stress; Journal of Anthropology; South African Journal of Education* and the *Journal of Sports Science and Medicine*. Prof Du Toit is a member of the Physiological Society of Southern Africa (PSSA), a member of the ACBSP-Accreditation Council For Business Schools & Programs, USA and a member of the ECBE-European Council For Business Education, Switzerland. He is also a founding member and chair of the Neuroscience research group at the University of Pretoria, Institute for Cellular and Molecular Medicine and an associate of the Institute for Food, Nutrition and Well-being.

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**Prof Kwaku Gyebi Duodu** holds a PhD in Food Science and is Associate Professor of Food Chemistry and Food Engineering in UP's Food Science Department. His research focus area is "*Health-promoting African foods and beverages*" in which several interrelated topics are being researched.

Since 2003, Prof Duodu has acted as supervisor or co-supervisor of 16 master's and doctoral students who have completed their degrees. He has been the main author or co-author of 30 articles in international peer-reviewed journals and five book chapters. Prof Duodu is a member of the editorial board of the *Journal of Food Composition and Analysis* and holds a C3 rating from the National Research Foundation.

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**Ms Anette Durand** is Quality Assurance Officer in the Department of Paraclinical Science. She comes from a background in feed and food quality research, specialising in hygiene management in abattoirs, food, feed and by-product plants. She then moved to the field of quality management. She obtained her MBL-degree in 1989. Her field of research interest is establishing quality management systems for laboratories on the Onderstepoort campus and achieving accreditation for selected facilities. This will support the IRT as quality of research forming part of the programme will be proven by the quality management systems.

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**Prof Liesel Ebersöhn** heads the Unit for Education Research in AIDS situated in the UP Faculty of Education. As a National Research Foundation-rated researcher she interrogates resilience as sustained transactional-ecological processes within resource-scarce education environments.

Her participation in the IRT stems from likeminded collaborative and trans-disciplinary inquiry in significant risk settings where sustainable resource management informs continued positive adaptation (resilience). In this regard she remains involved in participatory intervention studies in schools – with teachers – and in remote rural community settings. She has been principal- as well as co-investigator in several international and national studies.

She was appointed as associate professor and research fellow respectively in Yale University's Department of Psychology and Centre for Interdisciplinary Research in AIDS. She is a Past President of the Education Association of South Africa and serves on the council of the World Education Research Association (2010-2013). Prof Ebersöhn is the Editor of the *South African Journal of Education*.

She has published more than 44 articles in peer-reviewed journals, five books and contributed numerous chapters to international education-specific books. She has supervised 58 postgraduate students to completion – many of whom are now young education scholars at higher education institutions.

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**Prof Marthie Ehlers** obtained her PhD (Microbiology) at the University of Pretoria with a thesis entitled: *Bacterial community structure of activated sludge determined with SDS-PAGE*. She was a Claude Harris Leon Foundation Postdoctoral Fellow. She is currently Head of Research in the Department of Medical Microbiology and Senior Medical Scientist at the National Health Laboratory Service (NHLS). She established the postgraduate research programme in the Department of Medical Microbiology, which includes the TB research programme, the antibiotic resistance programme and the emerging and re-emerging pathogens programme.

Her research findings have been presented at 21 national and 29 international conferences. She is the author and co-author of 40 scientific publication and six handbook chapters. She has received several awards including the FRD Bursary, George Farrar Bursary and the HF Verwoerd Research Trust-Prestige award. She is a NRF Crated scientist. Prof Ehlers has supervised and co-supervised 24 BSc (Hons), three MMed, 21 MSc, six PhD and one Postdoctoral fellow.

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**Prof JN (Kobus) Eloff** is the founder and leader of the interdisciplinary Phytomedicine Programme, Department Paraclinical Sciences in the UP Faculty of Veterinary Science. His primary research and teaching focus on using plants to increase animal health and productivity.

He is a previous Executive Director of the National Botanic Gardens and Research Director at the National Botanical Institute. He has been a promoter for 46 MSc and 31 PhD students. Prof Eloff served as Editor of the *SA Journal of Botany*, the *SA Tydskrif vir Natuurwetenskap en Tegnologie*, the *International Journal for Phytomedicine*, *BMC Complementary and Alternative Medicine*.

He has presented more than 170 papers at international scientific conferences and more than 200 peer-evaluated scientific publications. He has been invited to review manuscripts for 144 different scientific journals. Prof Eloff received the Senior Medal for Botany, honorary life membership and Gold medal from South African Association of Botanists, the Havenga medal and the Gold medal from the Suid-Afrikaanse Akademie vir Wetenskap en Kuns, the Eskom Prize for capacity development from the National Science and Technology Forum and a Gold medal from the Academy for Science of South Africa.

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**Dr Mohammad Naushad Emmambux** is a senior lecturer in UP's Food Science department. He teaches food chemistry, cereal science and food rheology. His research deals with the science and technology of carbohydrate-based food biopolymers, with a focus on food nanotechnology. He has specific expertise in the isolation, characterisation, modification and application of indigenous African grain starches in food and non-food systems.

A highlight is that Dr Emmambux and his research team have successfully isolated starch nanomaterials from indigenous African cereal grains. They have shown that these nanomaterials have considerable potential as low kilojoule fat replacers in foods and as nanofillers in bioplastic films. His research is also focussed on 'in situ' modification of starches with food-friendly chemicals for low GI foods.

Dr Emmambux has a PhD in Food Science from UP and is a member of the SA Association of Food Science and Technology and the American Association of Cereal Chemists.

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**Dr Folorunso Fasina** is a senior lecturer in the Department of Production Animal Studies in the Faculty of Veterinary Science. He lectures on porcine health and production and supervises professional and research-based postgraduate students.

He has conducted research on highly pathogenic avian influenza H5N1, African swine fever (ASF), Foot-and-Mouth disease, Newcastle disease and other animal diseases. His recent work involved the use of a combination of classical epidemiologic, economic, laboratory and evidence-based tools to determine the prevalence of ASF in Nigeria.

Dr Fasina received the 2013 Exceptional Young Researcher of the Year Award from the University of Pretoria; the 2010 Personal Development Grant of the UN Food and Agriculture Organization; and the 2009 Animal and Human Health for the Environment and Development (AHEAD) Award of IUCN/WCS. He has authored over 55 publications in peer reviewed journals and contributed to a forthcoming book.

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**Prof Ronél Ferreira** is head of the Department of Educational Psychology at the University of Pretoria. She is also Theme Leader of the Institute for Food, Nutrition and Well-being at the same institution, leading a group of researchers across faculties in an interdisciplinary research project. She has been involved in various research projects, some of which involve international affiliations. Her research focus areas are psychosocial support within the context of vulnerability, HIV&AIDS, asset-based psychosocial coping and resilience, and the use of action research in combination with intervention-based studies that could improve community-based coping.

She is a Y-rated researcher and recipient of the Samuel Henry Prince Dissertation Award of the International Sociological Association (2009), the Young Researcher Award of the University of Pretoria (2009), the Young Researcher Award of the Education Association of South Africa (2007), and the Faculty of Education (University of Pretoria) Best PhD Dissertation Award (2006). In 2012, Ronél was visiting professor at both Fordham University (USA) and Providence College, Rhode Island (USA). She was recently appointed as associate editor of the newly established *Global Journal of Counselling and Guidance*. She has also been co-editor of the *South African Journal of Early Childhood* since 2010, associate editor of the *International Journal of Learning* during 2011 and 2012, and consulting editor for *IRCAB Journal of Arts and Education* in 2011. She serves on the editorial boards of *Educational Research for Social Change* and the *South African Journal of Education*. In January 2013 she was elected as incoming chair of the Education Association of South Africa.

Prof Ferreira has supervised/co-supervised 27 master's students and six PhD students. She has published 22 articles in peer reviewed journals, 13 chapters in scholarly books and one scholarly book.

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**Prof Lorenzo Fioramonti** is an associated professor of Political Science and Jean Monnet Chair in Regional Integration and Governance Studies at the UP. He is also the Director of the Centre for the Study of Governance. He is a senior fellow at the Centre for Social Investment at the University of Heidelberg and at the Hertie School of Governance, Germany and an associate fellow at the United Nations University Comparative Regional Integration Studies, Belgium.

He holds a PhD in Comparative and European Politics and has published over 40 scientific articles in international journals. Prof Fioramonti has coordinated the activities of three research groups within the prestigious EU FP7 programme and received funding from a number of sources including the European Commission, the SA Department of Science and Technology, the Italian Ministry of International Affairs and the Compagnia di San Paolo.

He is the first and only Jean Monnet Chair in Africa – a prestigious recognition awarded by the European Community to distinguished academics in the fields of regional integration and comparative regionalism studies.

In 2012, Prof. Fioramonti received the UP Exceptional Young Researcher Award.

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**Prof Geoffrey T. Fosgate** received his BS degree (Animal Science) and his veterinary qualifications (DVM) from Cornell University in Ithaca, New York, USA. He spent two years in private veterinary practice working predominantly in the field of large animal medicine and surgery. He subsequently obtained his PhD in Epidemiology from the University of California, Davis, USA and qualified as a diplomate of the American College of Veterinary Preventive Medicine.

Prof Fosgate is currently a Professor in the Department of Production Animal Studies and an Associate Editor for the journal *Preventive Veterinary Medicine*. His research interests include trans-boundary animal diseases and his expertise is the validation of diagnostic tests for surveillance and control of infectious diseases of cattle.

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**Prof William Fraser** is a chartered biologist (CBIOL), Fellow of the Society of Biology (FSB) and member of the South African Academy for Science and Arts (M.Acad.SA). He serves as adviser on the editorial boards of the *Turkish Journal of Distance Education*, the *Journal of Instruction and the Journal of Biological Education*. He is currently also a guest editor to the *South African Journal for Science and Technology*.

He is a member of the Education Association of South Africa, the South African Association for Research and Development in Higher Education, the European Association for Research on Learning and Instruction (EARLI) and the European Researchers in Didactics of Biology (ERIDOB). Prof Fraser has received numerous research and teaching awards from both the University of Pretoria and Unisa and holds a C2 rating from the NRF.

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**Prof Anabella Gaspar** is a Biochemist by training and has a C-rating from the NRF. She leads the Biotherapeutics Research Group and her current research is the structural and functional characterisation of antimicrobial peptides from ticks. Resistance of micro-organisms to antibiotics is a major problem and peptides may serve as templates for the design of novel anti-infective agents.

Her research has been presented at both national and international conferences and reported in peer-reviewed journals. To date she has supervised and co-supervised nine MSc and three PhD students and has acted as external examiner to local and international postgraduate students. She has served as council member of SASBMB, as reviewer for journals and is currently on the editorial advisory board of the *Brazilian Journal of Veterinary Parasitology*.

The focus of Prof Gaspar's research is the identification and characterisation of food-derived peptides with antihypertensive, antioxidant and anti-inflammatory properties. Mode of action and structure-function studies are required for pharmacological application of these peptides.

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**Mrs Gerda Gericke** is Head of the Department of Human Nutrition at the University of Pretoria. With an MDiet from the UP her primary fields of research interest relevant to this study are eating behaviour; nutrition education to promote good health and nutrition behaviour change.

She has supervised several theses for the M Dietetics degree on food intake and eating behaviour which contributed to her experience in the development of appropriate methodology and data collection techniques.

She was actively involved in the National Food Consumption Survey – Food Fortification Study in 2005. Ms Gericke was responsible for developing and verifying the Knowledge, Attitude and Behaviour Questionnaire used for data collection and quality control and for interpreting and reporting the findings. In 1999 she was involved in a similar national study (National Food Consumption Survey-Food Fortification Baseline Study I) on the food consumption of children aged one to nine years. She served on an advisory committee for the SA National Health and Nutrition Survey (2012/13) and is the co-author of World Health Organisation publication on food security.

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**Dr Craig Grobbelaar** is a lecturer in Physiology and focuses his research on nutrition and exercise. He holds an MBChB from the University of KwaZulu-Natal with a master's in Sports Medicine. For this he conducted research on the effects of probiotic supplementation on athletic performance. He is currently doing his PhD on the influence of Kisspeptin in female athletes with athletic amenorrhoea/anorexia nervosa.

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**Prof Sheryl Hendriks** is the founding Director of the Institute for Food Nutrition and Well-being (IFNuW) at the University of Pretoria. She holds an MSc Home Econ and a PhD in Agricultural Economics from the University of Natal and served as professor in the Department of Agricultural Economics and Rural Development at the UP prior to the launch of the IFNuW in 2011.

Prof Hendriks served as the first female the President of the Agricultural Economics Association of South Africa (AEASA) when she was elected to this position during the Association 50<sup>th</sup> anniversary conference in 2012.

She is also one of only three experts from Africa appointed to the Committee for World Food Security (CFS) High Level Panel of Experts for Food Security and Nutrition (HLPE). The CFS is the foremost international and intergovernmental platform dealing with food security and nutrition.

She is a global leader in the area of food security and has voluntarily led the African Union and NEPAD's Comprehensive African Agricultural Development Programme's (CAADP) Food Security initiatives since 2006.

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As head of the UP's Department of Family Medicine, **Prof Jannie Hugo** is accountable to a society that suffers from disproportionate poor health. He sees his academic mandate as teacher and primary care practitioner as a platform to have an impact on health care not only now, but through his students in the next 20+ years.

He participates in local, national and international primary health care and education through memberships of the Health Professions Council of SA, the Collaboration for Health Equity through Education and Research, Primafamed (Primary care and family medicine network for Africa) and the Madibeng Centre for Research.

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A graduate of the University of Pretoria, **Prof Pete Irons** has practiced as a veterinarian and worked in academia in both the United States of America and South Africa. He holds a PhD, is a registered specialist and a Diplomate of the American College of Theriogenologists. Prof Irons has a C-rating from the National Research Foundation.

In addition to teaching and research activities he is also an active clinician and specialist consultant in animal reproduction. As head of the clinical department responsible for the training of veterinarians to serve the agricultural sector he has a passion for food security and the central role that the veterinary profession can play at the interface between animal, human and environmental health.

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**Dr Akin Jenkins** is a lecturer in the UP Department of Veterinary Tropical Diseases. His current research focuses on mycobacterial interactions between environmental mycobacteria and the efficacy of BCG vaccine and diagnostic markers in naturally infected and experimental cattle. He previously worked on the epidemiology of zoonotic tuberculosis in wildlife, livestock and humans, resulting in about peer reviewed 11 publications.

He was awarded a PhD fellowship by WOTRO, the Netherlands. Dr Jenkins has participated in significant international exchanges as a young researcher, firstly at the University of Paris XI/CNRS Orsay, France and later as a visiting researcher at the, Norwegian Veterinary School, Department of Arctic Veterinary Medicine, Tromsø, Norway. He served as a facilitator at a training workshop on Zoonotic Diseases for the University of Zambia's, Department of Disease Control in conjunction with the Norwegian Council for Higher Education and Development.

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**Prof Annie Joubert** is a professor in the Department of Physiology at the UP Faculty of Health Sciences. Her research focus entails the design and synthesis of new anti-cancer compounds and the study of the mechanisms of how these novel drugs kill cancer cells while leaving normal cells unharmed.

Prof Joubert collaborates with iThemba Pharmaceuticals (Pty) (Ltd) and researchers in France, the Netherlands, Turkey, Finland and the USA. She has received research awards and prizes including the University of Pretoria's Exceptional Young Researcher Award in 2005, best publication award in the Faculty of Health Sciences, the Albert Beyers travelling fellowship from the University of Oxford and the Cancer Association of SA, AG Oetlé silver medal for cancer research. Prof Joubert received a C3-rating from the NRF.

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**Mr Mmatlou Kalaba** is an Agricultural and Trade Economist by training who worked in the areas of international trade, regional and multilateral integration, the development of trade databases and also a member of Bureau for Food and Agricultural Policy Unit. He has worked with government departments on issues of trade and agricultural policy and assisted Parliamentary portfolio committees with policy strategies debates and preparations for discussions.

He is also working with the South African representatives to the Comprehensive Africa Agriculture Development Programme to formulate the country strategy. Mr Kalaba, a lecturer in the UP Department of Agricultural Economics, Extension and Rural Development, has co-authored two books, *South African Trade Diplomacy* and *Deepening Integration in SADC: South Africa-SADC's Economic Engine*.

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**Dr Magnus Killander** is head of research at the Centre for Human Rights, at the UP Faculty of Law. He is editor-in-chief of the *African Human Rights Law Reports* and an editor of the *International Law in Domestic Courts* and *International Human Rights Law* modules of the *Oxford Reports on International Law*.

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**Dr Hans-Friedemann (Fritz) Kinkel** is a specialist in General Medicine (Germany) and holds a master's degree in International Health. His areas of expertise include Community Oriented Primary Care (COPC) and Infectious Diseases. Dr Kinkel has successfully initiated, conducted and completed research, inter alia, on the implementation of COPC service quality of primary care (ART service, cervix cancer screening etc.) and diagnostic screening (schistosomiasis). He is also involved as investigator in HIV treatment trials.

Dr Kinkel presented nationally and internationally and published in peer reviewed journals. In 2012 FPD awarded Dr Kinkel the excellence in research award. He is an extraordinary lecturer/senior programme evaluator/researcher and his main interest is research on Community Oriented Primary Care (COPC) (e.g. outcome on community health and epidemiological impact) and primary care in general (e.g. clinical practice, quality of primary care etc.). His specific areas of interest include infectious diseases (HIV, TB) and Cervix cancer.

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**Prof Johann Kirsten** is Professor and head of the Department of Agricultural Economics, Extension and Rural Development at the University of Pretoria. Recently Prof Kirsten has co-authored a number of papers reviewing agricultural policy in South Africa from a historical, analytical and futuristic perspective.

He completed his MSc Agric (cum laude) at UP and then spent two years in London as South Africa's agricultural attaché.

He has published 112 articles in peer reviewed journals as author and co-author and also co-edited four books. A total of 51 master's students and 20 PhD students completed their studies under his supervision.

His main research interests relate to the commercialisation of farming in poor communities, land reform, and agricultural policy. In recent years his focus areas also include aspects related to price transmission and the role of market power in supply chains and the economics of origin based foods.

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**Prof Darryn Knobel** is the head of the research group, "Populations, Pathogens and People at Interfaces (3PI Group)", in the UP Department of Veterinary Tropical Diseases. The mission of the group is to better understand the epidemiology and impact on health and livelihoods of infectious diseases through a multidisciplinary – One Health – approach. He holds a degree in Veterinary Science from the University of Edinburgh. He was awarded the University of Edinburgh's Centre for Infectious diseases Ker Memorial Prize for outstanding research in infectious diseases by a PhD candidate in 2008. His research findings have been presented at 16 international conferences and he is (co)-author of 22 scientific publications and two book chapters. In 2012, Prof Knobel was rated by the National Research Foundation in South Africa as a Promising Young Researcher (Y1).

His research interest is to better understand the epidemiology, impact and control of infectious diseases that affect the health and production of communal livestock at the wildlife interface, through a multidisciplinary approach. He achieves this through the establishment of continuous longitudinal demographic and health monitoring (Health and Demographic Surveillance Systems) in geographically defined livestock populations on communal land at the wildlife interface in Mpumalanga.

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**Dr Marleen Kock** obtained her BSc, BSc Hons (*cum laude*), MSc (*cum laude*) and PhD at the University of Pretoria in the Department of Microbiology and Plant Pathology. After completion of her PhD she worked as a contract researcher at the Sappi Biotechnology Institute (Innovation Hub) until 2006 when she was appointed as a postdoctoral fellow in the Department of Medical Microbiology.

In July 2007 she was jointly appointed as a lecturer / senior medical scientist in the Department of Medical Microbiology (UP/NHLS). She has published 13 research papers and handbook chapters.

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**Prof Lise Korsten** is a professor in the Department of Microbiology and Plant Pathology in the Faculty of Natural and Agricultural Sciences at the University of Pretoria. She serves on the boards of the National Laboratory Association, the Post-harvest Innovation programme of the Department of Science and Technology and the Fresh Produce Exporters Forum. She is also a member of the Specialist Technical Committee of the South African National Accreditation System.

Prof Korsten developed South Africa's first biological control agent for fruit and has established a research group in sanitary and phytosanitary aspects of international trade. She has expanded her research portfolio to include aspects related to post-harvest pathology and food safety in the fresh produce supply chain.

She is a three-time recipient of the University of Pretoria's Exceptional Achiever Award and twice received special recognition from the South African National Accreditation System (SANAS) for her significant contribution to improving and promoting SANAS accreditation. Prof Korsten holds a B2-rating from the NRF.

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**Prof Ernst Kruger** studied at the University of Pretoria and obtained the DPhil degree in 1986 and the HED degree in 1988. In 1984 he was appointed as lecturer in the Department of Human Movement Studies and promoted to professor in the Department of Biokinetics, Sport and Leisure Sciences in 2001.

In 1996 Prof Kruger was appointed as Director of the Institute for Sport Research (ISR). He has published 78 articles in accredited journals, wrote more than 75 articles in popular journals, and was promoter for 25 masters' and 18 doctoral students. He has acted as external examiner for 33 master's and 11 doctoral studies.

He has been involved with the evaluation of all South Africa's teams participating in the Olympic Games, Commonwealth Games and African Games since 1992. His field of expertise is biokinetics and sport science with a special interest in Long-term Athlete Development. As Director of the ISR, all the facilities and laboratory equipment for research in work physiology and biokinetics are available to the members of the theme's research team.

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**Dr Johanita Kruger** was recently appointed as a researcher under the IFNuW in the Department of Food science. In 2013 she was awarded her PhD in Nutrition from UP, titled; *"Improved iron and zinc availability in sorghum by phytate reduction through genetic modification, fermentation and phytase addition"*. In 2013 she continued her research at the Department of Food Science as a Post-Doctoral Fellow. Her main research interests are micronutrient nutrition and bioavailability, especially that of minerals and vitamin A. Her research aims to help increase nutritional security in Sub-Saharan Africa by increasing mineral availability in staple foods.

Johanita is alumni of the African Nutrition Leadership Program and a member of various national and international food and nutrition societies. Through international peer reviewed publications and national as well as international collaborations, she actively contributes to the body of knowledge on nutrition and nutrient bioavailability.

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**Prof Kerstin Krüger** is the leader of a research group in applied entomology – crop protection. She serves on the board of the African Regional Postgraduate Programme in Insect Science (ARPPIS), an initiative of icipe (African Insect Science for Food and Health), and as a member of the Aster Yellows Working Group of the Department of Agriculture, Forestry and Fisheries. She is a South African country representative for a European COST (Cooperation in Science and Technology) action on "Integrated Management of Phytoplasma Epidemics in Different Crop Systems".

The focus of Prof Krüger's research is on the interactions between plants, herbivorous insects and their natural enemies, and plant disease–insect vector relationships. The emphasis in both fields is on insect pests of crops to improve sustainable food production through the development of safe and environmentally friendly pest management strategies.

As Associate Professor in the Department of Zoology and Entomology her current research involves the development of biological and integrated control of insect vectors of plant diseases, as well as studies on the transmission biology of plant diseases by insect vectors.

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**Prof Marlena Kruger** is Professor of Nutritional Physiology, Deputy Head of the Institute of Food, Nutrition and Human Health (IFNHH) and Director of Research for the College of Health at Massey University, New Zealand.

She obtained a PhD in 1986. After completing a six month's science exchange through the German Academic Exchange Service (DAAD) she progressed to a three year postdoctorate in Biochemistry at the University of Texas, Austin, USA. She joined UP's Physiology Department in 1991, and subsequently set up a bone research laboratory with the focus on fatty acids and bone health.

She joined Massey University in 2000, as Senior Scientist at the IFNHH, where her role was to help establish bone research at the university. She was appointed Associate Professor in 2002, Director of the Division of Human Nutrition and Member of the Executive of IFNHH in 2005, and was also promoted to her current position as Chair of Nutritional Physiology in 2005. She took on the role of Director of Research for the College of Health in 2013. Prof Kruger was appointed as extraordinary professor in Human Nutrition at the University of Pretoria, in 2012.

Professor Kruger has over 95 publications in international peer reviewed journals. Her current research focus is nutrition and bone health with an emphasis on dairy foods, polyphenols and lipids.

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**Dr Johan Labuschagné** is a Chemical Engineer by training and specialises in polymer systems. He has erected a pilot facility for the manufacturing of synthetic anionic clays (with application in the plastics and pharmaceutical industries) in collaboration with TIA and industry. He is currently involved in the design and building of two more pilot facilities – one for a pharmaceutical application (in collaboration with Department of Plant Science, UP) and one for synthetic clays production (in collaboration with the National Centre for Nanostructured Materials, CSIR).

Another of his research and commercial projects is on the development and up-scaling of the extraction of proteins from plant material to be used for bio-based applications including bio-films and bio-materials, in collaboration with the Department of Food Science, UP.

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**Prof Nico Labuschagne** is Associate Professor in Plant Pathology in the Department of Microbiology and Plant Pathology.

During the more than three decades that Prof Labuschagne has been involved in research in the fields of Plant Pathology and Phytonematology he has contributed to a vast spectrum of scientific publications including chapters in books, research articles in high ranking scientific journals, papers at national and international congresses and numerous articles in industry-related journals and has supervised more than 40 post graduate students. During the last eight years Prof Labuschagne has established a strong research program focusing on application of Plant Growth Promoting Rhizobacteria for plant growth enhancement and biocontrol of plant diseases. This work has led to successful innovation of the research, culminating in various biological products being patented and commercialised.

Prof Labuschagne's field of interest encompasses management of soilborne diseases of agricultural crops with specific emphasis on application of plant growth promoting rhizobacteria (PGPR) as biofertilisers and biocontrol agents.

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**Dr Rendani Ladzani's** primary field of expertise is community nutrition and the prevention of nutrition problems in communities. She is interested in dietary behaviour change and food security, working with women and their young children, school children and the elderly. She has also worked on prevention of mother-to-child transmission of HIV in rural communities.

Dr Ladzani has published articles on dietary practices, infant feeding, food security and HIV and the prevention of mother-to-child transmission of HIV. A lecturer in the Department of Human Nutrition at UP she has also written four research reports on prevention of mother-to-child transmission of HIV.

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**Prof Andre Louw** completed his BSc (Agric-economics) at Stellenbosch and master's at the University of Pretoria where he also received his DSc (Agric) in Agricultural Economics in 1979. He then gained vast experience in banking, in insurance and project management and specialises in agribusiness, strategy, financial, marketing and risk management in the private sector for 20 years.

He joined the University of Pretoria in 2003 where he is currently professor in Agribusiness and involved in teaching and research in the various fields of agribusiness e.g. strategy and business planning, supply chain management, finance, risk and marketing. Prof Louw has been involved in various development projects and leadership programmes. In 1997 he received the prestigious FR Tomlinson medal for his contribution to Agricultural Economics and Agribusiness in South Africa. During his career he has maintained significant international contact with academic and business communities in various countries.

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**Dr Carien Lubbe – de Beer's** major research focus and scholarly contribution relates to the well-being and functioning of same-gendered families embedded within a positive psychological framework, against the backdrop of heteronormativity. She has represented the Psychological Association of South Africa (PsySSA), together with Prof Juan Nel (Unisa), on INET (The International Network on Lesbian, Gay and Bisexual concerns and Transgender matters in Psychology), hosted by the American Psychological Association (APA) since 2008.

Dr Lubbe - de Beer is currently establishing Psychological Guidelines for LGBTI-Affirmative Practice through a grant from the Arcus Foundation. As part of the Institute's Theme D project she will work with vulnerable families, exploring the possible value and application of Expressive Sandwork-therapy with children in schools, as psycho-social support.

She is a senior lecturer in the UP Department of Educational Psychology and is actively involved in the training of psychological counsellors (BEEd Honours programme) and psychologists (master's programme). She has published 12 peer-reviewed articles, four chapters in edited books and one published conference proceeding.

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**Prof Jean Lubuma** was Head of the Department of Mathematics and Applied Mathematics at the University of Pretoria. He received his PhD from the University of Louvain in Belgium in 1985 and was a post-doctoral fellow at the International Centre for Theoretical Physics in Italy. After joining the UP in 2000, Prof Lubuma initiated – and continues to lead – a highly successful research group. He is the chair holder of the SARChI Chair in Mathematical Models and Methods in Bioengineering and Biosciences at the UP

He has published widely in several prestigious journals and conference proceedings series. He has trained several postgraduate students and is involved in multiple regional centres of excellence. Prof Lubuma renders a vital service to the scientific community through his extensive involvement as a referee for several journals.

He is a fellow of the African Academy of Sciences and the South African Academy of Science. Prof Lubuma was the convener of the NRF specialist Committee for Mathematical Sciences. He received UP's Exceptional Academic Achiever Awards in 2007 and 2010 and the SA Mathematical Society Award for Research Distinction in 2011. Prof Lubuma has a Brating from the NRF.

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**Prof Charles Machethe** is Professor of Agricultural Economics and Director of the School of Agriculture and Rural Development at the UP. Following the completion of a master's degree at the University of the North he obtained a PhD in Agricultural Economics at Michigan State University in 1997.

His academic career began at the University of Fort Hare in 1980 when he was appointed as Junior Lecturer in Agricultural Economics. In 1982, he joined the University of the North as Lecturer in Agricultural Economics. He subsequently served as Professor and Head of the Department of Agricultural Economics, Dean of the Faculty of Agriculture and Acting Vice-Chancellor at the University of the North. In addition, he served as a Board member of the Agricultural Research Council of South Africa, the National Botanical Institute, and as Chairperson of the Board of Directors of the Northern Province Agricultural and Rural Development Corporation. Prof Machethe served on the Board of the South Africa-Netherlands Research Programme on Alternatives in Development (SANPAD) and was a member of the Ministerial Committee on the Review of Agricultural Marketing in South Africa.

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**Prof Una MacIntyre** holds MSc (Dietetics), PhD (Nutrition) degrees and the Diploma in Datametrics. From 1982 to 2011 she was employed by the University of Limpopo (Medunsa Campus). She worked as Lecturer in the Department of Human Nutrition before her appointment as Assistant Director: Medical Natural Sciences in the Department of Paediatrics and Child Health. She was promoted to Associate Professor (Ad Hominen) in August 2004.

In August 2005 she was appointed as Professor / Director: Institute for Human Nutrition, a position she held until retirement in 2011. She is presently employed in a part-time capacity in the Department of Human Nutrition, University of Pretoria where she is responsible for the Postgraduate Nutritional epidemiology and research module and for the supervision of masters' and doctoral students

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**Dr Philemon Mahuma** is a Family Physician, at the Steve Biko Academic Hospital and Lecturer, at the University of Pretoria (UP). He holds a MBChB (Cape Town), MMed (Family Medicine) (Pretoria) and served the community of Tshwane District Hospital (TDH). His involvement in teaching and learning includes being a facilitator to third-year BCMP students at TDH; GP Diploma facilitator (UP); Essential Steps in the Management of Obstetric Emergencies trainer. His area of research and interests is Medical teaching and Learning theories. Among his conference presentations was one delivered at the UP Faculty Day 2012: *A study of the cigarette smoking practices, general knowledge and opinions about smoking of medical students at the University of Pretoria.*

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**Ms Lorraine Makena** is a Programme Coordinator for the Institute for Food, Nutrition and Well-being at the University of Pretoria. Her professional field of expertise is in the area of project management and coordination. She has worked for Matingi and Associates as a Project Coordinator for eight years. Her main duties involved project management and coordination, research, fieldwork, and development and strategic planning. Her work included project management consulting for a number of government departmental projects such as: the provision of management support for implementation of sustainable sanitation job creation in 50 Water Service Authorities; the implementation of Clinics and Schools Water and Sanitation programme management support (Department of Water Affairs and Forestry); Settlement Growth Patterns (Department of Land Affairs); the provision of management support for the implementation of Municipal Infrastructure Grants; and the evaluation of the regeneration of Jeppestown and Faraday Precincts in Johannesburg. (Johannesburg Development Agency, Completed, 2005).

She completed both her undergraduate and postgraduate degrees in Community Development with UP's Faculty of Humanities and a Postgraduate Diploma in Development Planning with the University of the Witwatersrand.

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**Prof Tessa Marcus** is an Extraordinary Professor, in Family Medicine and a Sociologist. She holds a PhD Sociology from University of Lodz, Poland, and BSc Sociology from London School of Economics, UK. Her teaching and supervision experience include; the Family Medicine Team Teaching, Undergraduate: SA3, SA5, and Postgraduate: Community Oriented Primary Care.

Working in medical and health education has made her profoundly aware of how important social science is to student education and training as health professionals. It has made her aware of how poorly they are served by their extremely limited and tangential exposure to social science. She also become acutely aware of how the divisions between the sciences and humanities as well as disciplinary specialisation within each of these domains impoverish all intellectually and in practice. Prof Marcus is an active participant at in the Department of Family Medicine's on-going efforts to create the intellectual architecture as well as the physical platform for health professionals.

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**Prof Cheryl McCrindle** is Emeritus Professor and Extraordinary Professor in the Department of Veterinary Public Health. She has had considerable experience in private practice as well as academia over the last four decades. She is an NRF rated researcher with many publications and conference proceedings. Her research interests cover One Health, environmental health, all aspects of food safety, participatory risk analysis and risk communication.

Prof McCrindle received a C-rating from the NRF.

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**Dr Lyndy McGaw** obtained a PhD (Botany and has completed postdoctoral fellowships at King's College London and at the University of Pretoria, and worked at the University of Adelaide, Australia, before being appointed as a Senior Lecturer at the UP in 2011.

She is currently Deputy Leader of the Phytomedicine Programme, a research group comprising 25 MSc and PhD students. Two BSc (Hons), four MSc and seven PhD students have completed their degrees under her supervision or co-supervision. She has authored 45 scientific publications and seven book chapters, and has presented research at many international and national conferences.

Dr McGaw has a Crating from the NRF and is an editor of *South African Journal of Botany* and *BMC Complementary and Alternative Medicine*. Awards received include "Young Researcher of the Year (non-teaching staff) 2009", Faculty of Veterinary Science, University of Pretoria, and Finalist, DST "Women in Science" awards 2005 (Best Emerging Young Woman Scientist).

Her major field of research interest lies in investigating biological activity and toxicity of plant-derived extracts and isolated compounds. These plant extracts and compounds may have application in combating diseases affecting food security in plants and animals.

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**Dr Ellenore Meyer** is the Manager Daspoort Polyclinic. She holds MBChB (UP); MSc [Bio-ethics & Health Law] (Wits); SAFRI fellow; Certificate in Assessment and Moderation in Education (with Distinction) (Rhodes); Certificate in Research Methodology (Medunsa). She has served the community of Daspoort clinic, NHI and COPC (community-oriented primary care) site. Dr Meyer's involvement in teaching and learning includes service learning of students representative of the multi-disciplinary team including medical, nursing, occupational therapy, physiotherapy, speech and language pathology, dietetic, social, IT and other disciplines in a community based clinic. The Daspoort clinic is also a University of Pretoria NHI (National Health Insurance) and COPC pilot site. Among her responsibilities are collaborating with private and community health and technology partners to strategise, research and propose a model for community based care as a tool to unlock patient health.

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**Prof Ferdinand Meyer** holds the position as Director of the Bureau for Food and Agricultural Policy (BFAP) and associate professor in the Department of Agricultural Economics, Extension and Rural Development at the University of Pretoria. He served on the National Crop Estimates Committee and is a Board Member of the Protein Research Foundation (PRF) and the Regional network of Agricultural Policy Research Institutes (ReNAPRI). He holds a rating as young researcher from the National Research Foundation (NRF), 14 masters and four doctoral students have graduated under his supervision, and under BFAP he has led 35 research reports and delivered 74 national and international presentations at conferences as invited speaker.

His field of interest relevant to the IRT includes developing future scenarios for agricultural markets and food systems through econometric modelling and scenario thinking techniques; future scenarios highlight future supply, demand, trade and price patterns under a range of assumptions; o-integration of various key drivers in the value supply chains is analysed and the impact on price risk and volatility measured.

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**Prof Anita Michel** is a qualified veterinarian and Associate Professor in the UP Department of Veterinary Tropical Diseases. She enjoys considerable international recognition for her research on mycobacterial diseases and is widely regarded as an expert in the field of animal tuberculosis, especially as it pertains to the wildlife/livestock interface. Her research interests centre on the development of new diagnostic tools, the study of the epidemiology and the control of animal tuberculosis in both livestock and wildlife.

Prof Michel has a doctorate from the Max Planck Institute for Virology in Germany and has published more than 42 articles in peer-review journals and 61 conference proceedings. She received the Agricultural Research Council President's Award for important contributions to the advancement of diagnostic services

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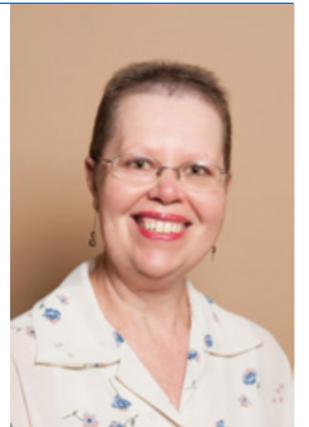
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**Prof Amanda Minnaar** is Professor in the Department of Food Science. Her research focuses on the use of modern food processing technologies to improve the quality (nutritional, phytochemical, physico-chemical and sensory), safety and shelf-life of plant foods. Specific areas of research expertise include thermal processing, ionising irradiation and legume processing science and technology.

She is the author and co-author of some 50 scientific papers in international peer-reviewed journals. As a NRF-rated scientist Prof Minnaar has supervised and co-supervised some 37 master's and doctoral students. She won the first prize in the category of Capacity Development at the European-South African Science and Technology Advancement Programme (ESASTAP) in 2011. She is responsible for the coordination of various international research projects.

Prof Minnaar is a member of the South African Association for Food Science and Technology (SAFoST) and a member of the Institute of Food Technology (IFT, USA).

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**Dr Rebone Moerane** has worked as a state veterinarian for over 21 years and, was during this period, exposed to various development programmes in livestock development. He participated in the development of the livestock sector policy in South Africa and played an active role in the training of farmers and as part of a new initiative on primary animal health care in the country.

Dr Moerane primary research areas are to improve livestock production with particular focus on empowering farmers – mainly small-scale farmers and farm workers – to implement basic skills on animal health and production management practices with regular support from local professionals. This involves training and assessment of the behavioural change of farmers and farm workers.

He is currently the Chair of Primary Animal Health Care in the UP's Faculty of Veterinary Science and serves as President of the SA Veterinary Council.

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**Dr Jan Myburgh** is a senior lecturer in the Department of Paraclinical Sciences at the UP Faculty of Veterinary Science. He qualified as a veterinarian in 1984 and, for the first part of his research career he focused mostly on bovine medicine, reproduction and surgery (in the Department of Production Animal Studies, University of Pretoria).

He is an active member of the American Association of Bovine Practitioners, USA; Society for Theriogenology, USA; and the South African Veterinary Association and Wildlife Group of the South African Veterinary Association.

During 2002 he moved over to the Department of Paraclinical Sciences to focus more on environmental issues e.g. toxicology and conservation medicine. Dr Myburgh's research interests are in Environmental Toxicology, aquatic species, Medical Geology, quality of water for animal use, Conservation Medicine, and Bovine Medicine and Theriogenology.

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**Prof Vinny Naidoo** is Director of the University of Pretoria Biomedical Research Centre (UPBRC) and Associate Professor in Veterinary Pharmacology. His research interests are environmental toxicity of chemicals in Southern African Vultures. Prof Naidoo has been the youngest veterinarian to achieve a PhD in veterinary science. He was named one of the top 300 young South Africans by the *Mail & Guardian* in 2009.

He was an Outstanding Young Achiever of the University of Pretoria in 2009. Prof Naidoo is a member of the Medicines Control Council of South Africa, Chair of the Veterinary Clinical Committee, member of the Science and Ethics Committee of the National Zoological Gardens and Chair of the Medicines Committee of the South African Veterinary Association.

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**Dr Kim Nolte** is a qualified biokineticist and has various qualifications in the fitness, sport and business fields. Apart from her clinical experience as a biokineticist, she has extensive experience in the management and administration of elite sport. Dr Nolte currently lectures various modules for the University of Pretoria's Department of Biokinetics, Sport and Leisure Sciences and coordinates research for the Institute for Sports Research (ISR).

She has a keen interest in ageing and exercise, the management of sports injuries, biomechanics and the use of exercise therapy in the treatment of rheumatic diseases.

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**Prof André Oelofse** is an Associate Professor in the Department of Human Nutrition in the Faculty of Health Sciences at the University of Pretoria.

His primary research interest lies with infant and young child nutrition and health. He has conducted and published on numerous studies assessing the nutritional and health status of vulnerable infants in different communities in both South Africa and other developing countries. He has also been working on the potential contribution of indigenous foods to the nutrient and health status of young children. This work has culminated in a comprehensive report on the nutritional value of indigenous green leafy vegetables to alleviate malnutrition. Nutrients of particular interest to his work are Vitamin A, iron and zinc.

Prof Oelofse has initiated work on assessing the bioavailability of key nutrients (Vitamin A, iron and zinc) through human cell line models in collaboration with international partners. He holds an MSc from Stellenbosch University and a PhD from Wageningen University in the Netherlands. Prior to joining the UP he was employed by the Nutrition Intervention Research Unit of the Medical Research Council. Prof Oelofse received a C-rating from the NRF.

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**Prof Nic Olivier** has more than 25 years of experience in higher education, government administration and management of a significant number of both governmental related and academic programmes and projects. His key areas of expertise are in governance and development, programme management strategic management, policy analysis, human rights and legal pluralism. He has published widely in academic journals and contributed to a number of text-books.

He has managed and co-managed a number of transformative national programmes, e.g. as co-author of the SA national language legislation, National Programme Co-ordinator for the National White Paper Programme on Traditional Leadership and other Traditional Institutions in SA, the National Policy Research Programme on Vulnerable Communities and various other national programmes for the SA Government.

He has access to extensive networks within the transnational – SADC – context as well as in North America, Europe and in Australasia. He studied at the universities of Pretoria, Leiden, Potchefstroom and South Africa where he obtained the following degrees: BA (Law), LLB, LLD (Leiden), LLD (Pretoria), BA (Honours) (Development Administration), MA (Afrikaans and Linguistics) and DPhil. He is currently Director of the SADC Centre for Land-related, Regional and Development Law and Policy at the UP.

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**Dr Sarie Oosthuizen** is a specialist in Family Medicine, with 34 years' clinical experience in District Health, District Hospital services and Primary Health Care. Her current focus is Community Orientated Primary Care (COPC). She led the start-up of the Medico-Legal Crisis Centre in Tshwane, and was clinical leader during the establishment of the Tshwane District Hospital. She is now leading the District Clinical Specialist Team, established in 2012 to achieve the Health Care Millennium goals for South Africa.

She has taken part in research on areas of health systems information and audits for attaining compliance with accepted standards of care. Dr Oosthuizen's main interest is the provision of quality primary health care to all communities. She works towards reducing morbidity and mortality in mothers and children, and the management of risk in communities.

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After more than 20 years in biological research and obtaining doctorates in Zoology and Entomology, **Prof Mary-Louise Penrith** qualified as a veterinarian at Onderstepoort in 1991 and was employed in the Pathology Section of the Onderstepoort Veterinary Institute. Since 1996 she has consulted for the Food and Agriculture Organization of United Nations on the epidemiology and control of African swine fever in nine African countries as well as in the Republics of Georgia and Armenia in the Caucasus. She is an advisor to a DANIDA-funded sequel to the project, *Sustainable livelihoods through improved pig production* in Tanzania and Mozambique. She is Extra-ordinary Professor in Veterinary Tropical Diseases at the UP and presents courses on Animal Health Management and High Impact Diseases for the web-based 'One Health' MSc degree. She has published more than 82 peer-reviewed scientific articles and 20 book chapters. She is a member of the SA Veterinary Council and the Entomological Society of Southern Africa.

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**Prof Michael Pepper** is Director of the Institute for Cellular and Molecular Medicine, and a professor in the Department of Immunology in the Faculty of Health Sciences. He is also *professeur associé* in the Department of Genetic Medicine and Development in the Faculty of Medicine at the University of Geneva, Switzerland.

He obtained his MBChB in 1982 from the Faculty of Medicine at the University of Cape Town, and moved to Geneva in 1986, where he obtained his PhD in 1990 and MD in 1992. In 1997 he obtained his Habilitation and had the title Privat Docent conferred on him. He returned to South Africa in July 2004.

Prof Pepper has worked extensively in the field of clinically-oriented (translational) molecular cell biology, and his current interests include stem cells and the human genome. He is also co-responsible for the Southern African Human Genome Programme which was launched in January 2011. He is a member of the National Advisory Committee on Innovation and has developed a 5-day continuing education course in bio-entrepreneurship. Prof Pepper has 200 medical and scientific publications and has received a number of awards for his research. He has been extensively involved in teaching at undergraduate and postgraduate levels and is a frequent speaker at local and international meetings. He interacts regularly with the media and writes for the lay press on medical and scientific matters.

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**Prof Paul Rheeder** is the acting Chairperson of the School of Health Systems and Public Health. He is a trained specialist physician and clinical epidemiologist. Prof Rheeder is responsible for the Clinical Epidemiology training programme and heads the Epidemiology and Biostatistics track. He has a part time appointment as a diabetologist at the Pretoria Academic Hospital, Department of Internal Medicine. His main research interests are in diabetes and diabetes-related complications and management.

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**Prof Maxi Schoeman** is Head of the Department of Political Science and Chairperson of the Basic Social Sciences Cluster in the Faculty of Humanities.

She has a PhD in International Relations from the University of Wales. Prof Schoeman participated in the EU Framework 7 MERCURY (2009-2012) project and currently manages a Mellon project on peace and conflict in Africa. She co-founded the UP Centre for Mediation in Africa and is acting director of the UP Institute for Strategic and Political Affairs.

Prof Schoeman serves on the board of the African Peace Network of the Social Science Research Council (SSRC) in New York and is an adjunct professor in the School of Public Policy at George Mason University in the US. She served on the 2013 BRICS Academic Forum Steering Committee and currently serves on the steering group for the establishment of a South African BRICS think-tank. She is deputy chairperson of the board of the Institute for Global Dialogue and a Trustee of the Institute for Security Studies.

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**Professor Hettie Schönfeldt** is a NRF C-rated researcher and a registered Natural Scientist (nutritionist and food scientist) and mentor in the fields of human nutrition and food composition. She is a Professor Extraordinaire in the Faculty of Natural and Agricultural Sciences, Department of Animal and Wildlife Sciences and an Associate of the Institute of Food, Nutrition and Well-being

Under her guidance 25 postgraduate students have received their degrees and has published more than 60 contributions in numerous international journals and books, 117 technical reports for industry and more than 130 contributions to conferences.

She was chief rapporteur for the Food and Agriculture Organization (FAO) of the United Nations Expert Consultation on Protein Requirements for Human Health and evaluating team of the FAO's work in Nutrition.

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**Dr Langelihle Simela** is an industry leader, academic and researcher in the fields of animal nutrition, food science and livestock management. With a PhD in Animal Science and master's in Veterinary Tropical Diseases she manages the research efforts relating to Theme A – *Production in a Resource-constrained environment*.

She is the Chief Executive Officer of the National Emergent Red Meat Producers' Organisation (NERPO).

Dr Simela was a Senior Livestock Sector Development Specialist for a World Bank contract to perform a livestock sector analysis and develop an investment framework in Zimbabwe.

She serves as Director of the International Meat Quality Assurance Services (IMQAS), on the Advisory Board of the UP Faculty of Veterinary Science and as Country Representative of the International Goat Association. Dr Simela has published widely in academic journals and publications and serves on the editorial board of *Small Ruminant Research* (Elsevier) and the *Bulletin for Animal Health and Production in Africa* (BAHPA).

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**Prof Gerry Swan** qualified as a veterinarian in 1973 at the Faculty of Veterinary Science at Onderstepoort, was awarded a MMedVet specialist degree in Veterinary Pharmacology and Toxicology at the University of Pretoria in 1988 and his PhD (Pharmacology) at the Potchefstroom University, now the North-West University in South Africa in 1997. He has been Dean of the Faculty of Veterinary Science, University of Pretoria, since 2005.

He has served on several national and international professional and expert bodies, including President of the South African Veterinary Association, Member of the Medicines Control Council (MCC) of South Africa, expert consultant to the WHO and OIE and as Fellow of the American Pharmacology Society. He is a standing member of the Joint FAO/WHO Expert Committee of Food Additives (JECFA) and is a member of the SA Academy of Science. More recently he has been appointed to the SANParks Board.

He has published extensively with 74 scientific papers to his credit. His research is currently focused on wildlife and has recently contributed in the containment of vulture mortalities due to the Non-Steroidal Anti-Inflammatory Drugs (NSAIDs) diclofenac in Asia. He is a rated scientist with the NRF and has been the recipient of several professional and research awards. In 2005 he received the Sasol Vulture Conservationist award for his research on NSAIDs in vultures.

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**Dr Janet Taylor** holds a PhD in Food Science from the University of Pretoria and is a Research Officer in the Department of Food Science. In addition to research, her responsibilities include the co-supervision of postgraduate students both at a master's and PhD level. Her main research interests are in the functional properties of plant protein based bioplastics and biomaterials, with specific interest in the prolamin proteins of sorghum and maize.

She has authored and co-authored a number of papers in international peer reviewed journals on various aspects of sorghum prolamin protein digestibility and as biomaterials and this work has been presented at numerous international and national conferences. She is also the co-author (with Prof John Taylor) of a series of International Association for Cereal Science and Technology Sorghum Grain Quality Standards. These standards are widely used in the sorghum industry.

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**Prof John Taylor** is the Theme Leader for the Institute's theme on Functional Biomolecules and Health-promoting Foods. A full professor of Food Science at the University of Pretoria, he is globally recognised for his research into the science and technology of African cereal grains, especially sorghum and millets.

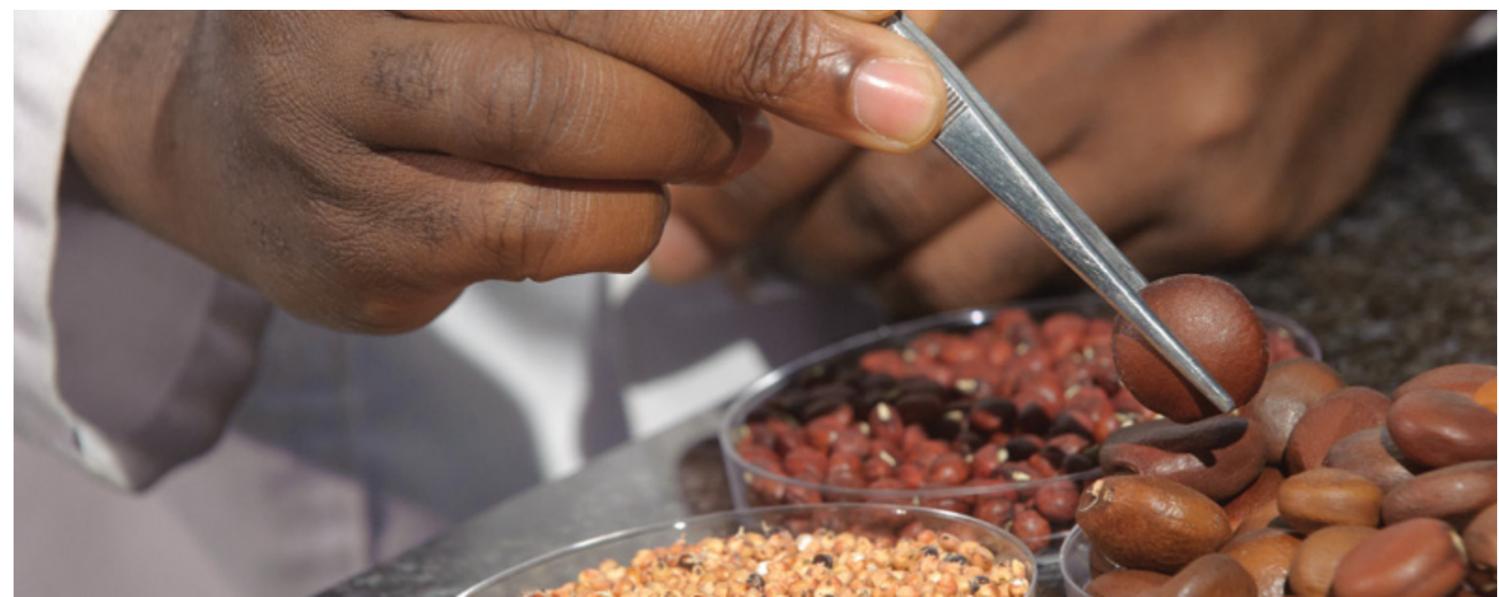
He is author and co-author of some 140 papers in peer-reviewed scientific journals, 20 book chapters, many technical reports to industry, and has co-edited a monograph on Pseudocereals and Less Common Cereals. He is an Editor of the *Journal of Cereal Science* (Elsevier) and a member of the Editorial Boards of two other journals.

During 2009 to 2010 he served as President of the International Association for Cereal Science and Technology (ICC). Prof Taylor has been supervisor and co-supervisor of some 80 MSc and PhD graduates and postdoctorals from across sub-Saharan Africa, many of whom now hold senior positions in academia, industry and government in Africa and across the world. He is a B-rated scientist.

Prof Taylor is a recipient of several awards, including: Member of the Academy of Science of South Africa, AACC International's Excellence in Teaching Award, Fellow of AACC International, Fellow of the International Academy of Food Science and Technology, Fellow of the ICC Academy and recipient of the University of Pretoria's Chancellor's Award for Research.

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**Prof Maureen Taylor** is an associate professor / medical scientist in the Department of Medical Virology in the Faculty of Health Sciences and at the National Health Laboratory Service. Her research focuses on the prevalence and molecular epidemiology of enteric viruses, which include hepatitis a virus, norovirus, sapovirus and rotavirus, in clinical and environmental samples with specific reference to viruses that are potentially food- and waterborne.

She has excelled in the field of virology with over 50 publications in ISI-rated journals and is a member of the editorial boards of *Food and Experimental Virology*, the *Journal of Applied Microbiology* and *Letters in Applied Microbiology*. She is a mentor to a postdoctoral student and supervises a number of postgraduate students, many of whom have received awards for their publications and presentations.

Prof Taylor has been re-awarded a C-rating by the National Research Foundation.

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**Prof Gavin Thomson** is an Extraordinary Professor, Department of Veterinary Tropical Diseases, at the UP Faculty of Veterinary Science. In addition he is a private consultant and Director of the company TAD Scientific with particular specialisation in foot and mouth disease (FMD) and international trade standards for animal commodities/products. In addition to a BVSc (UP) he has MSc (Birmingham, UK) and PhD (London) degrees in immunology and virology respectively and more than 100 scientific publications.

Dr Thompson has also been contracted by various international organisations to work on other animal disease projects in Asia and Africa. For 12 years (1994-2006) he was an elected member of the World Organisation for Animal Health's (OIE) Scientific Commission for Animal Diseases, and served as President of the Commission for three of those years. In 1999 he was awarded the South African Veterinary Association Gold Medal for outstanding scientific achievement and the advancement of veterinary science.

His primary research interests relate to the mitigation of SPS risk in situations where the proximity of wildlife conservation initiatives, transfrontier conservation areas (TFCAs) and trade standards related to animal diseases result in a conflict of interest which has endured for many decades.

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**Prof Peter Thompson** is associated professor in Veterinary Epidemiology at the UP. He graduated as a veterinarian and obtained a MMedVet degree in Production Animal Medicine and a PhD in Veterinary Epidemiology. He served on the Executive of the Southern African Society for Veterinary Epidemiology and Preventive Medicine from 2000 to 2008 and as Chair of the International Society for Veterinary Epidemiology and Economics from 2009 to 2012.

He has been involved in research on a broad range of animal diseases, including international projects on foot-and-mouth disease and Newcastle disease. His present research interests focus on the epidemiology of diseases at the wildlife/livestock/human interface and of diseases and conditions affecting livestock production.

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**Dr Wayne Truter** holds a BSc Agric degree in Animal / Pasture Science, an MSc Agric in Rangeland and Forage Science, and a PhD in Integrated Agricultural and Environmental Sciences. His main field of specialisation is to understand the inter-relationships between soil, vegetation, water and animals in reclaimed mined land and disturbed agricultural land.

Currently Dr Truter manages research projects for the South African Water Research Commission, pasture seed companies, the Coal Mining Research Association of the South African Chamber of Mines and related large mining enterprises. He is a founder member and President of the Land Rehabilitation Society of Southern Africa (LaRSSA), a former president of the Grassland Society of Southern Africa (GSSA), vice-president of the South African Coal Ash Association, principal advisor to Grass SA, Head: Land Rehabilitation Services Unit at Business Enterprises of the UP and member of Trans-Caledon Tunnel Authority's panel of experts on land rehabilitation.

He also serves as a steering committee member for the Department of Environmental Affairs on National Carbon Sinks Assessment and is an Associate Editor for the *African Journal of Range and Forage Science*.

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**Dr Michael van der Laan** is a senior lecturer in the University of Pretoria's Department of Plant Production and Soil Science. He is responsible for lecturing undergraduate courses on sustainable crop production systems and agro-climatology. He is primarily involved in research on crop water use and water foot printing, acid mine drainage, solute leaching, cropping system carbon and nitrogen dynamics, and the use of life cycle assessment to determine the environmental footprint of agriculture.

Dr Van der Laan also serves as an Associate Editor for the *South African Journal of Plant and Soil* and is the secretary for the International Commission on Irrigation and Drainage's Working Group for the Environment.

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**Dr Jacquie van der Waals** is senior lecturer in the Department of Microbiology and Plant Pathology in the Faculty of Natural and Agricultural Sciences. She was awarded her PhD on the topic *Epidemiology of early blight potatoes in South Africa*. She is manager of the Potato Pathology Programme at UP and is a member of various national and international professional bodies.

Dr Van der Waals has received many research grants pertaining to diseases of the potato plant

She also received the UP's Outstanding Student Award (1997 and 2000) and the publicity award of the Southern African Society of Plant Pathology (2009). Dr Van der Waals has authored and co-authored 34 papers on potato diseases and related information for presentation at national and international meetings and conferences. She regularly contributes to popular scientific publications to educate farmers on how to deal with potato growing and relevant diseases.

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**Mr Jacques van Rooyen** is the research coordinator of the Mnsi Community Programme of the University of Pretoria and busy completing a PhD in Veterinary Tropical Diseases. He is an animal scientist and ecologist with extensive experience in wildlife management in southern Africa.

Mr Van Rooyen is currently a research officer in the Department of Veterinary Tropical Diseases at the UP Faculty of Veterinary where he mainly focuses on One Health related research topics associated with the livestock-wildlife interface. His teaching and research interests are multidisciplinary, integrated systems approaches to aspects of wildlife and livestock health and production, trade and marketing, natural resource utilisation, rural development and conservation in resource constrained communities at the livestock-wildlife interface in southern Africa.

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**Dr Marietjie van Rooyen** is a senior lecturer with MMed (FamMed) and MBChB (Pret) degrees. She has served as registrar consultant and community health worker at the Daspoort Clinic.

She has received a number of awards including a third prize for poster at the International Association for Medical Education in Genoa; education innovation certificates in 2008 and 2010 and the education innovation Ultimate Laureate in 2012. Her specific research interest is in HIV needle stick injuries.



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**Dr Annemarie Viljoen's** research experience relates to the food practices and food-related behaviour of different cultural and ethnic groups in Southern Africa. In her doctoral thesis she described the food practices of a South African community from a socio-cultural and socio-psychological perspective. She has experience in cross-cultural studies on food practices, food and dietary intake, and studies on the preference and acceptability of food.

As senior lecturer in Foods and Nutrition at the UP she is currently involved in various research projects investigating the food habits, nutrition transition and food purchasing behaviour of primary school children, adolescents and adults in South Africa, Swaziland and Botswana.

She is a founder member of the Association for Dietetics in Southern Africa (ADSA); the treasurer of the South African Association for Family Ecology and a member of the executive committee of the SA Association for Family Ecology and Consumer Science (SAAFECs).

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**Prof Frans Viljoen** is the Director of the Centre for Human Rights in the Faculty of Law. His research area is international human rights law with a focus on the African regional human rights system, established under the auspices of the African Union.

He has been involved in advocacy and training on the African regional human rights system, and published widely on international human rights law, including International Human Rights Law in Africa.

He is editor-in-chief of the *African Human Rights Law Journal* and co-editor of the English and French versions of the *African Human Rights Law Reports*. Prof Viljoen is also the Academic coordinator for the LLM (Human Rights and Democratisation in Africa) presented by the Centre in collaboration with 12 partner law faculties across Africa.

In 2012 the Centre received the Human Rights Prize of the African Union's Commission on Human and Peoples' Rights. Prof Viljoen holds a B1-rating from the NRF.

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**Dr Carina Visser** attained her MSc (Agric) and PhD (Agric) Animal Science degrees at the University of Pretoria. Her PhD study was partly performed at Wageningen University and Research Centre (Netherlands), where she was awarded an Erasmus Mundus fellowship.

She joined the University of Pretoria in 2005 specialising in animal breeding and genetics. Her research focuses on the genetic improvement of small-stock. Dr Visser has several publications in local and international journals and also regularly contributes to conferences.

She is currently the Vice-President of the International Goat Association. She is professionally registered with SA Council for Natural Scientific Professions and serves on the Northern branch committee of the South African Society of Animal Science (SASAS).

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**Prof Coleen Vogel** is a climatologist by training who works in climate change and climate variability with a strong focus on climate change adaptation. She was one of chapter lead authors for the Africa chapter in the IPCC Fourth Assessment Report (and part of the team that received the Nobel Peace Prize shared by Al Gore). She is currently an author on the Chapter on Human Security for the 5th Assessment report of the IPCC, Working Group 2. She has received the Burtoni Award, international recognition by her peers for her work in climate change adaptation. She also assists government in various efforts related to climate change and disaster risk reduction. Her field of interest relevant to the IRT is climate change and climate variability including the social and human dimensions.

A particular focus of Prof Vogel's current research is on transformation and climate change including transformative adaptation. The role of climate knowledge and modes of knowledge production (e.g. transdisciplinarity) in the process of climate risk management forms an essential part of such research efforts.

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**Dr Juan Vorster** did his undergraduate degree in plant physiology and a MSc in molecular biology at the University of Pretoria. During his PhD studies he spent more than a year conducting research in whole genome comparisons at Case Western Reserve University in Cleveland, Ohio, before returning to the University of Pretoria to complete his PhD in 2008.

This was followed by a Postdoctoral Fellowship at the Université Laval in Quebec City, Canada, focusing on recombinant protein expression as well as protein modelling and rational design of proteins for improved function. In 2010 he was appointed in the Department of Plant Production and Soil Science at the University of Pretoria. His main research is focused on plant cysteine protease inhibitors (Cystatins) and their interaction with cysteine proteases from both plants and insects or pathogens during development and stress.

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**Prof Eddie Webb** is Head of the Department of Animal and Wildlife Sciences at the University of Pretoria. A graduate of the University he completed his postdoctoral studies at the University of Ghent in Belgium and Nutreco in The Netherlands on aspects of fatty acid synthesis in ruminants and growth modelling.

He has been President of the South African Society of Animal Science since 2008 and Deputy-editor of the *SA Journal of Animal Science*. He also serves on the editorial board of *Small Ruminant Research*.

Prof Webb served on the organising committee and as special editor of the International Conference for Meat Science and Technology held in Cape Town in 2008. He is a member of the advisory committee on meat science research for the Agricultural Research Commission

During his career Prof Webb has published 72 papers in peer-reviewed scientific journals, delivered 85 papers at international conferences and participated as guest lecturer at international symposia and universities.

He holds a C-rating from the NRF and has mentored eight PhD and 33 master's students. Prof Webb is registered professionally with the SA Council for Natural and Scientific Professions, the SA Association for Professional Animal Scientists and the SA Society for Animal Science.

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**Dr Friede Wenhold** is senior lecturer in the Department of Human Nutrition at the UP Faculty of Health Sciences. Her professional field of expertise is in the area of nutritional assessment of individuals and for research.

She has conducted research on behalf of the Water Research Commission on rain-fed and irrigated production of food crops and its potential to meet all year round nutritional requirements of rural people in North-West, Limpopo, KwaZulu-Natal and Eastern Cape Provinces. Dr Wenhold is co-author of the National Agriculture and Food security Investment Plan (Comprehensive African Agricultural Development Plan) "Food security and nutrition".

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**Dr Zelda White** is a senior lecturer in the Department of Human Nutrition and a member of the Nutrition Society of South Africa.

Dr White has a good knowledge base in basic and advanced nutrition and how diet-related behaviours can affect health outcomes. To investigate behaviour change one needs to intervene with regards to dietary/lifestyle behaviour and measure the impact of these changes. One of the best ways to investigate these effects is through experimental research.

She has a PhD in Nutrition from the North-West University and has basic and advanced training in good clinical practice and experience in quantitative research methodology.

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**Dr Paola Wood** is a Senior Lecturer and biokineticist in the Department of Biokinetics, Sport and Leisure Sciences at the University of Pretoria (UP). Paola obtained the degree BA (HMS) (Hons) in Biokinetics, MA (HMS) and DPhil (HMS) at UP. She practiced as a Biokineticist for 15 years before joining the academics. Dr Wood has published 27 peer-reviewed articles in the last six years, presented at numerous congresses, and is a subject editor and reviewer for several ISI journals. She currently serves on the Biokinetics Association of South Africa Ethics Committee. She has a special interest in physical activity, training injuries and their causes. Her field of interest relevant to the IRT includes physical activity in children and its effect on the motor development and health of children.

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