

## NSW Smart Sensing Network

### COVID-19 Q&A Virtual Forum

Tuesday, 31 March 2020 10.30am – 12.30pm

As the global COVID-19 pandemic escalates, the NSW Smart Sensing Network (NSSN) aims to acknowledge the “mayhem” and let the general public know that universities and thought leaders are working on delivering solutions across a complexity of layers. As a consortium of the leading universities in NSW, the NSSN is well-placed to inform society of the research and development that is taking place in NSW that is contributing to the wellbeing and health of the public in these confusing times.

To register for this event, please click [here](#).

## Virtual panel

### **Prof. Bill Rawlinson, Senior Medical Virologist & Director of Virology, NSW Health**

Prof. Rawlinson is a clinician scientist researching viral pathogenesis, particularly respiratory viral infections, congenital infections, and enteroviruses in type 1 diabetes mellitus. He established, and oversees, serology and virology clinical research programs, statewide transplant donor screening, and national quality programs for serology and biosecurity. He is conjoint professor at UNSW with over 400 publications and over 18,000 citations from his publications in basic research, diagnostic and clinical virology.



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### **Prof. Justin Gooding, Co-Director, NSW Smart Sensing Network & Co-Director, Australian Centre for NanoMedicine, UNSW**

Prof. Gooding is currently an ARC Australian Laureate Fellow, the co-director of the Australian Centre for NanoMedicine and the co-director of the New South Wales Smart Sensing Network. He is a Fellow of the Australian Academy of Science, the International Society of Electrochemistry, the Royal Society of New South Wales, The Royal Australian Chemical Institute and the Royal Society of Chemistry. He is the inaugural editor-in-chief of the journal ACS Sensors.



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### **Prof. Sacha Stelzer-Braid, Scientist, School of Medical Sciences, Prince of Wales Hospital**

Prof. Stelzer-Braid’s overall research aim is to determine the importance of respiratory diseases in vulnerable populations, including children with chronic respiratory diseases. This includes projects on investigating the role of respiratory viruses in exacerbation of chronic airway diseases including asthma and cystic fibrosis (CF), new point-of-care testing for respiratory viruses, a state-wide surveillance for enteroviruses, understanding transmission modes of respiratory viruses, and developing novel sampling and diagnostic methods for respiratory viruses.



## Virtual panel *continued*

### **Prof. MaryLouise McLaws, Health Emergencies Program Experts Advisory Panel for Infection Prevention and Control Preparedness, Readiness and Response to COVID-19, World Health Organization**

Prof McLaws is a member of the World Health Organization (WHO) Health Emergencies Program Experts Advisory Panel for Infection Prevention and Control Preparedness, Readiness and Response to COVID-19. For several years she was a short mission WHO Advisor to China and Malaysia for surveillance development. She collaborated with Beijing to review the response to the Severe Acute Respiratory Syndrome (SARS) outbreak and healthcare worker safety for the Hong Kong SARS designated hospital.



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### **Prof. Pall Thordarson, Acting Head of School Chemistry, UNSW**

Prof Thordarson holds a Bachelor of Science (Chemistry) from the University of Iceland and a Ph.D from the The University of Sydney. He was a Postdoctoral Fellow at the University of Nijmegen, The Netherlands in 2001, a Marie Curie Postdoctoral Fellow at the University of Nijmegen, The Netherlands from 2001-2003. From 2003 to 2005, he was a Postdoctoral Research Fellow at The University of Sydney SESQUI, and an Australian Research Council Fellow at The University of Sydney from 2006-2007 and UNSW from 2007-2010. In 2007 he was appointed Senior Lecturer at UNSW and Professor in 2017.



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## Virtual experts

### **A/Prof. Nathan Bartlett, Head of Viral Immunology & Respiratory Disease, Hunter Medical Research Institute, University of Newcastle**

A/Prof Bartlett is Associate Professor and head of the Viral Immunology and Respiratory Disease group and is based at the Hunter Medical Research Institute, University of Newcastle, Australia. He also retains an honorary academic appointment at Imperial College London. A/Prof Bartlett developed pre-clinical models of respiratory virus and disease. Using these models in conjunction with human airway epithelial cell-based infection models he has identified mechanisms of virus induced disease, with a focus on susceptible groups such as asthma and COPD.



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### **Dr Romaric Bouveret, Manager, Single Molecule Science Australia Node, UNSW**

Dr Bouveret obtained his PhD from the Swiss Federal Institute of Technology in 2005. He then relocated to Sydney to work as a senior scientist at the Victor Chang Cardiac Institute. He obtained an MBA from the University of Sydney in 2015 before becoming the Business Strategy Manager at the EMBL Australia node in Single Molecule Science at the UNSW Sydney. He is passionate about solving important challenges via scientific discoveries and impact research.



## Virtual experts *continued*

### **Prof. Paul Dastoor, Centre of Organic Electronics, University of Newcastle**

Prof. Dastoor is a Professor of Physics at the University of Newcastle in Australia. He received his B.A. degree in Natural Sciences and his PhD in Surface Physics from the University of Cambridge. He has been Visiting Research Fellow at Fitzwilliam College, Cambridge, UK, at the Daresbury Laboratory, Cheshire, UK at Nanyang Technological University and Leverhulme Visiting Professor at the University of Cambridge. He is Director of the Centre for Organic Electronics, which he established in 2007.



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### **Prof. Guy Marks, President of The Union, The National Health and Medical Research Council (NHMRC) Senior Principal Research Fellow**

Prof. Marks is an Honorary Professor of Medicine, University of New South Wales (Australia). An expert on asthma and airway disease, he leads a tuberculosis (TB) research programme with Viet Nam's National TB Programme. He has been active in The Union since 1993.



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### **Prof. Subhas Mukhopadhyay, School of Engineering, Macquarie University**

Prof. Mukhopadhyay holds a B.E.E. (gold medallist), M.E.E., Ph.D. (India) and Doctor of Engineering (Japan). He has over 30 years of teaching, industrial and research experience. Currently he is working as a Professor of Mechanical/Electronics Engineering, Macquarie University, Australia and is the Discipline Leader of the Mechatronics Engineering Degree Programme. Before joining Macquarie he worked as Professor of Sensing Technology, Massey University, New Zealand.



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### **A/Prof Garry Myers, Interim Director, ithree Institute, UTS**

A/Prof Myers completed his PhD on chlamydial biology in 1998 at the University of Sydney (Faculty of Medicine) via the Menzies School of Health Research (Darwin, NT). He did postdoctoral training at The Institute for Genome Research (TIGR) in Rockville, Maryland, working on microbial genomics and pathogenesis, with numerous high-impact publications, including Science, Nature Biotechnology and Genome Research. In 2005 he was invited to join the TIGR Faculty. In June 2014, he relocated to the ithree Institute at the University of Technology, Sydney. He is now the Director of the Institute, and leads the "Biology of Intracellular Bacteria" research group.



## Virtual experts *continued*

### **Prof. Antonio Tricoli, Biomedical Sensing and Materials Science, Australian National University**

Prof Tricoli leads the Nanotechnology Research Laboratory in the College of Engineering and Computer Science of the Australian National University. He received his Bachelor and Master in Mechanical and Process Engineering, and thereafter his PhD in the field of Nanotechnology from ETH Zurich.



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If you have any questions, please contact Jasmine Logaraj at [jasmine.logaraj@nssn.org.au](mailto:jasmine.logaraj@nssn.org.au)

