

ITALIAN SCIENTISTS DOWN UNDER

29th September 2016

Woolcock Institute of Medical Research, 431 Glebe Point Rd, Glebe, Sydney

CHAIR: Oscar Moze, Science Attaché, Embassy of Italy, Canberra

09:30 *Registration*

09:50 *Opening and welcome, Arturo Arcano*, Consul General of Italy, Sydney

09:55 *Welcome to the Woolcock Institute, Carol Armour*, Executive Director, Woolcock Institute

10:00 *New South Wales Global Research Engagement: Focus on Italy Mary O'Kane*, Chief Scientist of NSW

10:15 *Italian-Australian science and technology collaboration Bernadine Caruana*, International Science Collaboration, Science Policy, Science and Commercialisation Policy Division, Department of Industry, Innovation and Science, Canberra

10:30 *Italy's Science Diplomacy Oscar Moze*, Science Attaché, Embassy of Italy

10:45 **Coffee**

11:15 *Observing the Universe through the neutral hydrogen emission-line Enrico Di Teodoro*, Research School of Astronomy and Astrophysics, The Australian National University

11:35 *Hybrid Plasmonic Waveguides for Nonlinear Optical Applications Stefano Palomba*, Nanophotonics and Plasmonics Advancement Lab, Institute of Photonics and Optical Science, School of Physics, The University of Sydney

11:55 *La vita forte Maria A. Fiatarone Singh*, John Sutton Chair of Exercise and Sport Science Exercise, Health and Performance Research Group, Faculty of Health Sciences, Sydney Medical School, The University of Sydney

12:15 *Reflectivity, a tool for studying functionalised nanoemulsions Stefania Piantavigna*, Australian Centre for Neutron Scattering, ANSTO (Australian Nuclear Science and Technology Organization), Lucas Heights

12:35 *In-vivo dosimetry: trends and prospects in radiotherapy Marco Petasecca*, Centre for Medical Radiation Physics, School of Physics, The University of Wollongong

13:00 **Lunch**

14:00 *Wearable nano-devices for preventive and personalized medicine Antonio Tricoli*, Nanotechnology Research Laboratory, Research School of Engineering, The Australian National University

14:20 *Exploring experimental cerebral malaria pathogenesis through the characterisation of host-derived plasma microparticle protein content Natalia Tiberti*, School of Life Sciences, Faculty of Science, The University of Technology Sydney

14:40 *Is modern dentistry a better quality dentistry? Massimiliano Guazzato*, Faculty of Dentistry, The University of Sydney

15:00 *Nuclear techniques & Heritage materials: the Cultural Heritage Project at ANSTO Floriana Salvemini*, Australian Centre for Neutron Scattering, ANSTO, Lucas Heights

15:30 **Coffee**

16:00 *Harvesting Atmospheric Water using Biomimetic Polymer Surfaces Chiara Neto*, School of Chemistry, The University of Sydney

16:20 *Medical devices explantation: medical failures versus implant failures Rosalia Cavaliere*, Cochlear Fellow, ithree Institute, The University of Technology Sydney

16:40 *How to study quantum physics with Silicon nanostructures Giuseppe Tettamanzi*, School of Physics and the Australian Centre of Excellence for Quantum Computation and Communication Technology, The University of New South Wales

17:00 *Repurposing Drugs for novel targeted drug delivery to the lung Daniela Traini*, Woolcock Institute of Medical Research, Sydney Medical School, The University of Sydney

17:30 *Wrap up and Conclusion*