

Themes and Symposia

Theme 1: Protein Structure

S12. Protein folding

Rajan Sankaranarayanan

S31. Amyloids

Margie Sunde - University of Sydney, Australia

S18. Chaperones

Johannes Buchner, Technische Universität München, Munich, Germany

S36. Protein-Nucleic Acid Interactions

Thomas Preiss, Australian National University, Canberra, Australia

Eric Ennifar, Institute of Molecular and Cell Biology, Strasbourg, France

Yuki Goto, The University of Tokyo, Japan

S3. Protein Structure and Function - 1

Mitsu Ikura, University of Toronto, Canada

Mingjie Zhang, HK University of Science and Technology, Hong Kong

Emily Parker, University of Canterbury, New Zealand

Richard Berry, Monash University, Melbourne Australia

S28. Protein Structure and Function - 2

Ping Zhu (IBP, China)

Hongwei Wang (Tsinghua University)

Junjie Hu (Nankai, HHMI)

Zhijie Liu (iHuman Institute, China)

Theme 2: Membranes and Membrane Proteins

S10. Receptors and signalling

Shigeyuki Yokoyama – RIKEN, Japan

David Aragao – The Australian Synchrotron, Melbourne, Australia

Michael Lawrence – Walter & Eliza Hall Institute, Australia

Joachim Heberle – Free University Berlin, Germany

S23. Channels and transporters structure and function

Werner Kuehlbrandt – Max Planck Institute, Frankfurt, Germany

Bonnie Wallace, Birckbeck College London, U.K.

Nieng Yan, Tsinghua University, Beijing, China

S17. Membranes, lipids and peptides

John Seddon – Imperial College London, UK

Sasa Svetina - University of Ljubljana, Slovenia

S1. Membrane protein assemblies – 1 (shared with Single Molecule Theme)

Keiichi Namba – Osaka University, Japan

Michelle Dunstone – Monash University, Australia

So Iwata – Imperial College London, UK

S34. Membrane protein assemblies – 2

Zhuan Zhou (Peking Univ),

Pingyong Xu (IBP)

Quan Chen (IOZ)

Jens R. Coorsen (University of Western Sydney, Australia)

Theme 3: Cell and Muscle Biophysics

S29. CPVT / Cardiac muscle intracellular Ca²⁺ handling in health and disease:

Derek Laver – University of Newcastle, Australia

Pete Jones – Otago University, New Zealand

Jon Skinner – Starship Hospital, Auckland

S6. Skeletal muscle Ca²⁺ signaling:

Feliciano Protasi, University of Chieti, Italy

Nicole Beard, Australian National University, Canberra, Australia

S37. Mechanical aspects of cardiac dysfunction:

Jolanda van der Velden, VU University Medical Center, Netherlands

Andrew Taberner, University of Auckland Bioengineering Institute, New Zealand

S21. Catecholamine, stress and cardiac function:

Regis Lamberts, University of Otago, New Zealand

Livia Hool, University of Western Australia, Australia

S13. Mitochondrial activity in muscle:

Bob Dirksen, University of Rochester, USA

Heping (Peace) Cheng, Peking University, Beijing

Theme 4: Ion channels and electrophysiology**S9. Neuroscience - 1**

Chih-Cheng Chen, Institute of Biomedical Sciences, Academia Sinica, Taiwan

Steve Petrou, Howard Florey Institute, Melbourne, Australia

George Nagel, University of Würzburg, Germany

Pavle Andjus, University of Belgrade, Serbia

Joe Lynch, Queensland Brain Institute, Australia

S22. Neuroscience - 2

Xu Zhang (institute of Neuroscience)

Hong Zhang (IBP, HMMI)

Guoqiang Bi (USTC, China)

Chen Chen (University of Queensland)

S38. Potassium channels

Diane Papazian, University of California Los Angeles, USA

Crina Nimigean, Weill Cornell Medical College in New York, U.S.A.

Jacqui Gulbis, Walter and Eliza Hall Institute, Australia

S19. TRP channels

Yifan Cheng, University of California San Francisco, U.S.A.

Theresa Giraldez, University of La Laguna, Spain

Grigori Rychkov, University of Adelaide, Australia

S30. Transporters

Zhe Lu, University of Pennsylvania, U.S.A.

Rob Vandenberg, University of Sydney, Australia

Andrea Yool, University of Adelaide, Australia

Theme 5: Imaging**S35. Electron microscopy:**

Daniela Nicastro, Brandeis University, U.S.A.

Henning Stahlberg, University Basel, Switzerland

S11 Super resolution microscopy (shared with Single Molecule Theme):

Tao Xu, Institute of Biophysics, Chinese Academy of Sciences, Beijing, China

Katharina Gaus, University of NSW, Australia

Ian Parker, University of California, Irvine, U.S.A.

S2. In vivo fluorescence imaging:

Nicholas Placta, Monash University, Australia

S8. Emerging Imaging Technologies:

Tamir Gonen – Howard Hughes Medical Institute, Janelia Farm, U.S.A.

Shan Shan Kou, University of Melbourne, Australia

Lloyd Hollenberg, University of Melbourne, Australia

Antione van Oijen, university of Wollongong, NSW, Australia

S24. MRI & PET:

Patrick Cozzone, Aix-Marseille University

Lindy Rae, University of NSW, Australia

Theme 6: Bioenergetics

S4. Bioenergetics systems: The cellular context

Henning Stahlberg, Basel University, Switzerland

Steve Ludtke, Baylor College of Medicine, U.S.A.

S14. bioenergetics systems: Macromolecular machines

Jian-Ren Shen, Okayama University of Japan

Daniela Stock, Victor Chang Cardiac Research Institute

Christoph Gerle, Kyoto University, Japan

S27. Biological systems for energy production

Tasios Melis, University of California, Berkeley, U.S.A.

David Lewis, University of Adelaide, Australia

S33. Bio-inspired artificial photosynthetic systems

John Goldbeck, Pennsylvania State University, U.S.A.

Murray Badger, Australian National University, Canberra, Australia

Theme 7: Single molecule

S1. Membrane protein assemblies (shared with Protein Theme)

Keichi Namba, Osaka University, Japan

Michelle Dunstone, Monash University, Melbourne, Australia

So Iwata, Kyoto University, Japan and Imperial College, London

S5. Visualizing molecules of life:

Marc Delarue, Institut Pasteur, Paris, France

Tony Watts, University of Oxford, U.K.

S11 Super resolution microscopy (shared with Imaging Theme):

Tao Xu, Institute of Biophysics, Chinese Academy of Sciences, Beijing, China

Katharina Gaus, University of NSW, Australia

Ian Parker, University of California, Irvine, U.S.A.

S15. Mechanobiology:

Armagan Kocer, University of Groningen, Netherlands

Masahiro Sokabe, Nagoya University, Japan

Fred Sachs, State University of New York, Buffalo, U.S.A.

S16. Nanobiology - 1

Yin Xiao (Queensland Univ. of Tech, Australia)

Xingjie Liang (NCNT, China),

Chen Wang (NCNT, China)

Daiwen Pang (Wuhan Univ. China)

S25. Molecular self organization:

Atul Parikh, University of California, Davis, U.S.A.

S39. Molecular motors:

Hiroyuki Noji, University of Tokyo, Japan

Theme 8: Systems Biophysics**S7. Biomolecular simulation**

Wilfred van Gunsteren, ETH Zürich, Switzerland

Chris Oostenbrink, University of Natural Resources and Life Sciences, Vienna, Austria

Haibo Yu, University of Wollongong, Australia

S26. Computational Systems Biology –

Nagasuma Chandra

Xavier Daura, Institute of Biotechnology and Biomedicine, Barcelona, Spain

S20. Nano-biology - 2

Amanda Barnard, Commonwealth Scientific and Industrial Research Organisation, Australia

Ben Corry, Australian National University, Canberra, Australia

Christine Peter, University of Konstanz, Germany

S32. Computational Membrane Biology

Markus Deserno, Carnegie Mellon University, U.S.A.

Syma Khalid, University of Southampton, U.K.

Toby Allen, Royal Melbourne Institute of Technology University, Australia