

Centenary Colloquium IV

"Opportunities in RNA based Therapeutics"

Wednesday 30 January 2008 - 8.30am - 5.00pm
Centenary Institute Lecture Theatre, Building 93, Missenden Road, Camperdown NSW 2050

The recognition of small non-coding genes has changed the understanding of the regulation of gene expression and provided unprecedented options for therapeutic intervention. This colloquium will focus on how non coding RNAs work in normal and disease pathways and on the potential therapeutic options.

PROGRAM

Chairpersons: Thomas Priess, John Mattick, John Rasko

8.30 -9.15am	Dr. Gunter Meister , RNA Biology, Max Planck Institute of Biochemistry, Martinsried, Germany <i>"Biochemical dissection of microRNA-guided gene silencing"</i>
9.15 - 9.45am	Dr Rob Allen , Australian National University, Canberra <i>"The functional specificity of miR-159 in Arabidopsis."</i>
9.45 -10.15am	Dr. David Humphreys , Victor Chang Cardiac Research Institute, Sydney <i>"Poly(A) modifications and their effect on miR mediated repression"</i>
10.15 -10.45am	Tea Break - sponsored by Eppendorf
10.45 – 11.15am	A/Prof. Greg Goodall , Hanson Institute, IMVS, Adelaide <i>"MicroRNAs involved in epithelial-mesenchymal transition"</i>
11.15– 11.45am	Dr. Murray Cairns , Schizophrenia Research Institute, Sydney <i>"Investigation of schizophrenia associated miRNA expression"</i>
11.45 – 12.15pm	Dr Greg Arndt , Johnson & Johnson Research, Sydney. <i>"MicroRNA expression profiling and functional analysis of specific MicroRNAs in colorectal cancer"</i>
12.15 - 12.45pm	Dr Marcel Dinger , Institute for Molecular Bioscience. The University of Qld, Brisbane <i>"Noncoding RNAs in mammalian differentiation and development"</i>
12.45 - 1.15pm	Dr. Jennifer Clancy , Victor Chang Cardiac Research Institute, Sydney <i>"Characterisation of poly(A) tail function in miRNA action"</i>
1.15 – 2.00pm	Lunch
2:00 - 2:30pm	Dr Bharat Chowrira , Vice President, Sirna Therapeutics. Executive Director, Merck and Co. Inc. <i>"RNA based therapeutics"</i>
2:30 - 3:00pm	Dr. Shane Herbert , Applied Biosystems, Australia <i>"Tools and technologies for miRNA research"</i>
3:00 - 3:30pm	Dr Phil Kearney , Merck Sharp & Dohme Australia, Sydney <i>"LNA Base antagomirs to miR-122"</i>
4:00 - 4:30pm	Dr. Ruby Lin , Ramaciotti Centre for Gene Function Analysis., Univ of NSW, Sydney <i>"Genome-wide microRNA profiling – applications and data analysis"</i>
4:30 - 5:00pm	Professor John Mattick , Institute for Molecular Bioscience. The University of Qld, Brisbane <i>"The future of non-coding RNAs"</i>
5.00pm	General Discussion - followed by Refreshments

LIMITED FOR THE FIRST 100 Registrants - TO REGISTER: Email: reception@centenary.org.au

Organisers: Prof. Mathew Vadas, Prof. John Mattick, Dr. Eileen McGowan and Dr. Nham Tran