

RNAi2012
gene regulation by small RNAs



7th international conference & exhibition
27-29 March 2012
St Hilda's College
Oxford, UK

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Agenda

27 March 2012

1.30pm-2.20pm: Registration and Coffee

2.20pm: Welcome

Session 1: Chair Professor Dr Georg Sczakiel

2.30pm: Professor Kaz Taira

Title: Small RNAs and epigenetics

Professor, National Institute of Advanced Industrial Science and Technology (AIST), Tsukuba; The University of Tokyo; Tokyo University & Graduate School of Social Welfare; and Nagase & Co Ltd, Tokyo, Japan

3.00pm: Professor Dr Ben Berkhout (Keynote Presentation)

Director, Laboratory of Experimental Virology, Academic Medical Center, University of Amsterdam, The Netherlands

Title: Optimization of antiviral RNAi molecules: A Dicer-independent shRNA processing route

3.45: Professor Dr Albrecht Piiper

Professor, Department of Medicine, University of Frankfurt/M, Germany

Title: MicroRNAs in blood serum as non-invasive biomarkers in chronic hepatitis C

4.15pm: Refreshment Break, Exhibitions and Posters

5.00pm: Dr Raymond Schiffelers

Assistant Professor, UMC Utrecht, The Netherlands

Title: Identification of microRNA based therapeutic candidates using a unique lentiviral microRNA overexpression library

5.30pm: Professor Dr Miguel Piris

Chief, Pathology Service, Hospital Universitario Marques de Valdecilla, and Scientific Director, IFIMAV, Spain

Title: The role of cellular and viral microRNAs in the pathogenesis of diffuse large B-cell lymphoma

6.00pm: Dr Blanche Schroen

Assistant Professor, Center for Heart Failure Research, Cardiovascular Research Institute Maastricht (CARIM), Maastricht University, The Netherlands

Title: Role of microRNAs in ageing-associated cardiac remodeling

6.30pm: Dr Roy Edward

Biostatus Limited, Shepshed, LEICS, UK

Title: Red/far-red fluorescing DNA-specific anthraquinones for nucl:cyto segmentation and viability reporting in cell-based assays

6.45pm: Close of Day 1

7.15pm: Buffet Dinner (by prior booking/invitation only)



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28 March 2012

8.00am-8.25am: Registration

8.25am: Welcome

Session 2: Chair Professor Dr Miguel Piris

8.30am: Professor Dr Paul Holvoet

Head of Atherosclerosis and Metabolism Unit, Department of Cardiovascular Diseases, Katholieke Universiteit Leuven, Belgium

Title: Interaction between oxidative stress and inflammation in obesity and atherosclerosis

9.00am Professor Dr Jens Brüning

Director, Department of Mouse Genetics and Metabolism, Institute for Genetics, Faculty of Mathematics and Natural Sciences, University of Cologne, Germany

Title: Role of miRNA expression in insulin resistance and type 2 diabetes

9.30am: Professor Nagy Habib

Director, HPB Clinical Services, Imperial College Healthcare NHS Trust, **GI Lead Clinician**, and Department of Surgery & Cancer, Imperial College London, UK

Title: Stem cells in diabetes

10.00am: Refreshment Break, Exhibitions and Posters

11.00am: Dr Trevor Dale (Sponsored by Sigma Life Sciences)

Professor/Deputy Research Division Leader, School of Biosciences, Cardiff University, Cardiff, UK

Title: Analysis of a Wnt signalling network using high throughput screening

11.30am: Dr Stephen Brown (Sponsored by Molecular Devices)

Head, RNAi Facility, The University of Sheffield, UK

Title: Lights, camera, action. Genome-wide RNAi screens using automated microscopy

12.00am: Dr Dmitry Samarsky

Executive Vice President, Technology and Business Development, RiboBio Co, China

Title: *In vivo* delivery of the oligonucleotide-based drugs

12.30pm: Group Photo, Lunch, Exhibitions, Posters, Technology Workshops

1.15pm-2.00pm: Technology Workshop by Molecular Devices

2.00pm-2.45pm: Technology Workshop by Sigma-Aldrich

Session 3: Chair Professor Kaz Taira

3.00pm: Dr Mark Behlke

Chief Scientist, IDTDNA, USA

Title: Non-base modifiers for anti-miRNA and other antisense applications

3.30pm: Professor Adrian Harris (Keynote Presentation)

Director of Oncology, CRUK at the University of Oxford, UK

Title: Prognostic and mechanistic roles of miRNAs in human breast cancer

4.15pm: Life-time Achievement Award Presentation to Professor Harris

4.30pm: Refreshment Break

5.00pm: Professor Dr Achim Aigner

Professor, Rudolf-Boehm-Institute for Pharmacology and Toxicology Clinical Pharmacology, University of Leipzig, Germany

Title: RNAi-mediated knockdown of HER family members and RNAi double/triple knockdown strategies in ovarian cancer

5.20pm: Dr Youn-Jung Kang

University of Oxford, Oxford, UK

Title: Short-interfering RNA mediated knock-down of integrin $\alpha v \beta 3$ or its ligand osteopontin suppresses embryo-epithelial adhesion at implantation

5.35pm: Dr Karen Forbes

School of Biomedicine, University of Manchester, Manchester, UK

Title: IGF regulates miR-483-3p expression in the developing human placenta via an IGF1R/ERK pathway

5.50pm-7.15pm: Poster viewing, drinks reception and music (TBC)

7.30pm-9.00pm: Dinner (by prior booking/invitation only)

29 March 2012

Session 4: Chair Dr Mark Behlke**9.00am: Professor Andrew Miller**

Professor, University College London, UK

Title: TBA

9.30pm: Dr Stephen Hart

Reader in Molecular Genetics, Wolfson Centre for Gene Therapy of Childhood Disease, UCL, UK

Title: Lipid-Peptide Nanocomplexes for the Targeted Delivery of siRNA

10.00am: Dr Muriel Golzio

Group Leader, Institut de Pharmacologie et de Biologie Structurale, Centre National de la Recherche Scientifique, France

Title: siRNA electrotransfer into cancer cells

10.30am: Refreshment Break, Exhibitions

11.00am: Professor Dr Georg Sczakiel

Director, Institute of Molecular Medicine, Universität zu Lübeck, Germany

Title: TBA

11.30: Dr Sterghios Moschos

Reader in Industrial Biotechnology, University of Westminster, UK

Title: Oligonucleotide inhalation: The liver is the target

12.00pm: Dr Tobias Poehlmann

Institute of Macromolecular Chemistry and Organic Chemistry, Friedrich-Schiller-University of Jena, Germany

Title: Development of peptide-blocked siRNA - a cell-specific toxin

12.20pm: Closing remarks and lunch

1.30pm: Close of conference