

## **Keynote speakers MGC symposium – historical overview**

### **31<sup>st</sup> MGC-SYMPOSIUM – 2023**

**Yves Barral** “Protecting the eukaryotic cell against exogenous DNA and how this shapes the genome” (Institute of Biochemistry, ETH Zürich)

### **30<sup>th</sup> MGC-SYMPOSIUM - 2022**

**Maria Yazdanbakhsh** “The immunological footprints generated by different environmental factors” (Parasitology, LUMC)

### **29<sup>th</sup> MGC-SYMPOSIUM - 2019**

**Isabel Aznarez**: “Antisense-mediated increase of SCN1A expression using TANGO technology for the treatment of Dravet Syndrome” (Founder & Vice President, Head of Biology, Stoke Therapeutics, Bedford, MA 01730)

### **28<sup>th</sup> MGC-SYMPOSIUM - 2018**

**John van der Oost**: “CRISPR-Cas - from RNA to R&D” (Laboratory of Microbiology, Wageningen University)

### **27<sup>th</sup> MGC-SYMPOSIUM - 2017**

**Thierry Voet**: “Single-cell (multi-omics) sequencing to study the biology of cellular heterogeneity in health and disease” (KULeuven, Belgium and Sanger Inst., Cambridge, UK)

### **26<sup>th</sup> MGC-SYMPOSIUM - 2016**

**Joost Gribnau**: "Activation of X inactivation" (Department of Developmental Biology, Erasmus MC)

### **25<sup>th</sup> MGC-SYMPOSIUM - 2015**

**Timm Schroeder**: “Long-term single cell quantification: New tools for old questions” (Department of Biosystems Science and Engineering, ETH Zurich, Basel, Switzerland)

### **24<sup>th</sup> MGC-SYMPOSIUM - 2014**

**James Briscoe**: “The Gene Regulatory Logic for Reading the Sonic Hedgehog Gradient In The Vertebrate Neural Tube” (MRC National Institute for Medical Research, Department of Developmental Biology, London, UK)

### **23<sup>rd</sup> MGC-SYMPOSIUM - 2013**

**Christopher Pearson**: "Repeat-associated diseases, pathogenesis & therapeutic avenues" (The Hospital for Sick Children, Department of Genetics, Toronto, Canada)

### **22<sup>th</sup> MGC-SYMPOSIUM - 2012**

**Karen Adelman**: “Potentiating Signal-responsive Transcription: A Dynamic Dance Between Paused Polymerase and Chromatin” (Laboratory of Molecular Carcinogenesis, Research Triangle Park, USA )

### **21<sup>th</sup> MGC-SYMPOSIUM - 2011**

**Danny Huylebroeck**: "Mouse models for studying TGFbeta family signalling" (Laboratory of Molecular Biology, Center for Human Genetics, K.U.Leuven)

### **20<sup>th</sup> MGC-SYMPOSIUM - 2010**

**Amanda Fisher**: “Resetting the lineage clock - how does reprogramming work?” (MRC Clinical Sciences Centre, Faculty of Medicine, Imperial College London)

19<sup>th</sup> MGC-SYMPOSIUM – 2009

**Angela Giangrande:** “Genetic and epigenetic cues triggering cell differentiation in the nervous system” (Institute of Genetics and Molecular and Cellular Biology, University of Strasbourg, France)

18<sup>th</sup> MGC-SYMPOSIUM – 2008

**Brunhilde Wirth:** "Spinal muscular atrophy: from gene and modifiers to therapy" (Institute of Human Genetics, University Hospital of Cologne)

17<sup>th</sup> MGC-SYMPOSIUM – 2007

**Kenneth B. Storey:** “Frozen alive: molecular secrets of freeze tolerant animals” (Carleton University, Ottawa, Ontario, Canada)

16<sup>th</sup> MGC-SYMPOSIUM – 2006

**John Mattick:** “The majority of the human genome encodes a hidden RNA regulatory system that controls differentiation and development” (Institute for Molecular Bioscience, The University of Queensland, Brisbane, Australia)

15<sup>th</sup> MGC-SYMPOSIUM – 2005

**Ruedi Aebersold:** “Quantitative proteomics and systems biology” (Institute for Biotechnology, ETH Zurich, Switzerland and Institute for Systems Biology, Seattle, USA)

14<sup>th</sup> MGC-SYMPOSIUM – 2004

**Peter Brophy:** “How functional domains are established in myelinated nerve fibres” (Professor of Veterinary Anatomy & Cell Biology, University of Edinburgh)

13<sup>th</sup> MGC-SYMPOSIUM – 2003

**Angus Lamond:** “The dynamic nucleus: temporal proteomics & in vivo imaging” (School of Life Sciences, University of Dundee)

12<sup>th</sup> MGC-SYMPOSIUM – 2002

**Marc Vidal:** “Toward a proteome atlas for *C. elegans*” (Dana Farber Cancer Institute, Harvard Medical School)

11<sup>th</sup> MGC-SYMPOSIUM - 2001

**Kim Nasmyth:** “Chromosome segregation in mitosis and meiosis” (Research Institute of Molecular Pathology, Vienna, Austria)

10<sup>th</sup> MGC-SYMPOSIUM - 2000

**Eddy Rubin:** “Sifting Sequence for Function: Exploiting the Mouse” (Genome Sciences Department, Lawrence Berkeley National Laboratory)

9<sup>th</sup> MGC-SYMPOSIUM – 1999

**Nick Hastie:** "Wilms' tumour - a developmental problem; multiple roles for the Wilms' tumour suppressor, WT1" (MRC Human Genetics Unit, Edinburgh)

8<sup>th</sup> MGC-SYMPOSIUM – 1998

**Charles R. Scriver:** “ ‘Simple’ inheritance, ‘complex’ phenotype: PKU anew” ( Alva Professor of Human Genetics, McGill University, Montreal, Canada)

7<sup>th</sup> MGC-SYMPOSIUM – 1997

**Steve Jackson:** "Detection and repair of DNA double strand breaks" (Wellcome/CRC Institute, U.K.)

6<sup>th</sup> MGC-SYMPOSIUM – 1996

**Sir Alec Jeffreys:** “Spontaneous and induced tandem repeat instability in the human genome” (Univ. of Leicester, U.K.)

5<sup>th</sup> MGC-SYMPOSIUM – 1995

**Charles Weissmann:** “The molecular biology of prion disease” (University of Zürich)

4<sup>th</sup> MGC-SYMPOSIUM – 1994

**D.C. Wallace:** “Mitochondrial Genetics: A Paradigm for Degenerative Diseases and Aging?”

3<sup>rd</sup> MGC-SYMPOSIUM – 1993

**H.J. Evans:** “Genetic Factors in Cancer”

2<sup>nd</sup> MGC-SYMPOSIUM – 1992

**H. Dupuis:** “Gen-etica”

1<sup>st</sup> MGC-SYMPOSIUM - 1991