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By Georgina Ferry

Few scientists have thought more deeply about the nature of their calling and its impact on humanity than Max Perutz (1914-2002). Born in Vienna, Jewish by descent, lapsed Catholic by religion, he came to Cambridge in 1936, to join the lab of the legendary Communist thinker J.D. Bernal. There he began to explore the structures of the molecules that hold the secret of life. In 1940, he was interned and deported to Canada as an enemy alien, only to be brought back and set to work on a bizarre top secret war project. In 1947, he founded the small research group in which Francis Crick and James Watson discovered the structure of DNA: under his leadership it grew to become the world-famous Laboratory for Molecular Biology. Max himself explored the protein hemoglobin and his work, which won him a Nobel Prize in 1962, launched a new era of medicine, heralding today’s astonishing advances in the genetic basis of disease.

Max Perutz’s story, wonderfully told by Georgina Ferry, brims with life. It has the zest of an adventure novel and is full of extraordinary characters. Max was demanding, passionate and driven but also humorous, compassionate and loving. Small in stature, he became a fearless mountain climber; drawing on his own experience as a refugee, he argued fearlessly for human rights; he could be ruthless but had a talent for friendship. An articulate and engaging advocate of science, he found new problems to engage his imagination until weeks before he died aged 88.

About the author: Georgina Ferry is a former staff editor on New Scientist, and contributor to BBC Radio 4’s Science Now. Her books include the acclaimed biography Dorothy Hodgkin: A Life (1998); The Common Thread (2002, with Sir John Sulston) and A Computer Called LEO (2003). She lives in Oxford.

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CONTENTS
List of illustrations 5 Mountains and Mahomet 11 Health and disease
Preface and acknowledgements 6 How hemoglobin was not solved 12 Truth always wins
1 Scenes from a Vienna childhood 7 Annus mirabilis  Select bibliography
2 ‘It was Cambridge that made me’ 8 In search of solutions Notes
3 ‘The most dangerous characters of all’ 9 A structure for science – the LMB Glossary
4 Home and homeland 10 The breathing molecule Index

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CONTENTS

1. Whole human genome microarrays
   Mark Schena, Milton J. Friedman, Paul Haje, Todd Martinisky, Greg Suzuki, Tony Costa, Joy Chung, Mel Ruiz, Chris Costa, Luis Machado, all at TeleChem International, Inc., Sunnyvale, CA, USA; Rajiv Raja and Rupal Desai, both at MDS Analytical Technologies, Sunnyvale, CA, USA

2. Toxicogenomics of dioxin
   Craig R. Tomlinson, Saikumar Karyala, Danielle Halbleib, Mario Medvedovic, and Alvaro Puga, all at University of Cincinnati, Cincinnati, OH, USA

3. Amplified differential gene expression microarrays
   Zhijian J. Chen and Kenneth D. Tew, both at Medical University of South Carolina, Charleston, SC, USA

4. DNA microarray detection and genotyping of human papillomavirus
   Taejeong Oh, Sook Kyung Woo, Myung Soon Kim, and Sungwhan An, all at Genomic Tree, Inc, Daejon, South Korea

5. Expression profiling of transcriptional start sites
   Mutsumi Kanamori-Katayama, Shintaro Katayama, Harukazu Suzuki, Yoshihide Hayashizaki, all at Genomic Sciences Center (GSC), Yokohama Institute, Kanagawa, Japan, and Genome Science Laboratory, Saitama, Japan

6. Methods for increasing the utility of microarray data
   Kazuhiro Shimokawa; Raimantas Kodzius, Genome Science Laboratory, Saitama, Japan; Yonehiro Matsumura, Graduate School of Integrated Science, Yokohama City University, Kanagawa, Japan; and Yoshihide Hayashizaki, Genome Science Laboratory, Saitama, Japan; as well, all four are at Genomic Sciences Center (GSC), Yokohama Institute, Kanagawa, Japan

7. Key features of bacterial artificial chromosome microarray production and use

8. Epigenetic analysis of cellular immortalization
   Aviva Levine Fridman, Scott A. Tainsky, and Michael A. Tainsky, at Wayne State University School of Medicine, Detroit, MI, USA

9. Microarray comparative genomic hybridization
   Simon Hughes, Queen Mary’s School of Medicine and Dentistry, London, UK; Richard Houlston, Institute of Cancer Research, Surrey, UK; and Jeremy A. Squire, Ontario Cancer Institute, Princess Margaret Hospital, Toronto, Ontario, Canada

10. RNA sample preparation and small quantity RNA profiling for microarray biomarker discovery
    Jianyong Shou and Lawrence M. Gelbert, both at Eli Lilly and Company, Indianapolis, IN, USA

11. DNA microarrays to study nonhuman primate gene expression
    Stephen J. Walker, Wake Forest University Health Sciences, Winston-Salem, NC, USA

12. Enhanced microarray hybridization using surface acoustic wave mixing
    Natalie Stickle, Kelly Jackson, and Neil Winegarden, at University Health Network Microarray Centre, Toronto, Ontario, Canada; Andreas Toegl and Frank Feist, both at Adeyelz, Brunnthal, Germany

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Index

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The goal of this conference is to bring together representatives from this diversity of research areas to examine the most recent findings on the molecular bases of evolution. Molecular evolution underlies much of comparative genomics, informs models of computational biology, and provides a framework for understanding evolution of development and complex systems. The small size of the conference (restricted to 130 participants) and the location (on the beach in sunny Ventura, CA), coupled with the large blocks of time set aside for informal discussion are all critical features to the ongoing success of this conference. The following sessions and speakers have been confirmed:

**Exploring Adaptive Landscapes**
- Ben Kerr (University of Washington)
- Tony Dean (University of Minnesota)
- Dan Weinreich (Brown University)

**Measuring Evolutionary Timescales with classes of molecular markers**
- Bret Payseur (University of Wisconsin at Madison)
- Asher Cutter (University of Toronto)
- Joanna Mountain (Stanford University)

**Molecular Basis of Heart Evolution**
- Doug Crawford (University of Miami)
- Brad Davidson (University of Arizona)
- Jose Xavier-Neto (Universidade de São Paulo)
- Nadia Rosenthal

**Positive and Negative Selection on Noncoding DNA**
- Peter Andolfatto (Univ. of California at San Diego)
- Manolis Dermitzakis (The Wellcome Trust, Sanger Institute)

**Evolvability**
- Günter Wagner (Yale University)
- Lilach Hadany (University of Iowa)
- Suzannah Rutherford (Fred Hutchison Cancer Research Center)
- Susan Rosenberg (Baylor College of Medicine)

**Molecular Evolution of Body Axes**
- Mike Levine (University of California at Berkeley)
- Elaine Seaver (University of Hawaii)
- Mark Martindale (University of Hawaii)
- John Gerhart (University of California at Berkeley)

**Computational and Statistical Advances**
- Sudir Kumar (Arizona State University)
- David Haussler (Univ. of California at Santa Cruz)
- Carlos Bustamante (Cornell University)
- Lindell Bromham (University of Sussex)
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- RNAi and miRNA
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- RNA Catalysis
- RNA Structure and Folding
- Bioinformatics
- RNA & Disease
- Viral RNA Mechanisms
- RNA:Protein Interactions
- RNP Biogenesis and Function
- RNA Regulation in Neurons and Specialized Cells
- RNA Turnover & Surveillance
- RNA Transport and Localization
- RNA Editing and Modification
- Splicing Mechanisms & Regulation
- 3' End Formation
- Ribosomes & Translational Regulation
- Novel Methods in RNA&RNP Research

RNA2008 will start with a keynote address and special session on Monday evening

Keynote Speaker: Dr. Craig Mello

Invited speakers: Dr. Phil Sharp and Dr. David Baulcombe

Organizing Committee: Elena Conti (EMBL Heidelberg), Volker Erdmann (Free University Berlin), Witek Filipowicz (Friedrich Miescher Institute), Reinhard Lührmann (Max-Planck-Institute for Biophysical Chemistry), Joan Steitz (Yale University), Juan Valcarcel (Centre de Regulació Genòmica)

Abstract Deadline: The Organizing Committee invites abstracts on all aspects of RNA structure, function, biology and chemistry. Abstracts for oral presentations will be selected by the Committee and the Session Coordinators. Abstracts that are not selected for oral presentations will be presented as posters.

The deadline for submission of abstracts is **Monday March 24th, 2008**.

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