

## Professor Dr. Manfred Kayser

Diploma University Leipzig, Doctorate Humboldt-University Berlin, Habilitation University Leipzig, Full Professor and Chairman Erasmus University Medical Center Rotterdam

### Vita

- 2008-present Full Professor (*Hoogleraar 1*) & Chairman of Forensic Molecular Biology Erasmus University and Erasmus University Medical Centre Rotterdam
- 2006-2007 Visiting Professor for human evolutionary genetics, Institute of Genetics, University of Cologne
- 2004-present Head, Department of Forensic Molecular Biology, Erasmus University Medical Centre Rotterdam
- 2004-2008 Full Professor (*Hoogleraar A*) & Chairman of Forensic Molecular Biology Erasmus University and Erasmus University Medical Centre Rotterdam
- 2004 Heisenberg Fellow of the Deutsche Forschungsgemeinschaft (DFG) at Max Planck Institute for Evolutionary Anthropology (own group)
- 2004 Honorary Lecturer for Genetics (*Priv.-Doz.*) University of Leipzig
- 2004 Habilitation in Genetics (*Dr.rer.nat.habil.*) University of Leipzig, formal recognition as university teacher for genetics with thesis on human Y chromosome population genetics and human population history
- 1999-2003 Research Scientist at Department of Evolutionary Genetics, Max Planck Institute for Evolutionary Anthropology Leipzig (M. Stoneking)
- 1998-1999 Post-doctoral fellow in Anthropological Genetics, Department of Anthropology, Pennsylvania State University, U.S.A. (M. Stoneking)
- 1998 Doctoral Degree in Biology / Genetics (*Dr.rer.nat.*) Humboldt-University Berlin with *summa cum laude* with thesis on Y chromosome molecular genetics with forensic and anthropological applications
- 1995 Visiting Scientist at Chromosome Molecular Biology Group, Department of Biochemistry, Oxford University (C. Tyler-Smith)
- 1995 Visiting Scientist at Forensic Laboratory for DNA Research, Department of Human and Clinical Genetics, Leiden University (P. de Knijff)
- 1994-1998 Ph.D. student Genetics Research Laboratory, Department of Legal Medicine, Charité, Humboldt-University Berlin (L. Roewer)
- 1994 Diploma in Biology (*Dipl.-Biol.*) University of Leipzig with *magna cum laude* with thesis on microsatellite evolution
- 1989-1994 Study of Biology University of Leipzig (majors: genetics, zoology, biochemistry, ecology)

### Awards and grants

- 2008 Netherlands Genomics Initiative (NGI), *Forensic Genomics Center Netherlands* with P. de Knijff, A. Kloosterman (6.5 Mio EUR, 5 years)
- 2006 Deutsche Forschungsgemeinschaft *Collaborative Research Center SFB 680 Molecular Basis of Evolutionary Innovations*, University of Cologne with P. Nürnberg (414,400.00 EUR, 4 years)
- 2006 Fonds Schiedam Vlaardingen, *Forensic Molecular Biology at Erasmus MC* (227,000.00 EUR, 4 years)
- 2004 Heisenberg Fellowship, Deutsche Forschungsgemeinschaft, (3 years, turned back after 3 months due to professorship appointment)
- 2004 International Fellowship Environmental Science and Research New Zealand

- 2002 European Union (EURESCO), Eurocores-Program *The origin of man, language and languages* with M. Stoneking
- 1998 Konrad Händel Research Award of the German Society of Legal Medicine

### **Academic functions**

- From 2004 Head, Department of Forensic Molecular Biology, Erasmus Medical Center
- From 2004 Member of the Postgraduate School *Medical-Genetic Center Southwest Netherlands* of Erasmus University and Leiden University
- From 2004 Faculty member of the *Master of Science* research program *Molecular Medicine* of the Erasmus University Medical Centre Rotterdam
- From 2004 Member of the *International Society for Forensic Genetics*

### **Ad hoc peer-reviewer: scientific journals**

„American Journal of Human Genetics“\*, „American Journal of Physical Anthropology“, American Journal of Human Biology“, „Annals of Human Genetics“\*, „BMC Genetics“\*, „BMC Evolutionary Biology“, „Current Anthropology“, „Electrophoresis“, „European Journal of Human Genetics“\*, „Experimental Dermatology“, „Forensic Science International“, „Forensic Science International: Genetics“\*, „Genetics“, „Genome Letters“, „Genome Biology“\*, „Genome Research“, „Human Biology“\*, „Human Genetics“\*, „Human Heredity“, „Human Mutations“\*, „Human Molecular Genetics“, „International Journal of Legal Medicine“, „Journal of Ethnic and Migration Studies“, „Molecular Biology and Evolution“\*, „Nature“, „Nucleic Acids Research“, „Pigment Cell & Melanoma Research“, „PLoS One“\*, „Trends in Biotechnology“; \* *more regularly*

### **Ad hoc peer-reviewer: grant proposals**

U.S. National Science Foundation (NSF), British Royal Society, German Research Council (DFG), Dutch Research Council (NWO), South African National Research Foundation (NRF), German-Israeli Foundation for Scientific Research (GIF), National Sciences and Engineering Research Council of Canada (NSERC)

### **Editorial activities: scientific journals**

Editorial Board Member „The Application of Clinical Genetics“ (since 2008)  
 Editorial Board Member „Journal of Biomedicine and Biotechnology“ (since 2008)  
 Editorial Board Member / Academic Editor „PLoS One“ (since 2009)

### **Peer-reviewed publications**

>80 articles since 1995 (see publication list)

### **Invited speaker to conferences, institutions, workshops**

>90x since 1997 (see publication list)

### **Organizer of conferences**

- 2006 International Symposium *Forensic Genetics: Science against Crime*, Erasmus University Rotterdam
- 2002 Workshop *Y Chromosome Analysis and its Application to Forensic Casework*, American Academy of Forensic Sciences, Atlanta, U.S.A.

### **Teaching**

Since 2002 supervisor/co-supervisor of 5 *B.Sc.*, 9 *M.Sc.* students, and committee member of 6 *Ph.D.* students, currently 5 *Ph.D.* students under supervision  
 Lectures & courses on human evolutionary genetics, human population genetics, forensic genetics, and forensic molecular biology at German and Dutch universities