

Curriculum vitae – Katrin Ackermann, PhD

Current position

2009- Post-doctoral research fellow in the Department of Forensic Molecular Biology at the Erasmus University Medical Centre Rotterdam; Supervisor: Prof. Dr. Manfred Kayser.

Scientific education

2008-2009 Post-doctoral research fellow (Marie-Curie Experienced Researcher) in the Chronobiology Research Group, Faculty of Health and Medical Sciences, University of Surrey; Supervisor: Prof. Dr. Debra J. Skene.
2008 Dr. phil. nat. (final grade: magna cum laude).
2004-2007 Postgraduate studies on diurnal rhythms in human and sheep post-mortem tissues at the Institute of Cellular and Molecular Anatomy, University Frankfurt; Supervisor: Prof. Dr. J.H. Stehle.
01-03/2004 Scholarship within the framework of the EU-project 'Structural Proteomics in Europe', at the Institute of Organic Chemistry and Chemical Biology, University Frankfurt.
2003 Diploma in Biochemistry (final grade: very good).
2003 Diploma thesis (6 months): 'Solution NMR studies of an unfolded Lysozyme-mutant and a newly developed Lanthanide-binding tag.'
Tutor: Prof. Dr. Harald Schwalbe, Institute of Organic Chemistry and Chemical Biology, University Frankfurt.
1998–2003 Study of biochemistry at the University Bayreuth and at the University Frankfurt.
1996–1998 Apprenticeship (chemical laboratory worker) at the Institute of Forensic Medicine, Saarland University; apprenticeship passed with distinction in 1998.
1987–1996 Private state-approved grammar school "Albertus-Magnus" in St. Ingbert; acquisition of general qualification for university entrance (Abitur) in 1996.

Grants and Awards

2011-2015 Co-initiator and leading applicant (together with the Principal Investigator, Prof. Manfred Kayser) on the research grant 'Estimating trace deposition time using circadian biomarkers' approved for funding by the NWO (grant award: 307,000 Euro).
2011-2014 Named collaborator on the research grant 'Effect of the circadian clock, time of day and sleep on the human metabolome: identification of metabolite rhythms' approved for funding by the BBSRC (Principal Investigator: Prof. Debra J. Skene, University of Surrey; grant award (100%): 948,715 GBP).
2009 Grant offered by the LUMIE company at the EBRS congress.
2008 Annual PhD-award of the DGRM (German Society for Legal Medicine).
2008 Gordon Research Conference on Pineal Cell Biology, Il Ciocco, Barga, Italy: Funding of conference fee.
2006 Project funding: August Scheidel-Foundation, Heinrich und Fritz Riese-Foundation, Foundation Forensisches Forum.
2006 Gordon Research Conference on Pineal Cell Biology, Buellton, California: Chair's fund.
2005 Project funding Arthur und Margarete Ebert-Foundation.
2004 Scholarship within the framework of the EU-project 'Structural Proteomics in Europe'.

Teaching experience

2010 – 2011 Supervision of a master student (master thesis in forensic science), and guidance in sample preparation, qRT-PCR, data analysis, circadian modelling.

- 2008 Tutor in the student training course on chronobiology at the University of Surrey within the European Sleep Research Society (ESRS) – EU Marie Curie Project 'Training in sleep research and sleep medicine'.
- 2007 Supervision of a diploma student (diploma thesis in biology), and guidance in sample preparation, qRT-PCR, and data analysis.
- 2007 Supervision of a doctoral student (doctoral thesis in medicine), and guidance in sample preparation, Western blotting, and data analysis.
- 2004 – 2007 Supervision of 2 to 4 project students (four weeks per year, full-time).

Invited lectures

'Molecular tools for estimating trace deposition time'.

Seminar talk, NFI (Nederlands Forensisch Instituut), Den Haag, The Netherlands, 22.06.2010.

'Human Chronobiology – From diurnal rhythms in blood cells and (post-mortem) tissues'.

Seminar talk in the group of Dr. Thomas Bourgeron, Director of the Human Genetics and Cognitive Functions Unit, Department of Neuroscience, Institute Pasteur, Paris, France, 01.03.2010.

'*PER3* clock gene expression in human leukocytes – Light-induced phase shifts?'

Seminar talk in the group of Prof. Irene Tobler, Head of the Chronobiology and Sleep Research group, Department of Pharmacology and Toxicology, Neuroscience Center, University of Zurich, Switzerland, 01.12.2008.

'Rhythmogenese im Menschen – Analyse diurnaler Rhythmen im post-mortalen Pinealorgan'. (*DGRM Award Lecture*)

Annual meeting of the German Society for Legal Medicine (DGRM), Dresden, Germany, 24.09.2008-26.09.2008.

'Deciphering human circadian rhythmogenesis: Use of autoptic material as a valid approach'

Seminar talk in the group of Prof. Debra J. Skene, Head of the Human Chronobiology group, Faculty of Health and Medical Sciences, University of Surrey, UK, 05.07.2007.

'Genetische Grundlagen der Chronobiologie – zirkadiane Rhythmogenese und Uhrengene im Menschen.'

7. Conference of the GSAAM (German Society for prevention and anti-aging medicine e.V.), Munich, Germany, 10.05.2007-12.05.2007.

Contributed lectures

'Chronobiology meets Forensics – A Pilot Study'.

Dutch CTR meeting, Groningen, The Netherlands, 15.02.2011.

'Circadian biomarkers for estimating trace deposition time'.

Annual meeting of the German Society for Legal Medicine (DGRM), Berlin, Germany, 21.09.2010-25.09.2010.

'Circadian forensics: circadian biomarkers for future crime scene investigation'.

20th MGC-Symposium (Medisch-Genetisch Centrum Zuid-West Nederland), Leiden, The Netherlands, 16.09.2010.

'New aspects of melatonin synthesis in the human pineal gland.' (*Hot Topic Talk*)

Gordon Research Conference on Pineal Cell Biology, Il Ciocco, Barga, Italy, 20.04.2008-25.04.2008.

'Analyses of diurnal rhythms in human post-mortem tissues.'

Clock Club Meeting, Leicester, UK, 17.03.2008.

'Characterization of diurnal patterns in *Aanat* mRNA, AANAT activity and melatonin content in autoptic human pineal tissue.'

X. Congress of the EPBRS (European Pineal and Biological Rhythms Society, now EBRS), Frankfurt/Main, Germany, 01.09.2005-05.09.2005.

Poster presentations

Posters have been presented at 12 national and international conferences.

Miscellaneous

Member of the *EU Marie-Curie-Program 'The biomedical and sociological effects of sleep restriction'* as Advanced Researcher from January 2008 to January 2009.

Member of the *Graduate School 'Neuronal Plasticity'*, Goethe-University Frankfurt/Main in 2006.