

Facts & Figures

(August 2009)

PhD Students, International PhD Programme in Molecular Medicine

Total number of PhD students	77
Male	32
Female	45
International students	30
Parent students	5

Doctorates conferred (2008/2009), International PhD Programme in Molecular Medicine

Name	Title	Institute	Date of final Examination	Degree
Lebedev, Anton	Functional studies of Cockayne syndrome protein B in RNA polymerase I transcription	Clinic of Dermatology and Allergic Diseases	11/05/2009	PhD
Lulé, Dorothée	Evidence for extra-motor involvement in Amyotrophic lateral sclerosis (ALS)	Clinic of Neurology	01/30/2009	PhD
Retlich, Michael	Molecular Mechanisms of Phospholipase C- γ 2 Activation by Rac GTPases	Institute of Pharmacology and Toxicology	04/17/2009	Dr. rer. nat.
Sander, Marie-Sandrine	Deregulated expression of microRNAs - a critical pathogenic mechanism in MYC-induced lymphoma	Institute of Physiological Chemistry	12/18/2008	Dr. rer. nat.
Wawra, Christian	Robustness Aspects of Signal Network Simulation	Institute of Neuroinformatics	05/08/2009	Dr. rer. nat.

PhD Students, Research Training Group GRK 1041

Total number of PhD students	16
Male	6
Female	10
International students	5
Parent students	2

Doctorates conferred (2004-2009), Research Training Group GRK 1041

Name	Title	Institute	Date of Examination	Degree
Aleksic, Milos	Signaling processes involved in C-peptide induced chemotaxis of CD4-positive lymphocytes	Clinic of Internal Medicine II	10/28/2005	Dr. biol. hum.
Azoitei, Anca	Characterization of hormone binding to the ecdysone receptor	Institute of General Zoology and Endocrinology	06/30/2008	Dr. rer. nat.
Betanska, Katarzyna	Intracellular localization of invertebrate nuclear receptors	Institute of General Zoology and Endocrinology	06/30/2007	Dr. rer. nat.
Heinrich, Christiane	Immunglobulin G-Isotypen der Autoantikörper gegen Glutamat-decarboxylase 65	Clinic of Internal Medicine I	10/23/2008	Dr. med.
Khuseyinova, Natalie	Emerging Role of Lipoprotein-associated Phospholipase A2 (Lp-PLA2) in Cardiometabolic Disorders	Clinic of Internal Medicine II	10/31/2008	Dr. med.
Rathmann, Silvia	Charakterisierung Präproinsulin-spezifischer CD8+ T-Zellen im humanen Typ 1 Diabetes mellitus	Clinic of Internal Medicine I	06/03/2005	Dr. biol. hum.
Spyrantis, Andreas	Induction of Type 1 Diabetes using Preproinsulin-based Vaccines in Experimental Autoimmune Diabetes (EAD)	Clinic of Internal Medicine I	07/20/2007	Dr. biol. hum.
Tata, Nageswara R.	Visualizing Pdx-1 expressing cells in vitro differentiating ES cell cultures	Institute for Immunology	06/30/2007	Dr. biol. hum.
Von Blume, Julia	Identification of post-translational modifications regulating compartment specific substrate phosphorylation by Protein Kinase D2	Clinic of Internal Medicine I	12/08/2006	Dr. biol. hum.



Students of Programme “Experimental Medicine”

Total number of PhD students	19
Male	9
Female	10
International students	0
Parent students	0

Doctorates conferred (2006-2009), Programme “Experimental Medicine”

Name	Title	Institute	Date of final Examination	Degree
Jesse, Sarah	Charakterisierung einer neuen Isoform des humanen Transkriptionsfaktors Lef-1 in der Genese des Pankreaskarzinoms	Clinic of Internal Medicine I	05/30/2008	Dr. med.
Mangold, Stefanie	Apoptose von Alveolar Typ II Epithelzellen nach stumpfem Thoraxtrauma – Rolle der Alveolamakrophagen	Clinic of Trauma Surgery	07/16/2009	Dr. med.

Soft Skill Courses

Course name	Date	Organizer
Biosafety	04/15/2010 - 04/16/2010	Akademie für Wissenschaft, Wirtschaft und Technik
Project Management	11/27/2009 - 11/28/2009	GSC 270
Academic Presentation Skills – Improving performance at international conferences	09/28/2009 - 09/30/2009	International DAAD-Academy
Intercultural conflicts and mediation strategies	09/18/2009 - 09/20/2009	Evangelische Studentengemeinde Ulm
Bioethics	summer term 2007 summer term 2008 08/27/2009 - 08/31/2009	Master Programme Molecular Medicine
Good Scientific Practice	07/03/2008 - 07/04/2008 11/24/2008 - 04/28/2008 05/25/2009 - 05/29/2009 06/15/2009 - 05/19/2009	GSC 270
European Patent Law	06/27/2007 - 06/28/2009 07/30/2008 - 07/31/2008 04/24/2008 - 04/20/2009	Master Programme Molecular Medicine
In vivo Imaging Methods from Preclinical to Clinical Research	06/26/2009 - 06/27/2009	Master Programme Molecular Medicine
Career Workshop	04/24/2009 - 04/25/2009	GSC 270
German Course for beginners	winter term 2008/09 summer term 2009	GSC 270
German Course for advanced learners	summer term 2009	GSC 270

Excursions

Destination	Date	Organizer
Sanofi-Aventis, Berlin	06/25/2009 - 06/27/2009	GRK 1041
Boehringer Ingelheim, Biberach	09/24/2009	GSC 270
Boehringer Ingelheim, Biberach	05/14/2009	GSC 270
Rentschler Biotechnologie, Laupheim	01/16/2009	GSC 270
CANDOR Bioscience GmbH, Weißensberg	06/13/2008	GRK 1041
Ratiopharm GmbH, Ulm	06/21/2007	GRK 1041
Boehringer Ingelheim, Biberach	06/28/2006	GRK 1041
Altana Pharma, Konstanz	07/20/2005	GRK 1041

International Symposia

Meeting	Date	Organizer
Genetics of Diabetes Mellitus	10/14/2009	GRK 1041
Fall Meeting 2009	10/05/2009 - 10/07/2009	GSC 270
Spring Meeting 2009	04/02/2009 - 04/04/2009	GSC 270
Fall Meeting 2008	10/16/2008 - 10/18/2008	GSC 270 & GRK 1041
Spring Meeting 2008	04/03/2008 - 04/05/2008	GSC 270
Fall Meeting 2007	10/11/2007 - 10/13/2007	GSC 270 & SFB 497
Steroid Hormones, Metabolism and Immune Function	12/12/2006 - 12/14/2006	GRK 1041
Founding Symposium GSC 270	10/26/2006 - 10/28/2006	GSC 270
Steroid Hormones, Metabolism and Immune Function	10/05/2006	GRK 1041
GRK Meeting of the Research Groups from Karlsruhe and Ulm	10/04/2006	GRK 1041
Hormones of marmots	10/20/2005	GRK 1041
Nuclear Receptors	10/06/2005	GRK 1041

Summer and Winter Schools

Topic	Date, Venue	Organizer
GRK Winter School 2009	12/15/2009 - 12/17/2009 Kühtai/Austria	GRK 1041
Third Tongji-Ulm Summer School in Molecular Medicine: Stem Cell Biology	07/27/2009 - 08/07/2009 Wuhan/China	GSC 270
20th International Summer School of Epidemiology	07/27/2009 - 07/31/2009 Günzburg/Germany	Inst. for Epidemiology, ICAS, GSC 270, UNC, Chapel Hill, USA
PENS Summer School - Metabolic Aspects of Chronic Brain Diseases	07/09/2009 - 07/15/2009 Günzburg/Germany	Clinic of Neurology Ulm University
Mouse Genetics	06/02/2009 - 06/06/2009 Oulu/Finland	Biocenter Oulu
Neurology	04/04/2009 - 04/18/2009 Peking/China	Clinic of Neurology, Ulm University, GSC 270
Second Tongji-Ulm Summer School in Molecular Medicine	07/21/2008 - 08/01/2008 Wuhan/China	GSC 270
Advances in Cell Death Research - from Basic Principles to New Therapeutic Concepts	07/16/2008 - 07/20/2008 Günzburg/Germany	Marie Curie Research Training Network
Summer School Timisoara	07/07/2008 - 07/20/2008 Timisoara/Romania	GSC 270
GRK Winter School 2007	12/12/2007 - 12/13/2007 Kühtai/Austria	GRK 1041
First Tongji-Ulm Summer School in Molecular Medicine: From Molecules to Therapies	08/13/2007 - 08/25/2007 Wuhan/China	GSC 270

Retreats

Topic	Date, Venue	Organizer
Genetics and Molecular Biology	09/25/2009 - 09/27/2009 Asheville/USA	University of North Carolina at Chapel Hill, USA
Signalling Networks in Oncology: molecules, mice and men	08/06/2009 - 08/08/2009 Allensbach-Hegne/Germany	GSC 270
G protein-coupled chemokine and Wnt receptors as regulators of mammalian development and cancer progression	06/21/2009 - 06/24/2009 Bigorio/Switzerland	GSC 270

Minisymposia/Workshops

Topic	Date	Organizer
Workshop at Bayer Schering Pharma	10/14/2009 - 10/16/2009	University Children's Hospital
Women Career Development	09/26/2009	University Children's Hospital
Seminars in Cell and Developmental Biology	05/20/2009	GSC 270
Biostatistics Workshop	02/17/2009	Experimental Anesthesiology
Signal transduction in development, degeneration and disease	09/17/2008	GSC 270
Fat cells	10/11/2007	GRK 1041
Molecular Diabetology and Endocrinology in Clinical Medicine	04/27/2007	GRK 1041
GRK Mini-Symposium, Heinrich-Fabri-Institute	04/21/2005	GRK 1041

Social Activities

Activity	Date
Get together	12/10/2009
Summer Party	08/05/2009
Visit of the Bundesfestung Ulm	08/04/2009
Jour fixe "Application procedure in Germany"	07/07/2009
Barbecue	07/02/2009
Excursion to "Nördlinger Ried"	06/20/2009
Visit of Ulm's Fishermen's and Tanners' Quarter	06/02/2009
Jour fixe "Europe today"	05/05/2009
Movie "Slumdog Millionaire"	03/30/2009
Ski Excursion	03/15/2009
Jour fixe "Cinema"	03/03/2009
Jour fixe "Carnival"	02/10/2009
Welcome Evening	01/20/2009
Christmas Party	12/10/2008
Get together	07/27/2006
Get together	10/08/2004

Invited Speakers (2006-2009)

Topic	Speaker	Date	Organizer
The role of mitochondria in beta-cell stimulus-secretion coupling and the pathogenesis of type 2 diabetes	H. Mulder, Malmö/Sweden	11/19/2009	GRK 1041
Cytokines and beta-cell biology/pathology: from concept to clinical translation	T. Mandrup-Poulsen, Gentofte/Denmark	10/22/2009	GRK 1041
Moving targets – receptor diffusion and the mode of G protein activation	M. Freissmuth, Vienna/Austria	10/06/2009	GSC 270
Systems genetics of adult hippocampal neurogenesis	R. Overall, Dresden/Germany	10/06/2009	GSC 270
Identification of gene networks in hematopoietic stem cells	G. de Haan, Groningen/NL	10/06/2009	GSC 270
Forward genetics to identify genes regulating hematopoietic stem cells	G. Van Zant, Lexington/USA	10/06/2009	GSC 270
Gene therapy for Diabetes: moving forward to the clinic?	F. Bosch, Barcelona/Spain	10/06/2009	GSC 270
Recent development in gene therapy for hemophilia	T. VandenDriesschen, Leuven/NL	10/06/2009	GSC 270
Novel hyperactive transposases obtained by Darwinian evolution and selection for efficient stem cell gene delivery	T. Vanden Driesschen, Leuven/NL	10/06/2009	GSC 270
Gene therapy for chronic granulomatosis: ups and downs	M. Grez, Frankfurt/Germany	10/06/2009	GSC 270
GPCRs as metabolic sensors - physiology and pharmacology	S. Offermanns, Heidelberg/Germany	10/05/2009	GSC 270
Strategies for the differentiation of embryonic stem cells into the endoderm and pancreatic lineage	A. Wobus, Gatersleben/Germany	07/23/2009	GRK 1041
Not all in the genes: the origins of type 1 diabetes	D. Leslie, London/UK	07/16/2009	GRK 1041
Dual therapy improves stem cell recruitment, heart function, and survival after myocardial infarction	W.-M. Franz, Munich/Germany	07/16/2009	SFB 497
PTK7 signaling in neural crest migration	A. Borchers, Göttingen/Germany	07/08/2009	GSC 270
Induced and intrinsic clonal dominance in gene-modified hematopoiesis	C. Baum, Hannover/Germany	07/07/2009	SFB 497
Dynamics of Ras and Src Membrane Interactions in Live Cells and their Roles in Signaling	Y. Henis, Tel Aviv/Israel	07/06/2009	SFB 497
Identification, characterization and regulation of islet beta-cell (re)generation during normal development and autoimmune diabetes in mice	K. Pechhold, National Institute of Health/USA	06/08/2009	SFB 518
Is treatment of postmeal hyperglycaemia beneficial? How can we achieve postmeal glucose control?	H.-J. Würle, Boehringer Ingelheim/Germany	06/04/2009	GRK 1041

Topic	Speaker	Date	Organizer
Gene regulation mechanisms by the transcriptional coactivator Mastermind-like 1	A. Wallberg, Stockholm/Sweden	06/04/2009	SFB 497
The diverse biological functions of START domain proteins in lipid metabolism, signaling and cell transformation	M. Olayioye, Stuttgart/Germany	05/20/2009	GSC 270
Interaction of Wnt, Bmp and hedgehog signalling in limb musculoskeletal development and disease	S. Stricker, Berlin/Germany	05/20/2009	GSC 270
RunX1 and the origin of blood cells	C. Lancrin, Manchester/UK	05/20/2009	GSC 270
Molecular mechanisms of neuronal development in the dorsal spinal cord	C. Birchmeier-Kohler, Berlin/Germany	05/15/2009	SFB 497
Function of cytokines in lymphoid tissue development	D. Finke, Basel/Switzerland	05/14/2009	SFB 497
Molecular circuits controlling (cardiac) muscle remodeling and regeneration	T. Braun, Bad Nauheim/Germany	05/07/2009	SFB 497 & SFB 518
Programming and selection of pluripotent stem cells towards distinct cardiovascular cell types	W.-M. Franz, Munich/Germany	05/06/2009	GSC 270
Kinase-dependent regulation of seven transmembrane proteins in vertebrate development	M. Philipp, Duke, North Carolina/USA	04/30/2009	GSC 270
Borna Disease Virus - A tool to study mechanisms of selective neuronal degeneration in the hippocampus	B. Heimrich, Freiburg/Germany	04/27/2009	SFB 497
Molecular and cellular aspects of regulatory T cell generation and function	K. Kretschmer, Dresden/Germany	04/23/2009	SFB 497
Self-renewal versus differentiation in hematopoietic stem and progenitor cells	B. Giebel, Essen/Germany	04/16/2009	SFB 497
Senescence at the tumor/stroma interface	C. Schmitt, Berlin/Germany	04/04/2009	GSC 270
Leukemic stem cells in acute myeloid leukemia	C. Buske, Munich/Germany	04/04/2009	GSC 270
Pathogenesis of Hodgkin lymphoma	R. Küppers, Essen/Germany	04/04/2009	GSC 270
Cancer and metastasis: lessons from the embryo?	S. Piccolo, Padua/Italy	04/04/2009	GSC 270
Molecular strategies for the development of new antiviral drugs	G. Palù, Padua/Italy	04/03/2009	GSC 270
The bachelor of clinical science course of studies at University of Exeter	N. Toms, Plymouth/UK	04/03/2009	GSC 270
Modelling Downstream Effects of Signaling Pathway Deregulation	R. Spang, Regensburg/Germany	04/03/2009	GSC 270
Steps towards Spatial Multi-Level Modeling and Simulation in Computational Biology	A. Uhrmacher, Rostock/Germany	04/03/2009	GSC 270



Topic	Speaker	Date	Organizer
Tree based classification as Tool for Systems Biology	B. Lausen, Essex/UK	04/03/2009	GSC 270
Making it small: protein microarrays – arrays of applications	T. Joos, Reutlingen/Germany	04/03/2009	GSC 270
From loss of merlin to tumorigenesis	O. Hanemann, Plymouth/UK	04/03/2009	GSC 270
Developmental control of the cell cycle	B. Duronio, Chapel Hill/USA	04/03/2009	GSC 270
Cell-cell communication in the developing nervous system	E. Pera, Lund/Sweden	04/03/2009	GSC 270
Determination and differentiation during eye development	T. Hollemann, Halle/Germany	04/03/2009	GSC 270
Patterning of the early vertebrate heart	F. Conlon, Chapel Hill/USA	04/03/2009	GSC 270
Principles of CD8 T cell priming against cytomegalovirus	M. Reddehase, Mainz/Germany	04/02/2009	GSC 270
Leukemic Stem Cells in Acute Myeloid Leukemia	C. Buske, Munich/Germany	03/27/2009	Stem Cell & Tumor Stem Cell Club
In vitro characterization (2D and 3D) of osteoblasts and msc's from old sheep & establishment of a critical size defect in sheep for bone engineering application by using plate fixation	D. Hutmacher, Queensland/Australia	03/23/2009	Institute of Orthopaedic Research and Biomechanics
MAP-kinases downstream signaling in inflammation and beyond	A. Kotlyarov, Hannover/Germany	03/17/2009	SFB 518
Immunomodulation of T1D: GAD treatment and insulin secretion in recent-onset type1 diabetes	J. Ludvigsson, Linköping/Sweden	03/12/2009	GRK 1041
Mucin synthesis and regulated secretion in airway goblet cells	C. W. Davis, Chapel Hill/USA	03/02/2009	Institute of General Physiology
Danger sensing by complement: the curious case of an anaphylatoxin receptor	J. Köhl, Lübeck/Germany	02/16/2009	KFO-200 & GSC 270
Biosensors spy on biosensors: assembly and function of TRP channels	M. Schaefer, Leipzig/Germany	02/12/2009	GRK 1041
Funktionelle Genomanalysen beim Pankreaskarzinom	T. Gress, Gießen and Marburg/Germany	01/29/2009	SFB 518
Thyroid Hormone Axis Beyond Textbooks: Novel Actors, Metabolites, Nutritive and Environmental Targets	J. Köhrle, Berlin/Germany	01/22/2009	GRK 1041
The Granulocyte Nuclear Envelope: Interactions with Heterochromatin and Cytoskeleton	D. & A. Olins, Maine/USA & Heidelberg/Germany	01/15/2009	SFB 518
Molecular and cellular aging – from mechanisms to clinical perspectives	R. G. Faragher, Brighton/UK	11/26/2008	KFO142
Molecular mechanisms for driving and braking T cell activation	D. Krappmann, Munich/Germany	11/20/2008	Institute of Physiological Chemistry
Wnt6 signalling and GATA transcription factors regulate heart muscle development in Xenopus	S. Hoppler, Aberdeen/UK	11/20/2008	Institute of Biochemistry and Molecular Biology

Topic	Speaker	Date	Organizer
DFG-Funding in the Life Sciences: Questions and Answers	F. Wissing, DFG/Germany	10/18/2008	GSC 270
The clinical manifestation of defective DNA repair in the hereditary cancer syndromes, Nijmegen Breakage Syndrome and Fanconi anaemia	M. Digweed, Berlin/Germany	10/18/2008	GSC 270
Identification of global chromatin modification patterns in leukemia by ChIP-Chip	C. Müller-Tidow, Münster/Germany	10/18/2008	GSC 270
Distinct gene expression profiles of acute myeloid/T-lymphoid leukemia with silenced CEBPA and mutations in NOTCH1	B. Wouters, Rotterdam/NL	10/18/2008	GSC 270
DFG's programmes supporting young researchers	A. Buckow DFG/Germany	10/17/2008	GSC 270
The role of the microenvironment in the pathogenesis of B cell chronic lymphocytic leukemia	M. Seiffert, Heidelberg/Germany	10/17/2008	GSC 270
PALB2, a recently identified gene associated with hereditary susceptibility to breast cancer	S. Solyom, Oulu/Finland	10/17/2008	GSC 270
Cellular model systems for neurodegenerative disease	M. Leist, Konstanz/Germany	10/17/2008	GSC 270
Integrative analysis for finding genes and networks involved in diabetes and other complex diseases	F. Pociot, Gentofte/Danmark & Lund/Sweden	10/17/2008	GSC 270
Increase in tissue endothelin-1 and ETA receptor levels in human aortic valve stenosis	T. Peltonen, Oulu/Finland	10/17/2008	GSC 270
The genetics of different forms of type 1 diabetes	P. Pozzilli Rome/Italy	10/17/2008	GSC 270
Assembling an organ: The kidney as a model system	S. Vainio Oulu/Finland	10/16/2008	GSC 270
Changing perspectives in diabetes: Declassifying diabetes	E. Gale, Bristol/UK	10/11/2008	SFB 518
Class II MHC: Biology and association with autoimmune disease	E. Mellins, Stanford/USA	10/11/2008	SFB 518
Genetic analysis of insulin action	E. Rother, Cologne/Germany	10/11/2008	SFB 518
Prime role for an insulin epitope in the development of type 1 diabetes	G. Eisenbarth, Aurora/USA	10/11/2008	SFB 518
Insulinitis in type 2 diabetes: from concept to clinical translation	M. Donath, Zürich/Switzerland	10/11/2008	SFB 518
The CD4+ autoreactive T cell in T1D	G. Nepom, Seattle/USA	10/10/2008	SFB 518
Identification of a receptor for export of collagenVII from the endoplasmic reticulum	V. Malhotra, Barcelona/Spain	10/10/2008	SFB 518
Molecular Engineering of Cellular Environments: Cell Adhesion and Migration on Nano-Digital Surfaces	J. P. Spatz, Heidelberg/Germany	10/10/2008	SFB 518
Therapeutic potential of cancer Stem cell targeting	R. de Maria, Rome/Italy	10/10/2008	SFB 518



Topic	Speaker	Date	Organizer
Distinct Tumor Stem Cell Populations in Pancreatic Cancer – Implications for Tumor Biology	C. Heeschen, Munich/Germany	10/10/2008	SFB 518
Targeting IAPs TNFa and ubiquitin connections	D. Vucic, San Francisco/USA	10/10/2008	SFB 518
(X)IAP Inhibition and Apoptosis Induction: Explaining the Remarkable Synergy with Death Receptor Agonists	J. Gillard, Montreal/Canada	10/10/2008	SFB 518
Inducing Apoptosis with TRAIL Receptor Antibodies	R.C. Humphreys Rockville/USA	10/10/2008	SFB 518
From Caterpillars to Clinics: a rationally designed anti-cancer drug specifically kills tumour cells	J. Silke Victoria/Australia	10/09/2008	SFB 518
Defining the role of microRNAs Stem Cell self-renewal and differentiation	M. Castoldi Heidelberg/Germany	10/06/2008	Institute of Biochemistry and Molecular Biology
The emerging role of reversible protein oxidation in cellular signaling and regulation	T. Dick, Heidelberg/Germany	09/10/2008	SFB 497
The role of arginine methylation in transcriptional control	U.-M. Bauer, Marburg/Germany	08/14/2008	SFB 497
From molecules to modules: The opsin receptor at different levels of biological organisation	K.-P. Hofmann, Berlin/Germany	06/26/2008	SFB 497
Prognostic significance of islet autoantibodies in pre-Type 1 diabetes	P. Achenbach, Munich/Germany	06/19/2008	GRK 1041
Epigenetic networks and cellular reprogramming	R. Paro, Zürich/Switzerland	06/18/2008	SFB 497
The role of the homeobox gene <i>Sax2</i> in brain development and homeostasis	R. Simon, New York/USA	06/12/2008	Institute of Molecular and Cellular Anatomy
Cryo-electron tomography of whole cells	M. Cyrklaff, Heidelberg/Germany	06/05/2008	SFB 518
From cells to functional tissues: A study of pancreatic islets and their blood vessels	E. Lammert, Düsseldorf & Dresden/Germany	05/30/2008	GRK 1041
Genetic Control of Cell Behavior during Zebrafish Heart Morphogenesis	B. Jungblut, Bad Nauheim/Germany	05/15/2008	SFB 497
Wnt signalling in <i>Drosophila</i> : Insights into signal presentation and transduction	V. Katanaev, Konstanz/Germany	04/17/2008	SFB 497
Regulation of Golgi organization	F. Bard, Singapore	04/05/2008	GSC 270
Fundamental differences between human and rodent islet physiology: how can we trick human islets to proliferate	B. Gauthier, Geneva/Switzerland	04/05/2008	GSC 270
Molecular events controlling cancer stem cell survival	G. Stassi, Palermo/Italy	04/05/2008	GSC 270
PTEN and hepatocellular carcinoma	D. Yang, Wuhan/China	04/04/2008	GSC 270

Topic	Speaker	Date	Organizer
Pdcd4, a colon cancer prognostic that is regulated by micro RNA 21	H. Allgayer, Mannheim/Germany	04/04/2008	GSC 270
Expression of mutant type XIII collagen in transgenic mice is associated with development of lymphomas	A. Tuomisto, Oulu/Finland	04/04/2008	GSC 270
Type XIII collagen on mouse skin carcinogenesis	J. Tahkola Oulu/Finland	04/04/2008	GSC 270
The effect of TRAIL on tumor cells	I. Jeremias, Munich/Germany	04/04/2008	GSC 270
Identification of a novel stem cell population that contributes to mammalian brain regeneration	V. Taylor, Freiburg/Germany	04/04/2008	GSC 270
Function of type XV collagen and Laminin 4 in peripheral nerve development	K. Rasi, Oulu/Finland	04/04/2008	GSC 270
Wnt-11 signalling in the control of heart development	I. Nagy Oulu/Finland	04/04/2008	GSC 270
Finding the pathway, mass cell migration directed by non-canonical Wnt-signalling	D. Wedlich, Karlsruhe/Germany	04/04/2008	GSC 270
Gene control in murine muscle and brain: essential functions of SRF	A. Nordheim, Tübingen/Germany	04/03/2008	GSC 270
Erythrocyte GLUT1 triggers dehydroascorbic uptake in mammals unable to synthesize vitamin C	N. Taylor, Montpellier/France	03/31/2008	Institute of Immunology
Role of the adipose tissue as an immunological organ	M. Schäffler, Regensburg/Germany	01/31/2008	GRK 1041
Early and late immunological checkpoints in the pathogenesis of autoimmune diabetes	C. M. Cilio, Lund/Sweden	01/09/2008	GRK 1041
CD8aa+ TcRab+ intraepithelial lymphocyte differentiation in the thymus	F. Lambolez, La Jolla/USA	12/20/2007	SFB 497
Fatty liver: a cause of viscera obesity?	D. Müller-Wieland, Hamburg/Germany	12/12/2007	GRK 1041
Targeting the Ubiquitin System	I. Dikic, Frankfurt/Germany	11/27/2007	SFB 497
Autoimmune diabetes in adults: recent findings on antibodies titre	M. Capizzi, Roma/Italy	11/22/2007	GRK 1041
Cellular poly (ADP-ribosyl)ation: a matter of life and death	A. Bürkle, Konstanz/Germany	11/15/2007	SFB 497
Prediction and Signal Classification using Reconstructed Phase Spaces	R. J. Povinelli, Marquette University/ USA	11/14/2007	SFB 518
The role of the nuclear receptor tailless in neurogenesis and brain tumor formation	G. Schütz, Heidelberg/Germany	10/18/2007	SFB 497
The role of Toll-like receptor stimulation in autoimmunity or tolerance	M. Ehlers, Berlin/Germany	10/16/2007	GRK 1041
Molecular mechanisms of assembly and plasticity of CNS synapses	E. D. Gundelfinger, Magdeburg/Germany	10/11/2007	SFB 497
Mutations in postsynaptic proteins link synapse formation to mental retardation	C. Sala, Milano/Italy	10/11/2007	SFB 497
Role of Shank associated protein in dendrite morphogenesis	L. Fagni, Montpellier/France	10/11/2007	SFB 497



Topic	Speaker	Date	Organizer
Possible targets for neuroprotectants against excitotoxicity - the postsynaptic density and beyond	M. Courtney, Kuopio/Finland	10/11/2007	SFB 497
Neuroigin function - From synaptogenesis to molecular mechanisms of autism	N. Brose, Göttingen/Germany	10/11/2007	SFB 497
Abnormal synaptogenesis and melatonin synthesis in autism spectrum disorders	T. Bourgeron Paris/France	10/11/2007	SFB 497
The role of serine kinases in lymphocytes	D. Cantrell, Dundee/UK	10/12/2007	SFB 497
Control of T cell activation and cytotoxic antitumor immunity by the E3 ligase Cbl-b	J. Penninger, Wien/Austria	10/12/2007	SFB 497
Calcium signalling in lymphocytes	A. Rao, Boston/USA	10/12/2007	SFB 497
Initiation and fine-tuning the calcium response of activated B cells	J. Wienands, Göttingen/Germany	10/12/2007	SFB 497
The plasticity of T cell responses to different antigen presenting cells	M. Gunzer, Braunschweig/Germany	10/12/2007	SFB 497
Spatiotemporal aspects of T cell activation in vitro and in vivo	M. Krummel, San Francisco/USA	10/12/2007	SFB 497
Wnt signaling directly represses hemocytespecific genes through a novel mechanism	K. Cadigan, Ann Arbor/USA	10/12/2007	SFB 497
Cross-talks between retinoic acid, Fgf and Shh signalling during early mouse caudal development	P. Dollé, Illkirch/France	10/12/2007	SFB 497
Cell fate decisions during sensory placode development	A. Streit, London/UK	10/12/2007	SFB 497
Natural and small molecule inducers of cardiogenesis	M. Mercola, La Jolla/USA	10/12/2007	SFB 497
Calcium signaling in zebrafish embryonic patterning and morphogenesis	D. C. Slusarski, Iowa City/USA	10/12/2007	SFB 497
The reversal of cell differentiation by nuclear transfer	J. Gurdon, Cambridge/UK	10/12/2007	SFB 497
Nanog; guardian of pluripotency, gateway to the germline	I. Chambers, Edinburgh/UK	10/13/2007	SFB 497
Epigenetic landscape in stem cells	HH Ng, Singapore	10/13/2007	SFB 497
Dissecting self-renewal and programmed cell death in pluripotent embryonic stem cells	T. P. Zwaka, Houston/USA	10/13/2007	SFB 497
From ES cells to neural stem cells to functional neurons	O. Brüstle, Bonn/Germany	10/13/2007	SFB 497
Lineage specific differentiation of embryonic stem cells	G. M. Keller, Toronto/Canada	10/13/2007	SFB 497
Transcriptional control of B cell immortalization by Epstein-Barr Virus nuclear antigens 2, 3A and 3C	B. Kempkes, Munich/Germany	09/20/2007	SFB 497
A human phenome-interactome network of protein complexes implicated in genetic disorders	F. Pociot, Gentofte/Denmark	09/13/2007	GRK 1041

Topic	Speaker	Date	Organizer
IKK/NF- κ B signalling protects the liver and the gut from inflammation and cancer	M. Pasparakis, Köln/Germany	08/21/2007	SFB 497
The role of the non-receptor tyrosine kinase Syk for the control of the acute inflammatory response	B. Walzog, Munich/Germany	07/19/2007	SFB 497
Identification of novel Protein Kinase D targets	J. van Lint, Leuven/Belgien	07/16/2007	SFB 518
Advanced Glycation Endproducts (AGE) - Mediators of Tissue Ageing?	A. Simm, Halle-Wittenberg/Germany	07/09/2007	KFO
Clinical use of human embryonic stem cells	T. Zwaka, Houston/USA	06/29/2007	SFB 451
Engineering myocardial tissue	T. Eschenhagen, Hamburg/Germany	06/29/2007	SFB 451
Stem cell therapy in stable and unstable angina	A. Zeiher, Frankfurt/Germany	06/29/2007	SFB 451
Cardiovascular molecular imaging	O. Schober, Münster/Germany	06/29/2007	SFB 451
Targeted contrast agents for imaging of atherosclerosis	Z. Fayad, New York/USA	06/29/2007	SFB 451
Principles of contrast agents in molecular imaging	S. Caruthers, St. Louis/USA	06/29/2007	SFB 451
Stem cell based repair of the myocardium	B. Fleischmann, Bonn/Germany	06/29/2007	SFB 451
Gene activity profiles in pre- and post-conditioning	M. Schaub, Zürich/Switzerland	06/29/2007	SFB 451
Connexin 43 and cardioprotection	G. Heusch, Essen/Germany	06/29/2007	SFB 451
The RAS as a target to modulate vascular disease	G. Nickenig, Bonn/Germany	06/29/2007	SFB 451
Antiatherogenic properties of nuclear receptors	B. Staels, Lille/France	06/29/2007	SFB 451
The role of chemokines in vascular inflammation	C. Weber, Aachen/Germany	06/29/2007	SFB 451
The role of Timp3 in diabetes and vascular inflammation	M. Federici, Rome/Italy	06/28/2007	SFB 451
Insulin resistance and vascular complications	S. del Prato, Pisa/Italy	06/28/2007	SFB 451
Epidemiology of diabetes, insulin resistance, and acute coronary syndromes	D. McGuire, Dallas/USA	06/28/2007	SFB 451
CRP promotes atherogenesis	I. Jialal, Sacramento/USA	06/28/2007	SFB 451
Animal models of CRP and atherosclerosis	J. Fan, Yamanashi/Japan	06/28/2007	SFB 451
Inflammation markers and cardiovascular risk	A. von Eckardstein, Zürich/Switzerland	06/28/2007	SFB 451
Senescence of endothelial cells	J. Händeler, Frankfurt/Germany	06/28/2007	SFB 451



Topic	Speaker	Date	Organizer
Physical activity and endothelial progenitor cells	U. Laufs, Homburg/Germany	06/28/2007	SFB 451
The role of ADMA	R. Böger, Hamburg/Germany	06/28/2007	SFB 451
Arrhythmias and Congenital Heart Disease in Drosophila	R. Bodmer, San Diego/USA	06/28/2007	SFB 497
Animal models for type 1 diabetes	B. Roep, Leiden/NL	06/14/2007	GRK 1041
Cylindromatosis in mice	R. Fässler, Martinsried/Germany	05/07/2007	SFB 497
Functional Genomics and Proteomics in Cancer Research	J. Hoheisel Heidelberg/Germany	04/24/2007	SFB 518
Receptor mechanisms in taste perception	W. Meyerhof, Potsdam/Germany	04/19/2007	SFB 497
New aspects in ALS	O. Hardiman, Dublin/Ireland	04/16/2007	Clinic of Neurology
Molecular analysis of the non-canonical NF-kappaB pathway	Y. Sunami, Berlin/Germany	04/16/2007	SFB 497
Do infectious diseases protect from the development of allergic?	K. Erb, Boehringer Ingelheim/ Germany	04/16/2007	Microbiological-Infectious Seminar
Regulation of Type 1 diabetes by NKT cells	A. Lehuen, Paris/France	04-05-2007	GRK 1041
Role of Poly(ADP-ribose) Polymerase1 in NF-kappaB-dependent Gene Expression	M. O. Hottiger, Zürich/Switzerland	03/22/2007	Children's Hospital
Molecular mechanisms of cellular senescence	F. d'Abba di Fagnana, Milan/Italy	03/19/2007	Institute of Dermatology and Allergology
Axon-glia interactions and the control of myelination	K.-A. Nave, Göttingen/Germany	03/14/2007	SFB 497
UV irradiation, caspase-1 and alternative protein secretion	H.-D. Beer, Zürich/Switzerland	03/13/2007	Institute of Dermatology and Allergology
Function of Myc target genes in growth and stress control of the nucleolus	D. Eick, Munich/Germany	02/15/2007	SFB 497
Adiponectin and mortality	W. März, Graz/Austria	02/08/2007	GRK 1041
Intestinal Antigen Acquisition and Processing	PH.-C. Reinecker, Boston/USA	01/24/2007	SFB 518
Seminar: Let there be light – bioluminescent reporter systems for in vitro and in vivo imaging of bacteria	C. Riedel, Cork/Ireland	01/15/2007	Institute of Microbiology and Biotechnology
Design of the Ludwigshafen Study – How to perform clinical studies	B. Winkelmann, Frankfurt/Germany	12/21/2006	GRK 1041
Study of transcriptional targets of Epstein-Barr virus (EBV) and apoptosis regulation by the pro-apoptotic receptor FAS (CD95) in EBV infected B cells: Role of LMP1	C. Le Cloennec, Limoges/France	12/18/2006	SFB 497

Topic	Speaker	Date	Organizer
Chlamydiae if they exist they are everywhere	A. Pospischil, Zürich/Switzerland	12/11/2006	Institute of Medical Microbiology and Hygiene
The changing face of autoimmune diabetes	D. Mauricio Barcelona/Spain	10/28/2006	GSC 270
Central mechanisms of tolerance	C. Bleul Freiburg/Germany	10/28/2006	GSC 270
In vivo imaging in drug discovery and development	D. Stiller, Boehringer Ingelheim, Biberach/Germany	10/28/2006	GSC 270
Analysis of signaling networks downstream of G-protein coupled receptors	M. Thelen, Bellinzona/Switzerland	10/27/2006	GSC 270
Bassoon, Piccolo and their voice in the ensemble of presynaptic proteins	E. D. Gundelfinger, Magdeburg/Germany	10/27/2006	GSC 270
The IKK complex is the central element in NF-kappaB activation by oxidative stress and DNA damage	J. Piette, Lüttich/Belgium	10/27/2006	GSC 270
Enhancing drug sensitivity in human cancer via death receptor-mediated apoptosis	S. De Jong, Groningen/NL	10/27/2006	GSC 270
Structural aspects of regulation of PLC isoforms	T. D. Bunney, London/UK	10/27/2006	GSC 270
Paradigm shifts in our understanding of estrogen signaling following the discovery of estrogen receptor beta	S-Å. Gustafsson, Stockholm/Sweden	10/27/2006	GSC 270
Molecular basis of cancer: The Wnt paradigm	J. Behrens, Erlangen/Germany	10/26/2006	GSC 270
Role of Sox proteins in glial cell differentiation	M. Wegner, Erlangen/Germany	10/19/2006	SFB 497
Modeling and treating immune-mediated diseases in transgenic zebrafish	N. Trede, Salt Lake City/USA	10/02/2006	SFB 497
Sumoylation of the transcription factors C/EBPbeta and NFATc1 and the functional consequences for T cells	F. Berberich-Siebelt, Würzburg/Germany	09/14/2006	SFB 497
Cardio protection by embryonic endothelial progenitor cells: Paracrine effects	C. Kupatt, Munich/Germany	09/07/2006	SFB 451
NF-kappaB-dependent cell cycle regulation in pancreatic ductal adenocarcinoma cells	G. Schneider, Munich/Germany	08/24/2006	SFB 497
Osmo-protection of lungs against deformation injury	R. Hubmayr, Rochester/USA	08/04/2006	Institute of Applied and General Physiology
The surfactant film under thermal stress: Insights to a new paradigm for surfactant composition & function	S. Orgeig, Adelaide/Australia	08/01/2006	Institute of Applied and General Physiology
Dynamics of Ras and Src membrane interactions in live cells	Y. I. Henis, Tel Aviv/ Israel	07/28/2006	SFB 497
Turning blood into insulin-producing cells or, re-programming of human blood monocytes into surrogate beta-cells for the treatment of Type 1 diabetes	B. R. Gauthier Geneva/Switzerland	07/27/2006	GRK 1041



Topic	Speaker	Date	Organizer
Genetics of type 1 diabetes and monogenic forms of atypical diabetes	C. Julier, Paris/France	07/20/2006	GRK 1041
Epigenetic shut-down of Oct-3/4	Y. Bergman, Jerusalem/Israel	07/20/2006	SFB 497
Regulation of glucose metabolism in <i>Bacillus subtilis</i> by protein-RNA interactions	J. Stülke, Göttingen/Germany	07/17/2006	Institute of Microbiology and Biotechnology
Culturing Hepatitis C Virus - selecting the right ingredients opens new perspectives	T. Pietschmann, Heidelberg/Germany	07/10/2006	Institute of Virology
Retinoic acid signalling during early mouse embryogenesis	I. O. Sirbu, San Diego/USA	06/30/2006	SFB 497
Diversity, plasticity, and mechanical role of titin in muscle	W. Linke, Münster/Germany	06/28/2006	Institute of General and Applied Physiology
Vascular Endothelial Growth Factor (VEGF) in Meningitis and Sepsis	M. van der Flier, Rotterdam/Belgium	06/26/2006	Institute of Medical Microbiology and Hygiene
Generation of insulin-producing cells from adult pancreatic stem cells	J. Seifler, Munich/Germany	06/22/2006	GRK 1041
Synaptic physiology: applications and perspectives	D. M. Kullmann, London/UK	06/19/2006	Clinic of Neurology
Chronic inflammation as a universal modifier of prion tropism: From tertiary follicles to granulomatous inflammation. From mouse to sheep	M. Heikenwälder, Zürich/Switzerland	06/12/2006	Institute of Immunology
The adaptor protein Nck, a new player in the regulation of the activity of the eukaryotic initiation factor eIF2	L. Larose, Montreal/Canada	06/08/2006	SFB 497 + SFB 451
Management of Hemolytic Disease of the Newborn: Past, Present, and Future	G.A. Denomme, Toronto/Canada	05/24/2006	Institute of Transfusion Medicine
Hematopoietic stem cell expansion ex vivo	K. Karjalainen, Basel/Switzerland	05/22/2006	Institute of Medical Microbiology and Hygiene
Gene regulatory networks in early neural development	S. Moody, Washington/USA	05/18/2006	SFB 497
Regulation of CNC and Maf transcription factors: knockouts, cytokines and stress	V. Blank, Montreal/Canada	05/18/2006	SFB 497
Clinical Utility of RHD Genotyping in 33,000 In- and Outpatients from Toronto	G. A. Denomme, Toronto/Canada	05/17/2006	Institute of Transfusion Medicine
Amphibians as model to study endocrine disruptors affecting reproduction and thyroid system	W. Kloas, Berlin/Germany	05/11/2006	GRK 1041
Mass blood group genotyping using microarray technology	G. A. Denomme, Toronto/Canada	05/10/2006	Institute of Transfusion Medicine
Degeneration of dopaminergic neurons - mouse models and mechanisms	B. Liss, Marburg/Germany	05/08/2006	Clinic of Neurology

Topic	Speaker	Date	Organizer
Early T-cell development	A. Krueger, Boston/USA	05/05/2006	SFB 497
The daily rhythms of genes, cells, and organs	U. Schibler, Geneva/Switzerland	04/20/2006	SFB 497
Molecular pathomechanism of acute and chronic testicular inflammation	A. Meinhardt, Giessen/Germany	04/06/2006	GRK 1041
Raf - Kinases and Treatment of Human Cancer	U. R. Rapp, Würzburg/Germany	03/16/2006	SFB 497
Elementary Properties of Exocytosis and Hormone Release	R. Zorec, Ljubliana/Slovenia	03/09/2006	Institute of Applied Physiology & Institute of General Physiology
Identifying activated vs. resting, helped vs. unhelped antigen-specific CD8 memory cells in healthy and HIV-infected individuals	P. V. Lehmann, Cleveland/USA	03/07/2006	GRK 1041
Recent advances in cardiac CT - Implications for research and clinical practice	U. Hoffmann, Boston/USA	02/23/2006	SFB 451
Understanding the switch from proliferative to terminally differentiated cardiomyocytes towards myocardial regeneration	M. Hesse, Calgary/Canada	02/20/2006	SFB 451
Electrostatic interactions in biological systems	R. Winkler, Jülich/Germany	02/07/2006	SFB 569
Diagnostic DNA microarrays for rapid identification of microbial pathogens and their antibiotic resistance	T. Bachmann, Stuttgart/Germany	02/06/2006	Institute of Medical Microbiology and Hygiene
Diabetes and Cardiovascular Disease: The Clock is Ticking	P. Grant, Leeds/UK	02/02/2006	SFB 451
Two Steps to Propagate Mesenchymal Stem Cells for Clinical Applications	D. Strunk, Graz/Austria	01/25/2006	Institute of Transfusion Medicine
Blood Monocytes Mimic Endothelial Progenitor Cells	E. Rohde, Graz/Austria	01/25/2006	Institute of Transfusion Medicine

Publications of Graduates

Aleksic, Milos:

Walcher D, **Aleksic M**, Jerg V, Hombach V, Zieske A, Homma S, Strong J, Marx N (2004): C-peptide induces chemotaxis of human CD4-positive cells: involvement of pertussis toxin-sensitive G-proteins and phosphoinositide 3-kinase, *Diabetes* 53, 1664-70.

Marx N, Walcher D, Raichle C, **Aleksic M**, Bach H, Grüb M, Hombach V, Libby P, Zieske A, Homma S, Strong J (2004): C-peptide colocalizes with macrophages in early arteriosclerotic lesions of diabetic subjects and induces monocyte chemotaxis in vitro, *Arterioscler Thromb Vasc Biol* 24, 540-5.

Azoitei, Anca:

Nieva C, Spindler-Barth M, **Azoitei A**, Spindler K-D (2007): Influence of hormone on intracellular localization of the *Drosophila melanogaster* ecdysteroid receptor (EcR), *Cell Signal* 19, 2582-2587.

Betanska, Katarzyna:

Gwozdz T, Dutko-Gwozdz J, Nieva C, **Betanska K**, Orłowski M, Kowalska A, Dobrucki J, Spindler-Barth M, Spindler K-D, Ozyhar A (2007): EcR and Usp, components of the ecdysteroid nuclear receptor complex, exhibit differential distribution of molecular determinants directing subcellular trafficking, *Cell Signal* 19, 490-503.

Betanska K, Nieva C, Spindler-Barth M, Spindler K-D (2007) Nucleocytoplasmic shuttling of the ecdysteroid receptor (EcR) and of ultraspiracle (Usp) from *Drosophila melanogaster* in mammalian cells: Energy requirement and interaction with exportin, *Arch Insect Biochem Physiol* 65, 134-142.

Gwozdz T, Dutko-Gwozdz J, Nieva C, **Betanska K**, Orłowski M, Kowalska A, Dobrucki J, Spindler-Barth M, Spindler K-D, Ozyhar A (2007): EcR and Usp, components of the ecdysteroid nuclear receptor complex, exhibit differential distribution of molecular determinants directing subcellular trafficking, *Cell Signal* 19, 490-503.

Betanska K, Nieva C, Spindler-Barth M, Spindler K-D (2007): Nucleocytoplasmic shuttling of the ecdysteroid receptor (EcR) and of ultraspiracle (Usp) from *Drosophila melanogaster* in mammalian cells: Energy requirement and interaction with exportin, *Arch Insect Biochem Physiol* 65, 134-142.

Spindler K-D, **Betanska K**, Ozyhar A, Spindler-Barth M. Intracellular localization of the ecdysteroid receptor. (Review In press).

Jesse, Sarah:

Jesse S, Koenig A, Ellenrieder V, Menke A (2009): Lef-1 isoforms regulate different target genes and reduce cellular adhesion, *Int J Cancer*, August 3, [Epub ahead of print].

Khuseyinova, Natalie:

Kolz M, Baumert J, Mueller M, **Khuseyinova N**, Klopp N, Thorand B, Meisinger C, Herder C, Koenig W, Illig T (2008): Association between variations in the TLR4 gene and incident type 2 diabetes is modified by the ratio of total cholesterol to HDL-cholesterol, *BMC Med Genet* 9, 9.

Khuseyinova N, Greven S, Ruckerl R, Trischler G, Loewel H, Peters A, Koenig W (2008): Variability of serial lipoprotein-associated phospholipase A2 measurements in post myocardial infarction patients: results from the AIRGENE Study Center Augsburg, *Clin Chem* 54, 124-30.

Khuseyinova N and Koenig W (2007): Predicting the risk of cardiovascular disease: where does lipoprotein-associated phospholipase A(2) fit in?, *Mol Diagn Ther* 11, 203-17.

Koenig W and **Khuseyinova N** (2007): Biomarkers of atherosclerotic plaque instability and rupture, *Arterioscler Thromb Vasc Biol* 27, 15-26.

Khuseyinova N, Koenig W (2006): Biomarkers of outcome from cardiovascular disease. *Curr Opin Crit Care* 12, 412-9.

Khuseyinova N, Koenig W (2006): Apolipoprotein A-I and risk for cardiovascular diseases, *Curr Atheroscler Rep* 8, 365-73.

Khuseyinova N, Imhof A, Rothenbacher D, Trischler G, Kuelb S, Scharnagl H, Maerz W, Brenner H, Koenig W (2005): Association between Lp-PLA2 and coronary artery disease: focus on its relationship with lipoproteins and markers of inflammation and hemostasis, *Atherosclerosis* 182, 181-8.

Lebedev, Anton:

Lebedev A, Scharffetter-Kochanek K, Iben S: Truncated Cockayne syndrome B protein represses RNA polymerase I transcription, *J Mol Biol* 382, 266-274.

Lutomska A, **Lebedev A, Scharffetter-Kochanek K, Iben S** (2008): The transcriptional response to distinct growth factors is impaired in Werner syndrome cell, *Experimental Gerontology* 43, 820-826

Pustylnyak VO, **Lebedev A, Gulyaeva LF, Lyakhovich VV, Slyuko NM** (2007): Comparative study of CYP2B induction in the liver of rats and mice by different compounds, *Life Sci.*, 80, 324-8.

Lulé, Dorothée:

Lule D, Kurt A, Jürgens R, Kassubek J, Diekmann V, Kraft E, Neumann N, Ludolph AC, Birbaumer N, Anders S (2005): Emotional responding in amyotrophic lateral sclerosis, *J Neurol* 252, 1517-24.

Lule D, Diekmann V, Kassubek J, Kurt A, Birbaumer N, Ludolph AC, Kraft E (2007): Cortical Plasticity in Amyotrophic Lateral Sclerosis: Motor Imagery and Function, *Neurorehabil Neural Repair* 21, 518-26.

Lule D, Diekmann V, Anders S, Kassubek J, Kubler A, Ludolph AC, Birbaumer N (2007): Brain responses to emotional stimuli in patients with amyotrophic lateral sclerosis (ALS), *J Neurol* 25, 519-27.

Lule D, Ludolph AC, Ludolph AG (2008): Neurodevelopmental and neurodegenerative diseases - Is there a pathophysiological link? Attention-deficit/hyperactivity disorder and amyotrophic lateral sclerosis as examples, *Med Hypotheses* 70, 1133-8.

Lulé D, Häcker S, Ludolph AC, Birbaumer N, Kübler A (2008): Depression und Lebensqualität bei Patienten mit amyotropher Lateralsklerose, *Deutsches Ärzteblatt* 105, 397-403.

Lulé D, Ludolph AC, Kassubek J (2008): MRI-based functional neuroimaging in ALS: an update, *Amyotrophic Lateral Sclerosis* 26,1-12

Anders S, Weiskopf N, **Lulé D, Birbaumer N** (2004): Infrared oculography-validation of a new method to monitor startle eyeblink amplitudes during fMRI, *Neuroimage* 22, 767-70.

Kassubek J, Unrath A, Huppertz HJ, **Lule D, Ethofer T, Sperfeld AD, Ludolph AC** (2005): Global brain atrophy and corticospinal tract alterations in ALS, as investigated by voxel-based morphometry of 3-D MRI, *Amyotroph Lateral Scler Other Motor Neuron Disord* 6, 13-20.

Mangold, Stefanie:

Seitz DH, Perl M, **Mangold S, Neddermann A, Braunmüller ST, Zhou S, Bachem MG, Huber-Lang MS, Knöferl MW** (2008): Pulmonary contusion induces alveolar type 2 epithelial cell apoptosis: role of alveolar macrophages and neutrophils, *Shock* 30, 537-44.

Rathmann, Silvia:

Rathmann S, Rajasalu T, Rosinger S, Schlosser M, Eiermann T, Boehm BO, Durinovic-Belló I (2004): Preproinsulin-specific CD8+ T cells secrete IFN γ in human type 1 diabetes, *Ann N Y Acad Sci* 1037, 22-5.

Retlich, Michael:

Walliser C*, **Retlich M***, Harris R, Everett KL, Josephs MB, Vatter P, Esposito D, Driscoll PC, Katan M, Gierschik P, Bunney TD (2008): RAC regulates its effector phospholipase C gamma 2 through interaction with a split ph domain, *JBC* 283, 30351-30362

* equal contribution

Sander, Marie-Sandrine:

Sander S, Bullinger L, Karlsson A, Giuriato S, Hernandez-Boussard T, Felsher D, Pollack J (2005): Comparative genomic hybridization on mouse cDNA microarrays and its application to a murine lymphoma model, *Oncogene*, 24, 6101-7.

Rucker FG, **Sander S**, Dohner K, Dohner H, Pollack JR, Bullinger L (2006): Molecular profiling reveals myeloid leukemia cell lines to be faithful model systems characterized by distinct genomic aberrations *Leukemia*, 20, 994-1001.

Bullinger L, Rucker FG, Kurz S, Du J, Scholl C, **Sander S**, Corbacioglu A, Lottaz C, Krauter J, Fröhling S, Ganser A, Schlenk RF, Döhner K, Pollack JR, Döhner H (2007): Gene-expression profiling identifies distinct subclasses of core binding factor acute myeloid leukaemia, *Blood*, 110, 1291-300.

Stilgenbauer S, **Sander S**, Bullinger L, Benner A, Leupolt E, Winkler D, Kröber A, Kienle D, Lichter P, Döhner H (2007): Clonal evolution in chronic lymphocytic leukemia: acquisition of high-risk genomic aberrations associated with unmutated VH, resistance to therapy, and short survival, *Haematologica*, 92,1242-5.

Sander S, Bullinger L, Leupolt E, Benner A, Kienle D, Katzenberger T, Kalla J, Ott G, Müller-Hermelink HK, Barth TF, Möller P, Lichter P, Döhner H, Stilgenbauer S (2008): Genomic aberrations in mantle cell lymphoma detected by interphase fluorescence in situ hybridization. Incidence and clinicopathological correlations, *Haematologica*, 93, 680-7.

Katzenberger T, Kienle D, Stilgenbauer S, Höller S, Schilling C, Mäder U, Puppe B, Petzoldt C, **Sander S**, Bullinger L, Stöcklein H, Kalla J, Hartmann E, Adam P, Ott MM, Müller-Hermelink HK, Rosenwald A, Ott G (2008): Delineation of distinct tumour profiles in mantle cell lymphoma by detailed cytogenetic, interphase genetic and morphological analysis, *Br J Haematol*, 142, 538-50.

Sander S, Bullinger L, Klapproth K, Fiedler K, Kestler H, Barth T, Möller P, Stilgenbauer S, Pollack J, Wirth T (2008): MYC stimulates EZH2 expression by repression of its negative regulator miR-26a, *Blood* 112, 4202-4012

Klapproth K, **Sander S**, Marinkovic D, Wirth T (2009): The IKK2/NFκB-pathway suppresses MYC-induced lymphomagenesis, *Blood*, in press.

Spyrantis, Andreas:

Karges W, Rajasalu T, **Spyrantis A**, Wieland A, Boehm BO, Schirmbeck R (2007): The diabetogenic, insulin-specific CD8 T cell response primed in the experimental autoimmune diabetes model in RIP-B7.1 mice, *Eur J Immunol* 37, 2097-103.

Rajasalu T, Barth C, **Spyrantis A**, Durinovic-Belló I, Uibo R, Schirmbeck R, Boehm BO, Karges W (2004): Experimental autoimmune diabetes: a new tool to study mechanisms and consequences of insulin-specific autoimmunity, *Ann NY Acad Sci*. 1037, 208-15.

Tata, Nageswara R.:

Luche H, Weber O, **Tata NR**, Blum C and Fehling HJ (2007): Faithful activation of an extra-bright red fluorescent protein in "knock-in" Cre-reporter mice ideally suited for lineage tracing studies, *Eur J Immunol* 37, 43-53.

Von Blume, Julia:

von Wichert G, Edenfeld T, **von Blume J**, Krisp H, Krndija D, Schmid H, Oswald F, Lothar U, Walther P, Adler G, Seufferlein T (2008): Protein kinase D2 regulates chromogranin A secretion in human BON neuroendocrine tumour cells, *Cell Signal* 20, 925-34.

von Blume J, Knippschild U, Dequiedt F, Giamas G, Beck A, Auer A, Van Lint J, Adler G, Seufferlein T (2007): Phosphorylation at Ser244 by CK1 determines nuclear localization and substrate targeting of PKD2, *EMBO J* 26, 4619-33.

Dequiedt F, Martin M, **von Blume J**, Vertommen D, Lecomte E, Mari N, Heinen MF, Bachmann M, Twizere JC, Huang MC, Rider MH, Piwnicka-Worms H, Seufferlein T, Kettmann R (2006): New role for hPar-1 kinases EMK and C-TAK1 in regulating localization and activity of class IIa histone deacetylases, *Mol Cell Biol* 26, 7086-102.

Auer A, **von Blume J**, Sturany S, von Wichert G, Van Lint J, Vandenheede J, Adler G, Seufferlein T, (2005), Role of the regulatory domain of protein kinase D2 in phorbol ester binding, catalytic activity, and nucleocytoplasmic shuttling, *Mol Biol Cell* 16, 4375-85.

Wawra, Christian:

Kestler HA, **Wawra C**, Kühl M (2008): Network modelling of signal transduction: establishing the global view, *BioEssays* 30, 1110-1125.

Wawra C, Kühl M, Kestler HA (2007): Extended analyses of the Wnt/beta-catenin pathway: Robustness and oscillatory behaviour, *FEBS Letters* 581, 4043-4048.

Wawra C, Kühl M, Kestler HA (2009): Boolean networks for modelling gene regulation. In W. Arendt and W.P. Schleich, editors, *Mathematical Analysis of Evaluation, Information and Complexity*. 157- 179, Wiley-VCH., Berlin.

List of Abbreviations:

GSC 270	International Graduate School in Molecular Medicine Ulm
GRK 1041	Research Training Group 1041: Molecular Diabetology and Endocrinology in Medicine
KFO	Clinical Research Unit
SFB	Collaborative Research Centre