



ANATOMISCHE GESELLSCHAFT



AnatGes2007

102nd Annual Meeting of the Anatomische Gesellschaft

Friday, 30th March to Monday, 2nd April 2007

JUSTUS-LIEBIG-



**UNIVERSITÄT
GIESSEN**

**400 Jahre
UNIVERSITÄT GIESSEN**
1607-2007

**FACHBEREICH
MEDIZIN**



AnatGes2007
Programme of the
102nd Annual Meeting
In cooperation with the SFB 547
Cardiopulmonary Vascular System
March 30 – April 2, 2007 Gießen, Germany

Main Topic I:
Cellular Regulation by Oxygen and ROS

Main Topic II:
Biology and Pathology of Cell Compartments

SFB 547 – International Symposium – March 30, 2007
Vascular Signalling Mechanisms in the Cardiopulmonary System

Satellite Symposium - The Temporomandibular Joint
Kiefergelenksymposium – March 30, 2007

EFEM Honorary Lecture – April 1, 2007
5:30 p.m., Great Lecture Hall

Meeting Place:
Justus Liebig University of Giessen
Institute for Anatomy and Cell Biology
Lecture Hall Building, Aulweg 121, D - 35385 Gießen

AnatGes2007 Opening Ceremony
6 p.m. on Friday – March 30, 2007
Great Lecture Hall LH1

Welcome Reception and Get Together

AnatGes2007 Business Meeting
6 p.m. on Saturday – March 31, 2007
Great Lecture Hall

AnatGes2007 Congress Dinner
Castle Rauschholzhausen
8 p.m. on Sunday – April 1, 2007

Front Cover: Old Castle of Gießen, Logos of the Medical Faculty and the JLU Gleßen

SFB 547 Cardiopulmonary Vascular System**08:30 – 17:00****Vascular Signalling Mechanisms in the Cardiopulmonary System
In Conjunction with the AnatGes2007 Meeting**

08:30 **Seeger W, Giessen**
 Welcome Address

Session I: Peptides and Inflammation 08:45 – 10:30
Chair: Wenger RH, Zurich (CH), Braun T, Bad Nauheim

- 08:45 S1 **Müller-Esterl W, Frankfurt**
 Title will be announced at the AnatGes2007 Meeting
- 09:15 S2 **Müller D, Middendorff R, Giessen**
 CNP/GC-B signalling elicits sensitization of the atrial natriuretic peptide (ANP) receptor, guanylyl cyclase-A
- 09:45 S3 **Hackstein H, Giessen**
 Modulation of dendritic cells with Sanglifehrin A
- 10:00 S4 **Mayer K, Giessen**
 Modulation of leukocyte invasion in acute lung injury by n-3 fatty acids and platelet-activating factor
- 10:15 S5 **Lohmeyer J, Giessen**
 Transmigration of monocytes and expansion of alveolar macrophage populations
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10:30 - 11:00 Coffee Break

Session II: Intra- and extracellular RNA 11.00 - 12:30
Chair: Müller-Esterl W, Frankfurt/M, Schmitz L, Giessen

- 11:00 S6 **Wenger RH, Zurich (Switzerland)**
 Regulation and targets of the PHD oxygen sensors
- 11:30 S7 **Hänze J, Giessen**
 Cellular studies on the interaction between HIF and Nox
- 11:45 S8 **Voswinckel R, Giessen**
 Role of the pulmonary HIF-2 α /VEGF system in pulmonary angiogenesis and alveolarization
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SFB 547 Cardiopulmonary Vascular System**08:30 – 17:00****Vascular Signalling Mechanisms in the Cardiopulmonary System
In Conjunction with the AnatGes2007 Meeting**

		Fischer S, Gerriets T, Walberer M, Stolz E, Zheleva K, Wessels C, Kostin S, Preissner KT, Giessen, Bad Nauheim
12:00	S9	Induction of endothelial cell hyperpermeability by extracellular RNA
12:15	S10	Rentala S, Uslu Ö, Muhl L, Preissner KT, Kanse SM, Giessen Factor VII activating protease inhibits vascular endothelial growth factor-mediated progenitor cell homing and differentiation into endothelial cells

12:30 - 14:00 Lunch**Session III: Remodelling** **14:00 - 15:30**
Chair: Duchen M, London (UK), Seeger W, Giessen

		Schmitz L, Giessen
14:00	S11	Mechanisms and consequences of hypoxia-induced ubiquitination and degradation of the cell cycle regulatory protein kinase HIPK2
14:30	S12	Braun T, Bad Nauheim The expression of BMP-10 in the adult heart indicates a role in cardiac remodeling and repair
14:45	S13	Eickelberg O, Giessen BMP and TGF-beta signalling in pulmonary vascular remodelling: A story revisited
15:00	S14	Schermuly R, Grimminger F, Giessen Tyrosine kinase inhibition in pulmonary vascular disease
15:15	S15	Ghofrani A, Braun T, Bad Nauheim Phosphodiesterase-5 inhibition in the treatment of chronic thromboembolic pulmonary hypertension

15:30 - 15:45 Coffee Break

SFB 547 Cardiopulmonary Vascular System

08:30 – 17:00

**Vascular Signalling Mechanisms in the Cardiopulmonary System
In Conjunction with the AnatGes2007 Meeting**

Session IV: ROS and Reperfusion **15:45 - 17:00**
Chair: Schlüter KD, Giessen, Tillmanns H, Giessen

15:45	S16	Duchen M, London (UK) Three distinct mechanisms generate ROS in neurons and contribute to cell death during hypoxia and reperfusion
16:15	S17	Sommer N, Schermuly RT, Ghofrani HA, Seeger W, Grimminger F, Weissmann N, Giessen Redox state of mitochondrial cytochromes in isolated lungs and pulmonary arterial smooth muscle cells during acute and prolonged hypoxia
16:30	S18	Noll T, Giessen Protection mechanisms of endothelial cells against ischemia-reperfusion injury
16:45	S19	Grimminger F, Ghofrani A, Giessen Characterization of the pulmonary ischemia-reperfusion syndrome and strategies to therapeutic intervention

AnatGes2007 102nd Annual Meeting of the Anatomische Gesellschaft

18:00 – 20:00 Opening Ceremony **Great Lecture Hall**

20:00 Get Together in the Lecture Hall Building

Satellite Symposium “The Temporomandibular Joint” 08:30 – 17:00
Kiefergelenksymposium (KGS) - Lectures in German
In Conjunction with the AnatGes2007 Meeting

Sitzung 1: **8:30 – 10:20**
Vorsitz: Schumacher GH, Rostock, Metelmann HR, Greifswald

08:30		Fanghänel J, Gedrange T, Korf HW, Meyer G, Frank M, Frankfurt, Greifswald Eröffnung und Grußworte
08:50	K1	Fanghänel J, Gedrange T, Greifswald Einführung in die Thematik. Das Kiefergelenk im Lichte des orofazialen Systems
09:10	K2	Meyer G, Greifswald Klinische Aspekte der Kiefergelenksdiagnostik und Therapie
09:40	K3	Breul R, München Anmerkungen zu unserem Kiefergelenk – eine anatomische Betrachtung
10:00	K4	Freesmeyer W, Berlin Das Kiefergelenk - Logik und Mystik

10:20 - 10:45 Diskussion Sitzung 1 und Pause

Sitzung 2: **10:45 – 12.30**
Vorsitz: Kühnel W, Lübeck, Lotzmann U, Marburg

10:45	K5	Prescher A, Aachen Morphologische Varianten am Kiefergelenk und seiner Umgebung
11:00	K6	Hützen D, Bernhardt O, Biffar R, Schwahn C, Kordaß B, Greifswald Okklusale Kontaktmuster bevölkerungsrepräsentativ – Ergebnisse der Study of Health in Pommerania (SHIP 1)

Satellite Symposium “The Temporomandibular Joint” 08:30 – 17:00**Kiefergelenksymposium (KGS) - Lectures in German
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		Kopp S, Frankfurt
11:15	K7	Interdisziplinäre Aspekte der Diagnostik und Therapie der kraniomandibulären Dysfunktion
11:30	K8	Reich RH, Bonn Umsetzung anatomischer Konzepte in der funktionellen Kiefergelenkschirurgie
11:50	K9	Jäger A, Deschner J, Rath-Deschner B, Bourauel C, Reimann S, Götz W, Jepsen S, Bonn Regulative Effekte von biomechanischen Kräften auf den Diskus des Kiefergelenks der Ratte
12:10	K10	Schöbel S, Kaduk W, Greifswald Die Rolle eines chirurgischen Navigationssystems zur Lokalisation anatomischer Kiefergelenkstrukturen bei der Arthroskopie

12:20 – 12:30 Diskussion Sitzung 2**12:30- 14:00 Mittagspause und Posterddemonstration KGS P1-P12**

Posterauflistung: siehe am Ende des Programmhefts

Sitzung 3: **14:00 – 16:00****Vorsitz: Putz R, München, Howaldt HP, Gießen**

		Ruf S, Gießen
14:00	K11	Reaktion des Kiefergelenkes auf funktionskieferorthopädische Behandlung
14:20	K12	Kubein-Meisenburg D, Thieme KM, Ihlow D, Lotzmann U, Hahn W, Thieme KM, Nägerl H, Göttingen, Greifswald, Lübeck Funktionszustände der Mandibula und Roll-Gleitverhalten im Kiefergelenk

Satellite Symposium “The Temporomandibular Joint” 08:30 – 17:00

**Kiefergelenksymposium (KGS) - Lectures in German
In Conjunction with the AnatGes2007 Meeting**

		<i>Thieme KM, Kubein-Meessenburg D, Ihlow D, Sadat-Khonsari R, Moldovan O, Nägerl H, Göttingen, Lübeck</i>
14:40	K13	Die mandibuläre fixierte Schanierachse – Untersuchungen von Patienten mit gesunden und kranken Kiefergelenken
14:50	K14	<i>Sadat-Khonsari R, Hahn W, Knösel M, Thieme KM, Nägerl H, Kubein-Meessenburg D, Göttingen</i> Dimere Gelenkkette und momentane Drehzentren der Mandibula
15:00	K15	<i>Ihlow D, Kubein-Meessenburg D, Fanghänel J, Bernitt K, Hahn W, Dathe H, Sadat-Khonsari R, Thieme KM, Nägerl H, Lübeck, Göttingen, Greifswald</i> Biomechanische Aspekte des Unterkieferwachstums
15:10	K16	<i>Zech S, Fricke J, Fanghänel J, Dathe D, Ihlow D, Thieme D, Kubein-Meessenburg D, Nägerl H, Göttingen, Hildesheim, Greifswald</i> Morphologische Strukturen und protrusive kraniale Grenzführung des Kiefergelenks von Cercopithecus mona
15:20	K17	<i>Ihlow D, Kubein-Meessenburg D, Fanghänel J, Thieme KM, Hahn W, Dathe H, Zech S, Nägerl H, Lübeck, Göttingen, Greifswald</i> Aspekte zur Morphologie und Führung des menschlichen Kiefergelenks
15:30	K18	<i>Kubein-Meessenburg D, Thieme KM, Dumont C, Ihlow D, Nägerl H, Göttingen, Lübeck</i> Die Bewegungsstruktur der Mandibula und die Anordnung der Nackenwirbel

15:40 – 16:00 Diskussion Sitzung 3 und Pause

Satellite Symposium “The Temporomandibular Joint” 08:30 – 17:00

**Kiefergelenksymposium (KGS) – Lectures in German
In Conjunction with the AnatGes2007 Meeting**

Session 4: 16:00 – 16:50
Vorsitz: Paulsen F, Halle/Saale, Wichelhaus A, Basel (Switzerland)

16:00 K19 **Kordaß B, Lucas C, Zimmermann C, Langner S,**

Domin M, Hosten N, Greifswald

Darstellung der Aktivierung des Kauzentrums bei
Kaufunktion und Schienenokklusion mittels fMRT

16:20 K20 **Götz W, Appel TR, Dühr S, Rath-Deschner B, Reich**
RH, Jäger A, Bonn

Das Insulin-like Growth Factor-System in der Biologie und
Pathologie des Kiefergelenks

16:30 K21 **Linß W, Möller K, Jena**
Zur Morphologie des menschlichen Kiefergelenkes in der
Fetalperiode

16:40 Diskussion Sitzung 4

16:50 **Gedrange T, Greifswald**
Schlussworte und Danksagung

AnatGes2007 102nd Annual Meeting of the Anatomische Gesellschaft

18:00 – 20:00 Opening Ceremony Great Lecture Hall

20:00 Get Together in the Lecture Hall Building

AnatGes2007 102nd Annual Meeting of the Anatomische Gesellschaft

18:00 – 20:00 Opening Ceremony

The opening ceremony will be framed by music.

Words of Welcome – President of the Anatomische Gesellschaft

Prof. Dr. med. Horst-Werner Korf, Frankfurt/M

Welcome Addresses

Ursula Weigl-Greilich, Mayor of Giessen

Prof. Dr. rer. nat. Karl-Heinz Kogel, Vice-President of the JLU Giessen

Prof. Dr. med. Wolfgang Weidner, Dean of Medical Faculty, JLU Giessen

Opening Lecture – President of the Anatomische Gesellschaft

Prof. Dr. med. Horst-Werner Korf, Frankfurt/M

Bargmann Prize Awards

Lecture(s) of Laureate(s)

20:00 Get Together in the Lecture Hall Building

Food will be served in the Course Room near the Great Lecture Hall

AnatGes2007 Main Topic 1**08:30- 17:35****Cellular Regulation by Oxygen and Reactive Oxygen Species
In Conjunction with the SFB 547****Main Topic 1 Session I** **08:30 – 10:30**
Chair: Wolfgang Kummer, Giessen

08:30	1	Bhattacharya J, New York (USA) Real-time lung microscopy
09:15	2	Weissmann N, Giessen Mechanisms of pulmonary hypoxic vasoconstriction
		Paddenberg R, Faulhammer P, Goldenberg A, Pfeil U, Piruat JI, López-Barneo J, Weissmann N, Kummer W, Giessen
09:45	3	Hypoxic pulmonary vasoconstriction of intra-acinar pulmonary arteries in murine precision-cut lung slices depends on complex II of the mitochondrial respiratory chain
10:00	4	Mühlfeld C, Rümelin R, Mackay R, Knudsen L, Richter J, Fossati-Jimack L, Botto M, Clark H, Ochs M, Bern (Switzerland) Effect of bone marrow transplantation on the phenotype of SP-D deficient mice
10:15	5	Schermuly RT, Giessen Phosphodiesterase 1 upregulation in pulmonary arterial hypertension - Target for reverse-remodelling therapy

10:30 - 11:00 Coffee Break**Main Topic 1 Session II** **11:00– 12:50**
Chair: Süleyman Ergün, Essen

11:00	6	Nurse C, Hamilton (Ontario, Canada) Oxygen and low-glucose signalling in the carotid body
11:30	7	Pfeil U, Kuncova J, Brüggmann D, Paddenberg R, Rafiq A, Schlüter KD, Mewe M, Middendorff R, Slavikova J, Kummer W, Giessen and Pilsen (Czech Republic) Dopamine is an endothelium-derived vasodilator in hypoxic vessels

AnatGes2007 Main Topic 1**08:30- 17:35****Cellular Regulation by Oxygen and Reactive Oxygen Species
In Conjunction with the SFB 547**

		<i>De Proost I, Pintelon I, Brouns I, Riccardi D, Kemp PJ, Timmermans JP, Adriaensen D, Antwerp (Belgium)</i>
11:50	8	Direct visualisation of the effects of acute hypoxia, hyperoxia, hypercapnia and hypoxic hypercapnia on the activation of pulmonary neuroepithelial bodies (NEBs) in an <i>in situ</i> lung slice model
		<i>Sedding D, Giessen</i>
12:05	9	Modulation of FOXO transcription factors by the SRIT1 deacetylase attenuates oxidative stress-induced smooth muscle cell apoptosis
		<i>Schreckenberg R, Schlüter KD, Giessen</i>
12:20	10	The influence of pre- and post-conditioning to receptor coupling in the post-ischemic heart
		<i>Renner R, Brixius K, Scharffetter-Kochanek K, Werner S, Kümin A, Bloch W, Köln</i>
12:35	11	Free radicals and oxidative stress – Regulation of peroxiredoxin isoforms in the heart of mice with decreased MnSOD protein expression and wild-type mice with and without physical training

Poster Session I and Lunch Break**12:50 - 15:30****Posters 1 - 77 (MT I 1-9, N 1-41, R 1-18, I 1-9)****Main Topic 1 Session III****15:30– 17:35*****Chair: Jean-Pierre Timmermans, Antwerp***

15:30	12	<i>Acker T, Frankfurt</i> The dual role of hypoxia induced mechanisms in tumor growth
16:00	13	<i>Bachmann S, Berlin</i> Functional anatomy of oxygen-regulated gene expression, kidney and liver
16:30	14	<i>Seifert A, Katschinski DM, Stiehl DP, Navarrete Santos A, Fischer B, Halle</i> Role of PHD2 in the interference of aryl hydrocarbon receptor (AhR) and hypoxia-inducible factor-1alpha (HIF-1alpha) signalling

AnatGes2007 Main Topic 1**08:30- 17:35**

**Cellular Regulation by Oxygen and Reactive Oxygen Species
In Conjunction with the SFB 547**

16:50	15	Kwapiszewska G, Fink L, Giessen The role of trkB in hypoxia induced vascular remodelling processes
17:05	16	Immenschuh S, Giessen Signaling to the anti-oxidant gene heme oxygenase-1 as a therapeutic agent
17:20	17	Wruck CJ, Götz ME, Herdegen T, Varoga D, Pufe T, Hannover Kavalactones protects PC12 cells against amyloid peptide (1–42)-induced neurotoxicity via an ERK1/2-dependent Nrf2-activation

AnatGes2007 102nd Annual Meeting of the Anatomische Gesellschaft

18:00 Anatomische Gesellschaft - Business Meeting

AnatGes2007 Workshops**15:30 - 17:30****Immunobiology****Chair: Reinhard Pabst, Hannover**

15:30	18	Mikulski Z, Hartmann P, Lips KS, Biallas S, Pfeil U, Grando SA, Grau V, Kummer W Giessen and Sacramento (CA, USA) Nicotinic receptors on rat alveolar macrophages dampen ATP-induced increase in cytosolic calcium concentration
15:45	19	Bräuer L, Kindler C, Jäger K, Sel S, Paulsen F, Halle Detection of the surfactant proteins A and D in the human eye and lacrimal system
16:00	20	Wagner F, Lužná P, Marecková J, Kyiarová D, Erdösová B, Lichnovský V, Olomouc (Czech Republic) Cytological characteristics of haematopoiesis in human prenatal thymus
16:15	21	Prenzler NK, Macke C, Brabant G, Nave H, Hannover Body weight dependent effects of ghrelin in a rat model of acute endotoxemia

Reproductive Biology / Zeiss Microscopic Techniques**Chair: Katharina Spanel-Borowski, Leipzig**

16:30	22	Bhushan S, Tchatalbachev S, Klug J, Chakraborty T, Pineau C, Meinhardt A, Giessen Uropathogenic E.coli but not commensale E.coli infection activates TLR-4 MyD independent signaling pathways in rat testicular cells
16:45	23	Fink C, Hembes T, Lauke H, Bergmann M, Brehm R, Giessen Expression of ZO-1, ZO-2 and ZO-3 in human testis with normal spermatogenesis and carcinoma in-situ (CIS)
17:00- 17:30	24	Wächter M, Göttingen Zeiss Microimaging Lecture LSM techniques and high-speed cell observer

18:00 Anatomische Gesellschaft - Business Meeting, Great Lecture Hall

AnatGes2007 Main Topic 2**08:00- 17:15****Biology and Pathology of Cell Compartments**

Session I:	Nucleus, Cytoskeleton (NC1-NC6)	08:00 - 10:45
	<i>Chair: Eveline Baumgart-Vogt, Giessen</i>	

08:00	25	Claus P, Hannover Odyssee in the nucleus: Discovering nuclear substructures
08:30	26	Görlich D, Heidelberg The permeability barrier of nuclear pore complexes
09:00	27	Lenart P, Vienna (Austria) Actin filaments and microtubules cooperate to prevent chromosome loss in starfish oocytes
09:30	28	Endlich K, Greifswald Actin, actin-associated proteins and their role in podocytes
10:00	29	Leube R, Mainz Intermediate filaments: dynamic stabilizers of the cytoskeleton
10:30	30	Theiss C, Meller K, Bochum Dendritic cytoskeletal dynamics of developing rat Purkinje cells

10:45 - 11:15 Coffee Break

Session II:	Mitochondria (Mi1-Mi4)	11.15 - 13:00
	<i>Chair: Elke Winterhager, Essen</i>	

11:15	31	Rehling K, Freiburg Mitochondrial protein import and assembly
11:45	32	Schapira A, London (UK) Mitochondrial dysfunction in neurodegenerative diseases
12:15	33	Arnold S, Wright de Araujo G, Singh S, Beyer C, Aachen The impact of estrogen on morphology and function of astrocyte mitochondria

AnatGes2007 Main Topic 2**08:00- 17:15****Biology and Pathology of Cell Compartments**

12:30	34	Schrader M, Aveiro (Portugal) Dynamics and division of mitochondria and peroxisomes in mammalian cells
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Poster Session 2 and Lunch Break Poster 78 - 152 (MT II/CB1-31 D1-7 M1-37)	Exptl. Morph.13:00 – 15:00 Main Topic II 13:00 – 15:30
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Session III: Peroxisomes (P1-P4) <i>Chair : Eberhard Weihe, Marburg</i>	15:30 - 17:15
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15:30	35	Erdmann R, Bochum Protein import into peroxisomes
16:00	36	Crane D, Brisbane (Qld, Australia) PEX1 mutations and the peroxisome biogenesis disorders
16:30	37	Baumgart-Vogt E, Giessen PEX gene - knockout mice: Models to study the molecular pathogenesis of peroxisomal biogenesis disorders
17:00	38	Islinger M, Li K W, Loos M, Völkl A, Lüers GH, Heidelberg and Marburg Chaperone-mediated import of peroxisomal proteins lacking specific targeting signals

Poster Prizes	17:15 - 17:30
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EFEM Lecture	Chair: Giovanni Mazotti, Bologna (Italy) 17:30 - 18:30
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17:30	39	Hirokawa N, Tokyo (Japan) Intracellular transport and kinesin superfamily proteins, KIFs: Structure, dynamics, functions, and diseases
18:45		Bus Departure to Castle Rauischholzhausen
20:00		Congress Dinner at Castle Rauischholzhausen

AnatGes2007 Workshops	15:00 – 17:15
Exptl. Morphology / Macroscopic and Clinical Anatomy	15:00 – 16:30
(M1-M6)	Chair: Helga Fritsch, Innsbruck

15:00	40	Winkelmann A, Kiessling C, Hendrix S, Berlin Anatomical dissection improves students' spatial knowledge - First steps towards scientific evidence
15:15	41	Steinke H, Saito T, Spaniel-Borowski K, Leipzig Plastinated slices of the zonula fibers and the corpus vitreum after shrinkage reduction
15:30	42	Koppe T, Schöbel SL, Bärenklau M, Bruchhaus H, Jankauskas R, Kaduk WMH, Greifswald, Vilnius (Lithuania) Factors affecting the variation in the adult temporomandibular joint of archaeological human populations
15:45	43	Djedovic G, Neuwirt H, Richter E, Klocker H, Fritsch H, Oswald J, Innsbruck (Austria) Quantitative measurement of the androgen receptor in prepuces of boys with and without hypospadias
16:00	44	Shiozawa T, Reisenauer C, Oppitz M, Busch C, Kirschniak A, Fehm T, Wallwiener D, Drews U, Tuebingen The role of smooth muscle in the pathogenesis of pelvic organ prolapse – a morphometric and immunohistochemical analysis of the uterosacral ligament
16:15	45	Hesse B, Fröber R, Fischer MS, Schilling N, Jena Implications to back muscle function by the distribution of muscle fibre types

Developmental Biology (D1-D3)	16:30-17:15
Chair: Beate Brand-Saberi, Freiburg	

16:30	46	Püschel B, Männer J, Göttingen Normal gastrulation and neurulation of rabbit embryos during prolonged ex-utero culture in the extraembryonic coelom of chick embryos
16:45	47	Blumer MJF, Longato S, Schwarzer C, Fritsch H, Innsbruck (Austria) The development and function of cartilage canals in the mice femur

**AnatGes2007 Workshop
Developmental Biology (D1-D3)****16:30 – 17:15**

- 17:00 48 **Götz W, Sahin Ö, Cabot S, Degistirici Ö,
Siemonsmaier, Thie M, Jäger A, Bonn**
Multipotent progenitor cells from the apical human wisdom tooth
germ region
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Great Lecture Hall

- Poster Prizes** **17:15 - 17:30**

- EFEM Lecture** **17:30 - 18:30**

Chair: Giovanni Mazotti, Bologna (Italy)
President of the European Federation of Experimental Morphology

- 17:30 39 **Hirokawa N, Tokyo (Japan)**
Intracellular transport and kinesin superfamily proteins, KIFs:
Structure, dynamics, functions, and diseases
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- 18:45 **Bus Transfer to Castle Rauschholzhausen**
20:00 **Congress Dinner at Castle Rauschholzhausen**
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AnatGes2007 Main Topic 2**08:00- 17:15****Biology and Pathology of Cell Compartments**

Session IV: ER, lysosomes, vesicular traffic (Org1-6) **08:00- 10:45**
Chair: Hermann Koepsell, Würzburg

08:00	49	Rapoport T, Boston (MA, USA) A novel class of membrane proteins shapes the tubular endoplasmic reticulum
08:30	50	Saftig P, Kiel The LYSOSOME: more than a waste basket of the cell? Insights into lysosomal (patho) physiology from knockout mouse studies
09:00	51	Ochs M, Bern (Switzerland) Normal and disordered biogenesis of lamellar bodies, lysosome-related organelles in type II alveolar epithelial cells involved in surfactant storage and secretion
09:30	52	Gould S, Baltimore (MD, USA) Exosome biogenesis and retrovirus budding
10:00	53	Collinet C, Dresden Mechanisms of endocytosis and signalling revealed by functional genomics
10:30	54	Frangakis A, Heidelberg Cryo-electron tomography of cells and organelles

10:45 – 11:15 Coffee Break

Session V: Cell-type specific organelles (Org7–10) **11:15 – 13:00**
Chair: Michael Frotscher, Freiburg

11:15	55	Witzgall R, Regensburg Primary cilia – multiple roles of a re-discovered organelle in physiological and pathophysiological processes
11:45	56	Schultz C, Frankfurt The axon initial segment and its role in structural and functional compartmentalization of neurons
12:15	57	Böckers T, Ulm Molecular organization of the pre- and postsynaptic specialization

AnatGes2007 Main Topic 2**Session V: Cell-type specific organelles (Org7–10)****11:15 - 13:00****AnatGes2007 Workshop****14:00 - 17:45****Neuroanatomy/Neurobiology (N1 – N13)**

12:45	58	<i>Chai X, Zhao S, Bock HH, Frotscher M, Freiburg</i> Cofilin may play an important role in stopping migrating neurons in response to Reelin
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13:00 - 14:00 Lunch Break

Session I: **Neuroanatomy/Neurobiology (N1 – N7)** **14:00-15:45**
Chair: Winfried Neuhuber, Erlangen-Nürnberg

14:00	59	<i>Politi C, Tegeder I, Del Turco D, Deller T, Schultz C, Frankfurt/M</i> Accumulation of activated IKK and phosphorylated IkBa in nodes of Ranvier
14:15	60	<i>Li J, Habbes HW, Eiberger J, Willecke K, Dermietzel R, Meier C, Bonn</i> Analysis of connexin expression during mouse Schwann cell development: Connexin29 as a novel marker for the transition of neural crest to precursor cells
14:30	61	<i>Ceynowa M, Guntinas-Lichius O, Grosheva M, Streppe M, Angelova SK, Skouras E, Kiryakova S, Sinis N, Alvanou A, Angelov DN, Cologne</i> Morphological correlates of recovering vibrissal whisking after manual mechanical stimulation of denervated whiskerpad muscles
14:45	62	<i>Jastrow H, Gustavus BD, Bastelberger-Gustavus A, Mainz</i> First three-dimensional reconstruction of „synaptic bodies“ in cones, rods and bipolar cells of the human retina
15:00	63	<i>Pfeffer M, Korf HW, von Gall C, Frankfurt/M</i> The role of CLOCK and BMAL1 for photic induction of Per1 and Per2 mRNA in SCN and retina

AnatGes2007 Workshop **14:00 – 15:45**
Neuroanatomy/Neurobiology Session I (N1 – N7)

15:15	64	<i>von Gall C, Ansari N, Agathagelidis M, Korf HW, Frankfurt/M</i> The foetal mouse circadian system contains a central oscillator
15:30	65	<i>Yasuo S, Yoshimura T, Ebihara S, Korf HW, Nagoya, Frankfurt</i> Effects of melatonin injections on type 2 deiodinase mRNA levels in the mediobasal hypothalamus of male golden hamsters

15:45 - 16:15 Coffee Break

Session II:		Neuroanatomy/Neurobiology (N8-N13)	16:15 - 17:45
		<i>Chair: Gabriele Rune, Hamburg</i>	
16:15	66	<i>Eisele SR, Luft AR, Buitrago MM, Oppitz M, Drews U, Tübingen</i> Increased MAP Kinase activity in the hippocampus after targeted motor skill learning task in the rat	
16:30	67	<i>Leemhuis J, Schwan C, Henle F, Frotscher M, Herz J, Meyer DK, Bock HH, Freiburg</i> Reelin induces membrane motility in cortical neurons	
16:45	68	<i>von Bohlen und Halbach O, Legutko B, Jarosik J, Unsicker K, Heidelberg and Krakow (Poland)</i> Fibroblast-growth factor 2 (FGF-2) is a growth factor with antidepressive properties	
17:00	69	<i>Molikova R, Bezdickeva M, Wagner F, David O, Bebarova L, Olomouc (Czech Republic)</i> Detection of steroid receptors in the embryonal tissue and relationship with Huntington disease	
17:15	70	<i>Althaus J, Blondeau N, Rami A, Frankfurt/M and Valbonne (France)</i> Focal cerebral ischemia induces up-regulation of Beclin 1 and autophagy	
17:30	71	<i>Mahal T, Schäfer MKH, Hao JX, Xu XJ, Wiesenfeld- Hallin Z, Weihe E, Marburg</i> Innate immunity responses at the supraspinal level determine central neuropathic pain	

AnatGes2007 Workshop	14:00 - 17:45
Cell Biology (C1 - C13)	

Session I:	Cell Biology (C1 - C7)	14:00 - 15:45
	<i>Chair: Gerhard Aumüller, Marburg</i>	

14:00	72	Heupel WM, Drenckhahn D, Waschke J, Würzburg Steric hindrance of desmoglein 3 transinteraction is involved in pemphigus vulgaris but not in pemphigus foliaceus
14:15	73	Müller RD, John T, Oberholzer A, Ertel W, Schulze-Tanzil G, Berlin Modulation of TNF-α induced intrinsic apoptotic pathways in chondrocytes by IL-10
14:30	74	Seifarth C, Mobasher A, Shakibaei M, Munich and Nottingham (UK) IGF-I and TGF-β exert common anabolic effects on articular chondrocytes in vitro
14:45	75	Claassen H, Steffen R, Hassenpflug J, Varoga D, Wruck C, Pufe T, Halle, Kiel 17beta-estradiol reduces expression of MMP-1, -3 and -13 in human primary articular chondrocytes cultured in a three dimensional alginate system
15:00	76	Kipp M, Schrader R, Trotter A, Beyer C, Aachen Estrogen and progesterone are implicated in perinatal lung development
15:15	77	Lips K, Giessen Coexpression of the endogenous modulator SLURP1 with nicotinic acetylcholine receptor subunit alpha10 in mouse airway epithelium
15:30	78	Ricken A, Erdmann S, Hummitzsch K, Spanel-Borowski K, Leipzig The extracellular procathepsin D level increases in EA.hy 926 endothelial cells under cytokine treatment: a possible cause for endothelial cell dysfunction?

15:45 - 16:15 Coffee Break

**AnatGes2007 Workshop
Cell Biology (C1 - C13)****14:00 - 17:45****Session II: Cell Biology (C8 - C13) 16:15 - 17:45**
Chair: Rudolf Leube, Mainz

16:15	79	Singer BB, Kilic N, Oliveira-Ferrer L, Tilki D, Scheffrahn I, Ergün S, Essen Lymphangiogenic properties of the CEA-related cell adhesion molecule 1 (CEACAM1)
16:30	80	Irmak S, Tilki D, Oliveira-Ferrer L, Ergün S, Essen Urinary proteomics and the role of orosomucoid (ORM) in vascular endothelial cells and angiogenesis
16:45	81	Steingen C, Schmidt A, Bloch W, Cologne Extravasation of mesenchymal stem cells: Role of endothelial phenotype, VLA-4/VCAM-1 and cytokines
17:00	82	Schmidt A, Delhasse Y, Steingen C, Bloch W, Cologne Shock waves as the first non invasive way for inducing migration in mesenchymal stem cells
17:15	83	Oppitz M, Busch C, Eisele SR, Drews U, Tübingen Noggin ablates tumor formation and invasiveness of B16-F1 mouse melanoma cells transplanted into the eye cup of the chick embryo
17:30	84	Busch C, Oppitz M, Garbe C, Eisele SR, Drews U, Tübingen Noggin inhibits BMP-2 dependent migration of B16-F1 melanoma cells along neural crest pathways after transplantation into the chick embryo

Great Lecture Hall**17:45 Closing Session, Concluding Remarks**

Die Industrie- und wissenschaftliche Ausstellung findet im rechten Posterausstellungsraum A statt.

- PK 1 **Bienengräber V, Lenz S, Rumpel E, Fanghänel J, Henkel KO, Rostock, Greifswald, Hamburg**
Durch Silicagele stimulierte Regeneration mesenchymaler Strukturen – eine Möglichkeit zum Ersatz artikulärer Gewebsdefekte
- PK2 **Eulert S, Proff P, Blens T, Gedrange T, Reuther J, Bill J, Würzburg, Greifswald, Köln**
Study on treatment of condylar process fractures of the mandible
- PK3 **Herrmann KR, Mösch F, Lübeck**
CT-bildgestützte Kieferorthopädie (mit Videopräsentation)
- PK4 **Koppe T, Kaduk W, Greifswald**
Epigenetische Faktoren für die Gestaltung des Kiefergelenks
- PK5 **Lauer G, Haim D, Proff P, Richter G, Pradel W, Fanghänel J, Pilling E, Gedrange T, Mai R, Dresden, Greifswald**
Plate osteosynthesis at the mandibular condyle
- PK6 **Linss W, Möller K, Jena**
Gelenkknorpel und Discus articularis in der Frühphase der menschlichen Entwicklung
- PK7 **Mai R, Lauer G, Pilling E, Jung R, Leonhardt H, Proff P, Stadlinger B, Pradel W, Eckelt U, Fanghänel J, Gedrange T, Dresden, Greifswald**
Bone welding – a histological evaluation in the jaw
- PK8 **Proff P, Richter EJ, Blens T, Fanghänel J, Gedrange T, Rottner K, Greifswald, Würzburg, Köln**
A Michigan-type occlusal splint with spring loaded mandibular protrusion functionality for treatment of anterior disk dislocation with reduction
- PK9 **Reicheneder C, Gedrange T, Baqaien M, Müßig D, Regensburg, Greifswald**
Variations of maximum mouth opening capacity and condylar path length during growth period in children
- PK10 **Rottner K, Richter EJ, Fanghänel J, Gedrange T, Proff P, Würzburg, Greifswald**
Effects of centric relation prematurities of the frontal teeth
- PK11 **Tymofiyeva O, Proff P, Richter EJ, Jakob P, Fanghänel J, Gedrange T, Rottner K, Würzburg, Greifswald**
Correlation of MRT imaging with real time axiography of TMJ-clicks

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- 1 MT I - **Wruck CJ, Varoga D, Pufe T, Kiel**
1 Methysticin induces HO-1 expression via ERK1/2 dependent HIF-1alphas activation
- 2 MT I - **Dunner EM, Newman JV, Watters DJ, Brisbane (Qld, Australia)**
2 Cellular defects in Ataxia-telangiectasia
- 3 MT I - **Rodemeister S, Schilling D, Wurster J, Nohr D, Hohenheim**
3 Einfluss von Vitamin C auf die UV-induzierte Bildung von NO in humanen Endothelzellen (HMEC-1)
- 4 MT I - **Schilling D, Wurster J, Rodemeister S, Schultze M, Nohr D, Hohenheim**
4 Hemmung der UV-induzierten Hochregulation von iNOS in humanen Endothelzellen durch Ascorbinsäure
- 5 MT I - **Schilling D, Wurster J, Rodemeister S, Schultze M, Nohr D, Hohenheim**
5 Ascorbic acid blocks the UV-induced upregulation of iNOS in human endothelial cells (HMEC-1)
- 6 MT I - **Ahlemeyer B, Nguyen T, Müller C, Crane Di, Baumgart-Vogt E, Giessen, Brisbane (Qld, Australia)**
6 Neuronal death in cerebellar cultures from PEX13-knockout mice is mediated by oxidative stress
- 7 MT I - **Karnati S, Baumgart-Vogt E, Giessen**
7 Imbalance of antioxidative enzymes in PEX11 β deficient mouse lungs
- 8 MT I - **Willkomm L, Brixius K, Lange N, Richters L, Treiber N, Kümin A, Werner S, Scharffetter-Kochanek K, Bloch W, Cologne**
8 Exercise-induced alterations in skeletal muscle of heterozygous MnSOD-deficient mice
- 9 MT I - **Arend A, Aunapuu M, Tartu (Estonia)**
9 Beneficial effect of lipoic acid on the suppressed wound healing induced by n-3 dietary fatty acids in rats
- 10 N1 **Krueger M, Mahlo J, Rappert A, Bechmann I, Frankfurt/M**
The neuroanatomists' dirty little secret

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- 11 N2 **Bette M, Krieger T, Dietzschold B, Weihe E, Marburg, Philadelphia (PA, USA)**
Influence of Interferon-gamma receptor knockout on microglial and astrogliial reactions
- 12 N3 **Brandenburg LO, Nikolaeva N, Varoga D, Leib S, Wilms H, Podschun R, Pufe T, Sievers J, Lucius R, Kiel, Bern (Switzerland)**
Induction of antimicrobial peptide rCRAMP by bacterial components in glial cells
- 13 N4 **Arnhold S, Himmelreich U, Hoehn U, Berhorn T, Addicks K, Nohroudi K, Cologne**
In vivo cell tracking via NMR spectroscopy allows online observation of therapeutic approaches in a rat glioma model
- 14 N5 **Nohroudi K, Schnell E, Addicks K, Arnhold S, Cologne**
Suppression of C6 glioma cell proliferation by bone marrow derived stromal cells (BMMCs)
- 15 N6 **Hinkerohe D, Wolfkühler D, Haghikia A, Schlegel U, Dermietzel R, Meier C, Faustmann PM, Bochum**
Dexamethasone reduces gap junctional intercellular communication in F98 and U87 glioma cell lines
- 16 N7 **Indrei A, Dumitrescu G, Haba D, Lmioara Zamfir C, Costin D, Iasi, Romania**
The retinoblastoma – aspects of anatomy and pathology
- 17 N8 **Post C, Nohroudi K, Klinz FJ, Hoopmann M, Addicks K, Arnhold S, Cologne**
Amniotic fluid derived cells express stem cell markers and show neuronal differentiation characteristics
- 18 N9 **Dethleffsen K, Meyer M, Munich**
Targeting of defined neuronal populations by retrograde recombinase transport
- 19 N10 **Chen A, Kreienkamp HJ, Stroh T, Hamburg, Montreal (Q, Canada)**
Distribution of the Golgi-associated protein PIST in rat brain and co-localization with somatostatin receptor subtype 5
- 20 N11 **Neubert I, Kolsch M, Blaehser S, Giessen**
A graphical data base of neuropeptide systems in non-mammalian brains

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- 21 N12 **Ringer C, Weihe E, Schütz B, Marburg**
Calcitonin gene-related peptide is a marker for early pre-symptomatic motoneuron pathology in a mouse model of amyotrophic lateral sclerosis
- 22 N13 **Gericke M, Nowicki M, Kosacka J, Spanel-Borowski K, Leipzig**
The neuropeptides PACAP and NPY mediate antagonistic lipolytic effects in a time-dependent manner
- 23 N14 **Abt D, Tiegs G, Papadopoulos T, Neuhuber W, Erlangen**
Receptors for substance P and C GRP are present in human liver: possible involvement in neuro-immunomodulation
- 24 N15 **Haeck M, Amunts K, Eickhoff SB, Hoemke L, Schleicher A, Zilles K, Düsseldorf, Jülich, Aachen**
Probabilistic cytoarchitectonic mapping of the human frontal operculum
- 25 N16 **Golinski P, König HG, Politi C, Prehn JHM, Kögel D, Deller T, Schultz C, Frankfurt/M, Dublin (Ireland)**
Glutamate-induced regulation of NF- κ B-related proteins in the axon initial segment
- 26 N17 **Grant P, Kuchelmeister K, Baumgart-Vogt E, Wimmer M, Giessen**
Distribution and localisation of the protocadherin Fat1 in postsynaptic densities in hippocampal neurons of human and rat brain and patients suffering from schizophrenia
- 27 N18 **Brichová H, Prague (Czech Republic)**
Morphology of ageing of CA1 of hippocampus: abnormal synaptic pattern
- 28 N19 **Krakowska I, Jaworska-Adamu J, Boratyski Z, Lublin (Poland)**
Localization of estrogen receptors in hippocampal neurons of male rabbits
- 29 N20 **Jaworska-Adamu J, Krakowska I, Krakowski L, Lublin (Poland)**
Estradiol impact on expression of estrogen receptors in hippocampal astrocytes of ovariectomized rabbits
- 30 N21 **Bezdickova M, Molikova R, Bebarova L, David O, Olomouc (Czech Republic)**
Expression of steroid hormone receptors in adult tissue

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- 31 N22 **Shved N, Häusermann E, Berishvili G, Baroiller JF, Reinecke M, Eppler E, Zurich (Switzerland), Montpellier (France)**
Treatment with ethinylestradiol in fish during development leads to differential changes in the expression of IGF-I, IGF-II, GH and ER- α mRNA in the pituitary
- 32 N23 **Sheynzon P, Korf HW, Frankfurt/M**
Targeted deletions of melatonin receptors affect pCREB levels in lactotroph and pars intermedia cells of mice
- 33 N24 **Unfried C, Burbach G, Korf HW, von Gall C, Frankfurt/M**
Melatonin and the clock gene complex regulate rhythmic gene expression in the mouse pars tuberalis
- 34 N25 **Do HV, Zhang Q, Nürnberg F, Frankfurt/M**
Effect of sleep deprivation on the expression of clock genes in the suprachiasmatic nucleus of golden hamsters
- 35 N26 **Sie J, Politi C, Del Turco D, Deller T, Schultz C, Frankfurt/M**
Prevalence and distribution of spiny Purkinje cell axons in ankyrinG-deficient mice
- 36 N27 **Wasowicz K, Cacka J, Podlasz P, Bukowski R, Zacki M, Olsztyn (Poland)**
Neurons of the porcine facial nucleus: reaction to axotomy
- 37 N28 **Cacka J, Zalecki M, Wasowicz K, Lakomy M, Olsztyn (Poland)**
A comparison of the distribution and morphology of ChAT-, VACHT-immunoreactive and AChE-positive neurons in the thoracolumbar and sacral spinal cord of the pig
- 38 N29 **Hoheisel U, Taguchi T, Mense S, Heidelberg**
Can a subthreshold input to spinal dorsal horn neurones induce an increased cFos-expression?
- 39 N30 **Schafer MK-H, Erickson JD, Weihe E, Marburg**
Vesicular glutamate transporters define subsets of excitatory neurons in sensory spinal pathways
- 40 N31 **Nowicki M, Kosacka J, Borlak J, Spanel-Borowski K, Leipzig, Hannover**
The Siglec-4 inhibitor BENZ induces neurite outgrowth and survival of rat dorsal root ganglia cell cultures (DRG)

- 41 N32 **Wojtkiewicz J, Gonkowski S, Bossowska A, Skobowiat C, Liminowicz Z, Majewski M, Olsztyn (Poland)**
Preganglionic input to the superior cervical ganglion in the domestic pig
- 42 N33 **Liutkiene G, Stropus R, Dabuzinskiene A, Pilmane M, Riga (Latvia)**
Neurodegenerative alterations of neurons and satellite cells in the human superior cervical ganglion following ischemic stroke
- 43 N34 **Bömmel H, Steinke A, Asan E, Würzburg**
Expression of ciliary neurotrophic factor (CNTF) in cultured olfactory ensheathing cells (OEC)
- 44 N35 **Haastert K, Samii M, Lipokatic E, Feigl G, Grothe C, Hannover**
Peripheral nerve regeneration after end-to-side nerve coaptation – functional and morphological analysis
- 45 N36 **Sieblast C, Kuhn HJ, Malz CR, Göttingen**
The Grüneberg Ganglion in the tree shrew Tupaia belangeri
- 46 N37 **Batulevicius D, Frese T, Peschke E, Batuleviciene V, Pauza DH, Kaunas (Lithuania), Halle**
Intracardiac nerves and ganglia in diabetic Goto Kakizaki rats
- 47 N38 **Gonkowski S, Bossowska A, Wojtkiewicz J, Skobowiat C, Majewski M, Olsztyn (Poland)**
Proliferative enteropathy (PE)-induced changes in the number of ZnT3-like immunoreactive (ZnT3-LI) colonic neurons in the pig
- 48 N39 **Bossowska A, Radziszewski P, Gonkowski S, Skobowiat C, Wojtkiewicz J, Majewski M, Olsztyn (Poland)**
Resiniferatoxin-induced changes in the chemical coding of sensory neurons supplying the porcine urinary bladder
- 49 N40 **Sienkiewicz W, Olsztyn (Poland)**
Immunohistochemical properties of anterior pelvic ganglion (APG) neurons projecting to the porcine testis
- 50 N41 **Skobowiat C, Sroka A, Bossowska A, Wojtkiewicz J, Gonkowski S, Baran K, Majewski M, Olsztyn (Poland)**
Exogenously applied melatonin is able to change the chemical coding of intraovarian nerve fibers in Mustela lutreola

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- 51 R1 **Löffler S, Sass K, Brylla E, Ricken A, Sakurai M, Spanel-Borowski K, Leipzig**
C-kit receptor positive (c-kit+) cells in the bovine corpus luteum originate from the thecal cell layer
- 52 R2 **Käßmeyer S, Plendl J, Berlin**
The corpus luteum: a source of progenitors for endothelial and granulosa cells?
- 53 R3 **Heinrich A, Ricken A, Nguyen NQN, Cornet A, Struman I, Martial J, Spanel-Borowski K, Leipzig, Liege (Belgium)**
The angiogenesis inhibitor 16kDa prolactin reduces the number of corpora lutea (CL) in mice
- 54 R4 **Krusche CA, Kroll T, von Rango U, Aachen**
Relaxin receptor (LGR7) expression in the human first and second trimester decidua
- 55 R5 **Horling K, Fröhlich C, Tonack S, Navarrete Santos A, Fischer B, Halle**
The human granulosa cell line KGN as a model to investigate the role of the AhR pathway for granulosa cell function
- 56 R6 **Ramin N, Navarrete Santos A, Fischer B, Halle**
Regulatory effect of insulin and glucose on the gluconeogenetic enzyme phosphoenolpyruvate carboxykinase (PEPCK) in rabbit blastocysts
- 57 R7 **Scheidler J, Dunk CC, Schmidt M, Winterhager E, Gellhaus A, Essen, Toronto (Canada)**
Deregulated expression of gap junction proteins in human preeclamptic placentae
- 58 R8 **Goebel N, Schmidt M, Dunk CC, Frede S, Winterhager E, Gellhaus A, Essen, Toronto (Canada)**
Regulation of CCN proteins CYR61 (CCN1) and NOV (CCN3) in human trophoblast cells under hypoxia
- 59 R9 **Schenkel S, Alfer J, Wellmann A, Knöpfle G, von Rango U, Aachen, Düren, Bonn**
Decidual leukocyte subpopulations in cases of pathological increased trophoblast invasion
- 60 R10 **Schmitz J, Schuetze N, Winterhager E, Gellhaus A, Essen, Würzburg**
NOV (CCN3) protein alters the proliferative capacity of malignant trophoblast cells

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- 61 R11 **Rampelbergh HM, von Rango U, Eisner S, Krusche CA, Aachen**
The effects of steroids and Trichostatin A on CXCR4 mRNA expression in T47D and MCF7 breast cancer cells
- 62 R12 **Michna H, Jeffrey R, Tenniswood M, Welsh JE, Nishino T, Munich**
The human androgen-dependent prostate cancer models LNCaP and PC-346C: growth regulatory and mechanistic studies with glucocorticoids, Vitamin D3 (EB1089) and green tea ingredients in comparison to (anti-)androgens in vitro and in vivo
- 63 R13 **Nishino T, Jeffrey R, Tenniswood M, Welsh JE, Michna H, Munich**
Mechanistic and morphological studies on the combinatory effect of a Vitamin D3 analogue and an androgen receptor antagonist in prostate cancer cells in vitro and in vivo
- 64 R14 **Cayli S, Sati L, Sakkas D, Demir R, Huszar G, Giessen, Antalya (Turkey), New Haven (CT, USA)**
Tyrosin phosphorylation in capacitating human sperm bound to zona pellucida of oocytes or hyaluronic acid
- 65 R15 **Richter A, Wilhelm B, Aumüller G, Wennemuth G, Marburg**
In vitro-Fusion of bull sperm to epididymosomes
- 66 R16 **Cavalcanti MCO, Geyer J, Failing K, Bergmann M, Giessen**
Expression of testis-specific histon (H1T) gene in spermatogenesis of the stallion
- 67 R17 **Lekhkota O, Bergmann M, Giessen**
Expression and cellular localization of estrogen receptor alpha (ER- α) mRNA in the testis of different mammals
- 68 R18 **Fijak M, Lustig L, von Wulffen W, Iosub R, Guazzone VA, Schneider E, Meinhardt A, Rival C**
Costimulatory molecules, chemokine receptors and proinflammatory cytokines in dendritic cell population in normal and chronically inflamed rat testis
- 69 I1 **Cayli S, Dobre A-M, Fröhlich S, Urlaub H, Meinhardt A, Klug J, Giessen**
Identification and molecular characterization of binding partners for the pro- inflammatory cytokine MIF

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- 70 I2 **Garreis F, Schlorf T, Varoga D, Paulsen FP, Halle, Kiel**
Expression and regulation of β-defensins at the ocular surface
- 71 I3 **Sel S, Schilling M, Friebel K, Vetter E, Ehrich D, Simm A, Nass N, Nakhai H, Kalinski T, Hoppe C, Duncker GIW, Paulsen FP, Halle**
Promotion of corneal ulcer healing after local application of bone marrow cells and CD117+ stem cells
- 72 I4 **Gottschalt M, Garreis F, Harder J, Gläser R, Worlitzsch D, Bräuer L, Paulsen FP, Halle, Kiel**
Detection and function of psoriasin at the ocular surface
- 73 I5 **Rösler S, Hase T, Claassen H, Riemann D, Sel S, Varoga D, Worlitzsch D, Müller-Hilke B, Goldring MB, Wohlrab D, Paulsen FP, Halle**
Trefoil factor family peptide 3 (TFF3) in osteoarthritic cartilage
- 74 I6 **Lantermann K, Van Nassauw L, Van Op den Bosch J, Van Marck E, Timmermans J-P, Antwerp (Belgium)**
Distribution of Receptor-Activity-Modifying Protein 1 (RAMP1) in the non-inflamed and inflamed ileum of wild-type and c-Kit-deficient mice
- 75 I7 **Krain BR, Kummer W, König P, Giessen, Lübeck**
5HT increases ciliary particle transport speed in the mouse trachea independently from acetylcholine
- 76 I8 **Bakhmet AA, Sapin MR, Kühnel W, Moscow (Russia), Lübeck**
Microtopographic peculiarities of some immune system organs in Wistar rats both under stress and antistress action of the delta sleep-inducing peptide
- 77 I9 **Zidan M, Pabst R, Hannover**
The histology of the hemal nodes of the Egyptian water buffalo (*Bos bubalus*)

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- 78 MT II - **Paradowska A, Fenic I, Konrad L, Weidner W, Steger K, Giessen, Marburg**
CB1 Aberrant DNA methylation of imprinting control region of IGF2/H19 gene in prostate cancer compared with benign prostate hyperplasia
- 79 MT II - **Mazzotti G, Teti G, Falconi M, Bolgna (Italy)**
CB2 Nucleosome and chromatin fiber
- 80 MT II - **Bruns AF, van Bergeijk J, Jungnickel J, Grothe C, Claus P, Hannover**
CB3 Nuclear bodies: distinct nuclear substructures are regulated by an intracellular growth factor
- 81 MT II - **Neniciu A, Lüers GH, Bergmann M, Baumgart-Vogt E, Giessen, Marburg**
CB4 Peroxisomal heterogeneity in distinct cell types of the testis.
Stage dependent alterations of the peroxisomal compartment in seminiferous tubules
- 82 MT II - **Weßel I, Grant P, Baumgart-Vogt E, Giessen**
CB5 Pex14p, the ideal marker of peroxisomes for comparative morphometry in paraffin-embedded tissue samples
- 83 MT II - **Beck A, Morrell JC, Gould SJ, Baumgart-Vogt E, Giessen, Baltimore (MD, USA)**
CB6 The PEX19-knockout mouse - a new model for Zellweger Syndrome and to study peroxisomal membrane biogenesis
- 84 MT II - **Qian G, Obert M, Ahlemeyer B, Traupe H, Baumgart-Vogt E, Giessen**
CB7 PEX11beta deficiency impairs bone ossification
- 85 MT II - **Varoga DJ, Wruck, CJ, Tillmann, BN, Pufe T, Kiel**
CB8 Bacterial induction of HBD-3 in osteoblasts is dependent on Toll-like receptor-2
- 86 MT II - **Claassen H, Brandt J, Ebersbach R, Goldring M, Reuse K, Thate A, Paulsen FP, Halle, Boston (MA, USA)**
CB9 Evaluation of androgen, estrogen, insulin, and progesterone receptor expression in chondrocyte cell lines C-28/I2 and T/C-28a2 by RT-PCR and Western blot analysis

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- 87 MT II - **Ebersbach R, Brandt J, Paulsen FP, Reuse K, Rosemeier A, Thate A, Claassen H, Halle**
CB10 Detection of androgen and progesterone receptors in human articular chondrocytes analysed by RT-PCR and Western Blot
- 88 MT II - **Reuse K, Brandt J, Ebersbach R, Paulsen F, Rosemeier A, Thate A, Claassen H, Halle**
CB11 Estrogen and insulin receptors in human primary articular chondrocytes analysed by Western blot
- 89 MT II - **Fuchshofer R, Heersink S, Ramsey KE, Stephan DA, Russell P, Tamm ER, Washington DC (USA), Regensburg, Madison (WI, USA)**
CB12 Changes in gene expression in human trabecular meshwork cells after treatment with BMP-7 and/or TGF-beta2
- 90 MT II - **Junglas B, Tamm E, Fuchshofer R, Regensburg**
CB13 Connective tissue growth factor affects the homeostasis of the extracellular matrix in trabecular meshwork cells
- 91 MT II - **Wruck CJ, Varoga DJ, Tillmann BN, Pufe T, Kiel**
CB14 Cyclic strain is involved in the downregulation of VEGF in tendons
- 92 MT II - **Meinhard F, Fischer B, Navarrete Santos A, Tonack S, Halle**
CB15 Dioxin interferes specifically with glucose transport in myoblast and hepatoma cells
- 93 MT II - **Barop J, Schreiner D, Tag C, Wimmer M, Giessen**
CB16 PTPIP 51 in human skeletal muscle cells is closely related with differentiation processes
- 94 MT II - **Stenzinger A, Gassauer M, Tag C, Wimmer M, Giessen**
CB17 PTPIP51 is associated with processes of differentiation and apoptosis
- 95 MT II - **Koch P, Stenzinger A, Viard M, Mayser P, Wimmer M, Giessen**
CB18 Expression of the novel protein PTPIP51 in human keratinocyte carcinomas and their surrounding stroma
- 96 MT II - **Stenzinger A, Schreiner D, Tag C, Wimmer M, Giessen**
CB19 Vitamin- and cytokine-mediated expression of the novel protein PTPIP51 in epidermal cells

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- 97 MT II - **Schulte-Kreutz T, Tag C, Stenzinger A, Wimmer M, Giessen**
CB20 Specific tissue- and organ-distribution of P30 - a spectrin-like protein
- 98 MT II - **Stoeckelhuber M, Matthias C, Andratschke M, Stoeckelhuber BM, Koehler C, Herzmann S, Sulz A, Welsch U, Munich, Lübeck**
CB21 Human ceruminous gland: Ultrastructure and histochemical analysis of antimicrobial and cytoskeletal components
- 99 MT II - **Doroshenko E, Endlich N, Welsch T, Shaw AS, Endlich K, Greifswald, Heidelberg, St. Louis (MO, USA)**
CB22 Impaired actin dynamics in CD2AP-deficient podocytes
- 100 MT II - **Mutig K, Paliege A, Böhlick A, Welker P, Bachmann S, Berlin**
CB23 Cell biology of acute vasopressin-stimulated activation of the kidney Na,K,2Cl cotransporter of thick ascending limb
- 101 MT II - **Groos S, Ungewickell EJ, Hannover**
CB24 Amphiphysin is associated with apical canalliculi in rat kidney proximal tubules
- 102 MT II - **Barth K, Weinhold K, Kasper M, Dresden**
CB25 Downregulation of caveolin-1 influences the P2XR expression in lung alveolar epithelial cells
- 103 MT II - **Haberberger R, de Graaf Y, Hsu SYT, Gibbins IL, Adelaide (Australia)**
CB26 Intermedin: expression and localisation in the asthmatic mouse lung
- 104 MT II - **Haberberger RV, Runciman S, Proia R, Gibbins IL, Adelaide (Australia)**
CB27 Allergic lung inflammation induces the remodelling of the pulmonary vasculature in sphingosine kinase 1 deficient mice
- 105 MT II - **Korkmaz H, Arnhold S, Korkmaz Y, Raab WH -M, Bloch W, Addicks K, Cologne, Düsseldorf**
CB28 Translocation and phosphorylation of eNOS in rat palatal mucosa epithelium overlaying gl. palatinæ
- 106 MT II - **Schlegel N, Burger S, Drenckhahn D, Waschke J, Würzburg**
CB29 cAMP stabilizes barrier function in VASP-deficient myocardial microvascular endothelium in vitro

- 107 MT II - **Banaz-Yaşar F, Stefen G, Hauschild J, Kilic E, Gobius CB30 Hevelke B, Schumann G, Ergün S, Essen, Hamburg, Langen**
The role of LINE-1 elements in vascular morphogenesis
- 108 MT II - **Bahramsoltani M, Plendl J, Berlin**
CB31 Contribution of anatomists to replace animal testing
- 109 D1 **Märker D, Tag C, Wimmer M, Giessen**
PTP interacting protein 51 in embryonic mouse tissue
- 110 D2 **Ohlmann A, Scholz M, Tamm ER, Regensburg**
Elevated TGF- β signalling in the eyes of transgenic mice inhibits development of the choroidal vasculature
- 111 D3 **Dai F, Morosan-Puopolo G, Tröster F, Lu Y, Zhao W, Yusuf Y, Gamel AJ, Brand-Saberi B, Freiburg**
ATOH8, a bHLH transcription factor, may involve in a novel myopathy
- 112 D4 **Rudloff S, Dathe V, Yusuf F, Dai F, Pröls F, Rehimi R, Kleff V, Hofmann DK, Brand-Saberi B, Freiburg, Halle, Bochum**
Role of Thymosin beta 15 in muscle development
- 113 D5 **Rehimi R, Khalida N, Yusuf F, Dai F, Morosan-Puopolo G, Brand-Saberi B, Freiburg**
Chemokine, Stromal-derived factor-1 (SDF-1), expression during early chick embryo development
- 114 D6 **Lužná P, Kyiarová D, Kašpárková E, Erdösová B, Wagner F, Lichnovský V, Olomouc (Czech Republic)**
Bcl-2 family in hepatolienal period of hematopoiesis
- 115 D7 **Antohe I, Antohe DS, Puisoru M, Moraru M, Iasi (Romania)**
Congenital absence of right tympanic bone
- 116 M1 **Antohe DS, Fatu C, Varlam H, Antohe I, Iasi (Romania)**
Tympanic bone revisited
- 117 M2 **Schamall D, Holzinger D, Teschl-Nicola M, Czerny C, Imhof H, Brandstätter F, Patzak B, Tangl S, Pretterklieber ML, Vienna (Austria)**
Syngnathia in historic skulls: A systematic methodological investigation of a rare pathologic condition involving the facial skeleton

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- 118 M3 **Nimigean V, Mihai A, Nimigean VR, Maru N, Rusu MC, Bucharest (Romania)**
Anatomical and clinical considerations on the maxillary sinus floor
- 119 M4 **Antohe I, Antohe DS, Chistol R-O, Iasi (Romania)**
Anatomical and morphometrical study of the pterygoid canal
- 120 M5 **Scutaru MD, Varlam H, Antohe DS, Antohe I, Iasi (Romania)**
Morphology and morphometry of the jugular foramen
- 121 M6 **Nimigean V, Sirbu I, Nimigean VR, Maru N, Rusu MC, Iasi (Romania)**
An morphological and imagistic preimplantary survey of the lateral mandibular area
- 122 M7 **Kovac T, Leksan I, Nikolic V, Marcikic M, Radic R, Josip Osvatic A, Osijek (Croatia)**
Morphology of thyroid cartilage: is there a link between thyroid angle and the type of hyoid bone?
- 123 M8 **Hinganu M, Lucian FL, Hinganu R, Iasi (Romania)**
Regional specific features of facial superficial musculoaponeurotic system
- 124 M9 **Sapin MR, Erofeyeva LM, Bakhmet AA, Moscow (Russia)**
The structural changes of the human gum in adult persons
- 125 M10 **Rusu MC, Nimigean V, Maru N, Bucharest (Romania)**
Anatomo-clinical considerations on the hypoglossal nerve
- 126 M11 **Holzinger D, Frank A, Czerny C, Plischke S, Imhof H, Pretterklieber ML, Vienna (Austria)**
Normal CT-appearance of the soft-tissues within the face and neck: A study comparing high-resolution CT-images and 3D-reconstructions with anatomic cross-sections and stratigraphic dissections
- 127 M12 **Göbbel L, Schultka R, Klunker R, Stock K, Olsson L, Tönnies H, Halle, Jena, Berlin**
Phenotypic variability and pathology of fetuses with holoprosencephaly in the Meckel Anatomical Collections at the University of Halle, Germany

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- 128 M13 ***Selthofer R, Nikolic V, Mrceila T, Radic R, Lekšan I, Osijek (Croatia)***
Toughness of the sternum
- 129 M14 ***Schulte TL, Struwe P, Herrmann E, Bullmann V, Filler TJ, Münster***
An anatomical contribution to explain arthritis and „blockade“ of thoracic zygapophyseal joints
- 130 M15 ***Aunapuu M, Arend A, Roosaar P, Simovart HE, Männik P, Kibur R-T, Uksov D, Nõupuu K, Järveots T, Andrianov V, Tartu (Estonia)***
Rod-through-plat fixation of sheeps diaphyseal fractures. A pilot study
- 131 M16 ***Tesch NP, Clement HG, Tanzer K, Pichler W, Grechenig W, Hausleitner L, Graz (Austria)***
The anterior surface of the distal radius shows many anatomical variations – Does this have a relevance for surgical operations?
- 132 M17 ***Varlam H, Antohe I, Chistol R-O, Antohe DS, Iasi (Romania)***
Morphological and morphometrical study of the lateral malleolus
- 133 M18 ***Lorkowski J, Trybus M, Brongel L, Häadki W, Cracow (Poland)***
Underfoot pressure distribution in patient with unilateral ankylosis of talonavicular joint – case report
- 134 M19 ***Keller K, Jerosch J, Filler TJ, Münster***
Morphology of the anterior inferior tibiotalar ligament, a new structure with clinical relevance
- 135 M20 ***Sass K, Corterier C, Löffler S, Brylla E, Steen M, Spanel-Borowski K, Leipzig***
In vitro viability test of preserved tendons for grafting
- 136 M21 ***Zeigermann M, Amm M, Paulsen FP, Duncker GIW, Halle***
Comparison of cross-linked and non cross-linked human amniotic membrane for corneal reconstruction
- 137 M22 ***Kritzenberger M, Hillenkamp J, Kobuch K, Saikia P, Framme C, Helbig H, Tamm E, Regensburg***
Ultrastuctural and immunohistochemical analysis of idiopathic epiretinal membranes of the cellophane and non-cellophane type

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- 138 M23 **Kuchinka J, Nowak E, Szczurkowski A, Kuder T, Kielce (Poland)**
The ophthalmic artery origin from the terminal branches of basic artery of the brain in chinchilla (Chinchilla laniger) – case report
- 139 M24 **Zamfir M, Zamfir C, Paduraru D, Stan C, Cojocaru E, Iasi (Romania)**
Surgical relevance of the origins of the inferior mesenteric artery branches
- 140 M25 **Goian L, Frincu DL, Hinganu M, Veliceasa B**
The paucivascular arterial areas of the esophageal muscularis
- 141 M26 **Rusu MC, Petrescu CI, Vlad M, Niculescu MC, Bucharest (Romania)**
The anterior descending septal artery – morphological and topographical considerations
- 142 M27 **Matusz P, Niculescu V, Pusztai AM, Hordovan E, Timisoara (Romania)**
Evaluation of the branching of the portal hepatic vein at hilum level according to the morphologic aspect of the liver
- 143 M28 **Vaitkevicius R, Saburkina I, Zaliunas R, Pauziene N, Pauza DH, Kaunas (Lithuania)**
Autonomic innervation of the human pulmonary veins: the targets for cardiac interventionists
- 144 M29 **Saburkina I, Vaitkevicius R, Geguzis V, Pauza DH, Kaunas (Lithuania)**
Prenatal growth and remodeling of neural epicardiac ganglia in human fetuses
- 145 M30 **Merkel A, Bratzke H-J, Korf H-W, Wicht H, Frankfurt/M**
The human glomera coccygea – a group of paraganglia?
- 146 M31 **Farcaß D, Frîncu DL, Crauciuc E, Hinganu R, Iasi (Romania)**
Anatomical basis of constitutional factor in women with genital prolapse
- 147 M32 **Hinganu R, Frincu DL, Crauciuc E, Iasi (Romania)**
Assessments regarding the luteinising ovarian stromal cells

- 148 M33 **Mainik F, Koschek A, Brehmer A, Neuhuber WL, Kuthe A, Schrödl F, Hannover, Coburg, Erlangen**
Morphology of a sling-like structure during laparoscopic total extraperitoneal (TEP) inguinal hernia repair
- 149 M34 **Zamfir C, Zamfir M, Cojocaru E, Iasi (Romania)**
Evaluation of an NO donor effect on rat kidney, after zinc exposure
- 150 M35 **Knels L, Wendel M, Meissner S, Krueger A, Koch E, Lambeck T, Heller AR, Koch T, Dresden**
Untersuchung der morphologischen Veränderungen des Lungengewebes mittels 3D-Optischer Kohärenztomographie während der Perfusionsfixierung
- 151 M36 **Steinke H, Leipzig**
A method for staining thin plastinated body slices
- 152 M37 **Plendl J, Hünigen H, Bahrami M, pre-clinical students of veterinary medicine (2002-2007), Berlin**
Learning by teaching: peer instruction in veterinary anatomy and histology courses

Alphabetical List of First Authors of Lectures and Posters: A - F

Abt	P	23	N14		Bushan	L	22	Sat
Acker T	L	12	Sat		Calka	P	37	N28
Ahlemeyer	P	6	MT I - 6		Calvancanti	P	66	R16
Althaus	L	70	Mon		Cayli	P	64	R14
Antohe	P	115	D7		Cayli	P	69	I1
Antohe	P	116	M1		Ceynowa	L	61	Mon
Antohe	P	119	M4		Chai X	L	58	Mon
Arend	P	9	MT I - 9		Chen	P	19	N10
Arnhold	P	13	N4		Claassen	L	75	Mon
Arnold	L	33	Sun		Claassen	P	86	MTII/CB9
Aunapuu	P	130	M15		Claus	L	25	Sun
Bachmann	L	13	Sat		Collinet	L	53	Mon
Bahramioltani	P	108	MTII/CB31		Crane	L	36	Sun
Bakhmet	P	76	I8		Dai	P	111	D3
Banaz-Yaşar	P	107	MTII/CB30		De Proost	L	8	Sat
Barop	P	93	MTII/CB16		Dethleffsen	P	18	N9
Barth	P	102	MTII/CB25		Djedovic	L	43	Sun
Batulevicius	P	46	N37		Do	P	34	N25
Baumgart-Vogt	L	37	Sun		Doroshenko	P	99	MTII/CB22
Beck	P	83	MTII/CB6		Duchen	L	S16	Fri
Bette	P	11	N2		Dunner	P	2	MT I - 2
Bezdickova	P	30	N21		Ebersbach	P	87	MTII/CB10
Bhattacharya	L	1	Sat		Eickelberg	L	S13	Fri
Bienengräber	P	PK1	Fri / KG		Eisele	L	66	Mon
Blumer	L	47	Sun		Endlich K	L	28	Sun
Böckers	L	57	Mon		Erdmann	L	35	Sun
Bömmel	P	43	N34		Eulert	P	PK2	Fri / KG
Bossowska	P	48	N39		Fanghänel	L	K1	Fri
Brandenburg	P	12	N3		Farcaß	P	146	M31
Bräuer	L	19	Sat		Fijak	P	68	R18
Braun	L	S12	Fri		Fink C	L	23	Sat
Breul	L	K3	Fri		Fischer	L	S9	Fri
Brichová	P	27	N18		Frangakis	L	54	Mon
Bruns	P	80	MTII/CB3		Freesmeyer	L	K4	Fri
Busch C	L	84	Mon		Fuchshofer	P	90	MTII/CB12

Alphabetical List of First Authors of Lectures and Posters: G - L

Garresi	P	70	I2
Gericke	P	22	N13
Ghofrani	L	S15	Fri
Göbbel	P	127	M12
Goebel	P	58	R8
Golinski	P	25	N16
Gonkowski	P	47	N38
Görlich	L	26	Sun
Gottschalt	P	72	I4
Götz	L	K20	Fri
Götz	L	48	Sun
Gould	L	52	Mon
Grant	P	26	N17
Grimminger	L	S19	Fri
Groos	P	101	MTII/CB24
Haastert	P	44	N35
Haberberger	P	103	MTII/CB26
Haberberger	P	104	MTII/CB27
Hackstein	L	S3	Fri
Haeck	P	24	N15
Hänze	L	S7	Fri
Heinrich	P	53	R3
Herrmann	P	PK3	Fri / KG
Hesse B	L	45	Sun
Heupel	L	72	Mon
Hinganu	P	123	M8
Hinganu	P	147	M32
Hinkerohe	P	15	N6
Hirokawa	L	39	Sun
Hoheisel	P	38	N29
Holzinger	P	126	M11
Horling	P	55	R5
Hützen	L	K6	Fri
Ihlow	L	K15	Fri
Ihlow	L	K17	Fri

Immenschuh	L	16	Sat
Indrei	P	16	N7
Irmak	L	80	Mon
Jäger	L	K9	Fri
Jastrow	L	62	Mon
Jaworska- Adamu	P	29	N20
Junglas	P	90	MTII/CB13
Karnati	P	7	MT I - 7
Käßmeyer	P	52	R2
Keller	P	134	M19
Kipp	L	76	Mon
Knels	P	150	M35
Koch	P	95	MTII/CB18
Kopp	L	K7	Fri
Koppe	P	PK4	Fri / KG
Koppe	L	42	Sun
Kordaß	L	K19	Fri
Korkmaz	P	105	MTII/CB28
Kovac	P	122	M7
Krain	P	75	I7
Krakowska	P	28	N19
Kritzenberger	P	137	M22
Krueger	P	10	N1
Krusche	P	54	R4
Kubein- Meesenburg	L	K12	Fri
Kubein- Meesenburg	L	K18	Fri
Kuchinka	P	138	M23
Kwapiszewska	L	15	Sat
Lantermann	P	74	I6
Lauer	P	PK5	Fri / KG
Leemhuis	L	67	Mon
Lekhkota	P	67	R17
Lenart	L	27	Sun
Leube	L	29	Sun

Alphabetical List of First Authors of Lectures and Posters: L - R

Li	L	60	Mon
Linss	P	PK6	Fri / KG
Linß	L	K21	Fri
Lips	L	77	Mon
Liutkiene	P	42	N33
Löffler	P	51	R1
Lohmeyer	L	S5	Fri
Lorkowski	P	133	M18
Lucian	P	140	M25
Lüers	L	38	Sun
Lužná	P	114	D6
Mahal	L	71	Mon
Mai	P	PK7	Fri / KG
Mainik	P	148	M33
Märker	P	109	D1
Matusz	P	142	M27
Mayer	L	S4	Fri
Mazzotti	P	79	MTII/CB2
Meinhard	P	92	MTII/CB15
Merkel	P	145	M30
Meyer	L	K2	Fri
Michna	P	62	R12
Mikulski	L	18	Sat
Molikova	L	69	Mon
Mühlfeld	L	4	Sat
Müller D	L	S2	Fri
Müller RD	L	73	Mon
Müller-Esterl	L	S1	Fri
Mutig	P	100	MTII/CB23
Nenicu	P	81	MTII/CB4
Neubert	P	20	N11
Nimigean	P	118	M3
Nimigean	P	121	M6
Nishino	P	63	R13
Nohroudi	P	14	N5

Noll	L	S18	Fri
Nowicki	P	40	N31
Nurse	L	6	Sat
Ochs	L	51	Mon
Ohlmann	P	110	D2
Oppitz	L	83	Mon
Paddenberg	L	3	Sat
Paradowska	P	78	MTII/CB1
Pfeffer	L	63	Mon
Pfeil	L	7	Sat
Plendl	P	151	M37
Politi	L	59	Mon
Post	P	17	N8
Prenzler	L	21	Sat
Prescher	L	K5	Fri
Proff	P	PK8	Fri / KG
Püschel	L	46	Sun
Qian	P	84	MTII/CB7
Ramin	P	56	R6
Rampelbergh	P	61	R11
Rapoport	L	49	Mon
Rehimi	P	113	D5
Rehling	L	31	Sun
Reich	L	K8	Fri
Reicheneder	P	PK9	Fri / KG
Renner	L	11	Sat
Rentala	L	S10	Fri
Reuse	P	88	MTII/CB11
Richter	P	65	R15
Ricken	L	78	Mon
Ringer	P	21	N12
Rodemeister	P	3	MT I – 3
Rösler	P	73	I5
Rottner	P	PK10	Fri / KG
Rudloff	P	112	D4
Ruf	L	K11	Fri

Alphabetical List of First Authors of Lectures and Posters: R - W

Rusu	P	125	M10
Rusu	P	141	M26
Saburkina	P	144	M29
Sadat-Khonsari	L	K14	Fri
Saftig	L	50	Mon
Sapin	P	124	M9
Sass	P	135	M20
Schafer	P	39	N30
Schamall	P	117	M2
Schapira	L	32	Sun
Scheidler	P	57	R7
Schenkel	P	59	R9
Schermuly	L	S14	Fri
Schermuly	L	5	Sat
Schilling D	P	4	MT I – 4
Schilling D	P	5	MT I – 5
Schlegel	P	106	MTII/CB29
Schmidt A	L	82	Mon
Schmitz	P	60	R10
Schmitz L	L	S11	Fri
Schöbel	L	K10	Fri
Schrader	L	34	Sun
Schreckenberg	L	10	Sat
Schulte	P	129	M14
Schulte-Kreutz	P	97	MTII/CB20
Schultz	L	56	Mon
Scutaru	P	120	M5
SeddingD	L	9	Sat
Seifarth	L	74	Mon
Seifert	L	14	Sat
Sel	P	71	I3
Selthofer	P	128	M13
Sheynzon	P	32	N23
Shiozawa	L	44	Sun

Shved	P	31	N22
Sie	P	35	N26
Sieblist	P	45	N36
Sienkiewicz	P	49	N40
Singer	L	79	Mon
Skobowiat	P	50	N41
Sommer	L	S17	Fri
Steingen	L	81	Mon
Steinke	L	41	Sun
Steinke	P	151	M36
Stenzinger	P	94	MTII/CB17
Stenzinger	P	96	MTII/CB19
Stoeckelhuber	P	98	MTII/CB21
Tesch	P	131	M16
Theiss	L	30	Sun
Thieme	L	K13	Fri
Tymofiyeva	P	PK11	Fri / KG
Unfried	P	33	N24
Vaitkevicius	P	143	M28
Varlam	P	132	M17
Varoga	P	85	MTII/CB8
von Bohlen und Halbach	L	68	Mon
von Gall	L	64	Mon
Voswinckel	L	S8	Fri
Wächter	L	24	Sat
Wagner	L	20	Sat
Wasowicz	P	36	N27
Weissmann	L	2	Sat
Wenger	L	S6	Fri
Weßel	P	82	MTII/CB5
Willkomm	P	8	MT I – 8
Winkelmann	L	40	Sun
Witzgall	L	55	Mon
Wojtkiewicz	P	41	N32

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Wruck	P	91	MTII/CB14
Wruck	P	1	MT I - 1
Wruck CJ	L	17	Sat
Yasuo S	L	65	Mon

Zamfir	P	139	M24
Zamfir	P	149	M34
Zech	L	K16	Fri
Zeigermann	P	136	M21
Zidan	P	77	I9

General Information

President of the Anatomische Gesellschaft and President of the 102nd Annual Meeting in Gießen

Prof. Dr. Horst-Werner Korf, Dr. Senckenbergische Anatomie,
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AnatGes2007 Local Organising Committee

Chair: Prof. Dr. med. Eveline Baumgart-Vogt,
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Eveline.Baumgart-Vogt@anatomie.med.uni-giessen.de

Organisation: All members of the Institute for Anatomy and Cell Biology under the guidance of Profs. Eveline Baumgart-Vogt, Wolfgang Kummer, Andreas Meinhardt and Ralf Middendorff

Scientific Committee: Main Topic I and SFB 547 – Wolfgang Kummer
Main Topic II and all AnatGes2007 Sessions - Eveline Baumgart-Vogt
In cooperation with the Executive Board of the Anatomische Gesellschaft

General Information

AnatGes2007 Correspondence and Congress Secretary

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Homepage of the AnatGes2007 Congress

In general you can find all information on the homepage of the AnatGes2007 Congress under: <http://www.anatges2007.de>

Venue

The AnatGes2007 congress will take place at the Institute for Anatomy and Cell Biology of the Justus Liebig University of Giessen.

All lectures, oral communications and posters will be presented in the *Lecture Hall Building* of the Institute for Anatomy and Cell Biology, Aulweg 121, 35385 Giessen, Germany.

Phone: ++49(0)641-99 47101 – Fax: ++49(0)641-99 47109
E-mail: info@anatges2007.de

Registration

The *Registration Office* is located within the *Lecture Hall Building* and will be open on Friday, 30th March from 7:30 to 8:30 and from 16:00 to 20:00 and on Saturday, 31st March from 7:30 to 8:30. Thereafter registration is still possible via the *Congress Information Center*.

Registration Fees

„Early bird“-online registration is no longer available. The deadline was January 15th. Registration fees are now:

Members: € 120

Non-members: € 160

Students: € 40

Accompanying persons: € 80

General Information

Satellite Symposia associated with the AnatGes2007 Congress:

Two satellite symposia are associated with the AnatGes2007 Congress, which will take place on Friday, March 30, 2007 from 8:30 to 17:00 in the *Lecture Hall Building* of the Institute for Anatomy and Cell Biology.

- 1) International Meeting of the SFB 547 "Cardiopulmonary Vascular System"

Vascular Signalling Mechanisms in the Cardiopulmonary System

Lectures will be presented in English in the *Great Lecture Hall*

- 2) Satellite Symposium "The Temporomandibular Joint"

Kiefergelenksymposium

Lectures will be presented in German in the *Histology Lecture Hall*

Opening Ceremony, Bargmann Prize, Poster Awards, EFEM Lecture

The *Opening Ceremony* will take place in the *Great Lecture Hall* on Friday, 30th March 2007 at 18:00, in which the Bargmann Prize will be awarded.

Poster Prizes will be awarded 17:15 prior to the EFEM Lecture (17:30) in the Great Lecture Hall on Sunday, 1st April 2007.

Oral Presentations

The official congress language is English. All presentations and talks will therefore be held in English. We would ask all participants to keep to the designated time of 10 mins plus 5 mins discussion. Audio-visual equipment (Windows PC with CD-ROM drive / USB-port and video beamer) is installed in the lecture hall. Presentation software is Windows Power Point. Speakers are asked to hand in their presentations to the attendant in advance. Please do not bring your own notebook / laptop.

General Information

Abstracts

Abstracts of all submitted contributions will be published online on the *AnatGes2007* homepage (<http://www.anatges2007.de>) and on homepage of the Anatomische Gesellschaft (<http://www.anatomische-gesellschaft.de>) as pdf-files.

Poster Sessions

Posters will be presented in two exhibition halls, adjacent to the main lecture hall. Thumbtacks for poster mounting will be available from the poster assistant. Please mount your posters in the mornings of the respective poster sessions and remove them immediately thereafter.

Maximum poster size is: 145 cm height x 95 cm width

Posters will be evaluated during the two poster sessions on Saturday, March 31st and Sunday, April 1st 2007 by a committee of referees (poster prize commission - as has already been done in Würzburg 2006).

First authors of **the** three most excellent posters will be honored with poster prizes:

- 1) 500 €, 2) 400 € and 3) 300 €

plus an official certificate from the Anatomische Gesellschaft

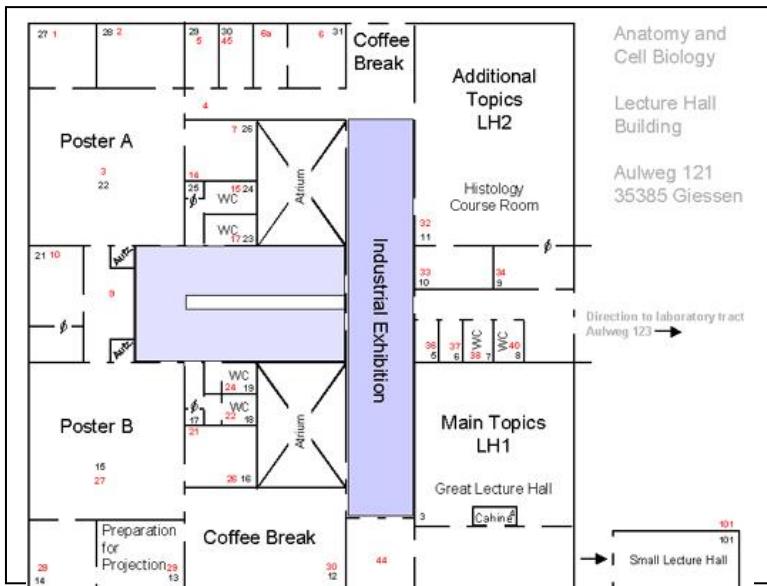
Poster Awards:

Sunday, April 1st 2007, 17:15 before the EFEM-lecture, *Great Lecture Hall*.

General Information

Lecture Halls

The presentations of the *AnatGes2007* Congress will be held in the main lecture halls of the Institute for Anatomy and Cell Biology. Lectures of main topics 1 and 2 will take place in the *Great Lecture Hall LH1*, those of the parallel afternoon *AnatGes2007* Workshops in the *Histology Lecture Hall LH2* in the same building.



Coffee and Lunch Breaks

Coffee as well as soup and finger food for lunch will be served in the lecture hall building between sessions.

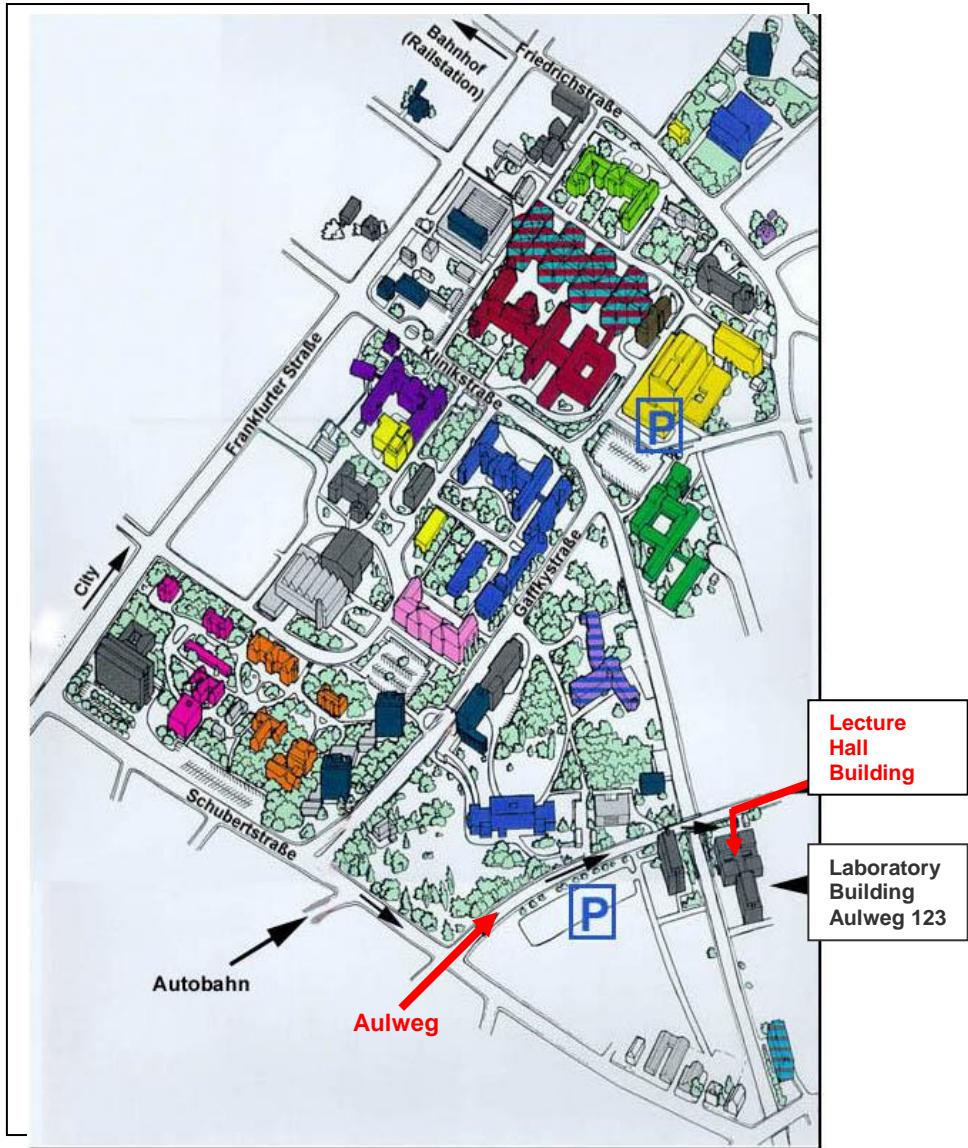
Industrial Exhibition

The exhibitions are located in the "Foyer" of the Institute for Anatomy and Cell Biology and will be open throughout the meeting.

Organisational Notices

Map of the JLU Medical Campus

The *Institute for Anatomy and Cell Biology* is located at the end of the campus and close to the *Natural Sciences Campus* (see under parking).



Parking and Public Transport

There are only few car parks available around the Institute for Anatomy and Cell Biology (14). From there the way to the lecture halls will be signposted. More car parks are available nearby at the *Campus of Natural Sciences*, Heinrich-Buff-Ring (5). The Institute is also merely 10 walking minutes from the main railway station and can easily be reached on foot from there.



Bus Transport

Direct bus transport is only available from the town center via bus lines 3 (towards „Schwarzacker“) and 13 (towards „Dialysezentrum“) to „Ludwig-Uhland Schule“.

Getting to Giessen

By Plane via Frankfurt

Frankfurt is one of the largest, if not the largest, airports in Europe. There are two terminals (1 & 2). Both have foreign as well as domestic flights. A shuttle train connects the two terminals. After arriving and going through customs and obtaining your baggage if you want to come to Giessen with the train:

1. Go to Terminal 1 lower level B (arrivals = Ankunft). Here, you can buy a ticket for Giessen at one of the travel agents (one way = einfach). Or use the ticket machine (Automat) (see below). If you don't have any German money get it at this level at one of the Change Bureaus (Geldwechsel).
 2. Take the escalator down to the next level (DB); here you will find the Automat for a ticket.
 3. Go to GLEIS 1 (Platform 1); the trains come every 15 to 20 minutes. The third stop is Frankfurter Hauptbahnhof (main station). You will probably be in the underground, if so, then
 4. Follow the crowd up two flights of stairs to the main train station.
 5. Look at one of the posted boards for departures (Abfahrt) for a train to Giessen. Trains are relatively frequent during commuter times. A fast one (RE or IR) will only stop in Friedberg and then Giessen.
 6. From the train station in Giessen it takes you 5 min. by foot: Outside the train station turn right and cross the tracks to reach "Friedrichstrasse". Go straight ahead, cross "Frankfurter Strasse" and you enter the clinics area.
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By Car

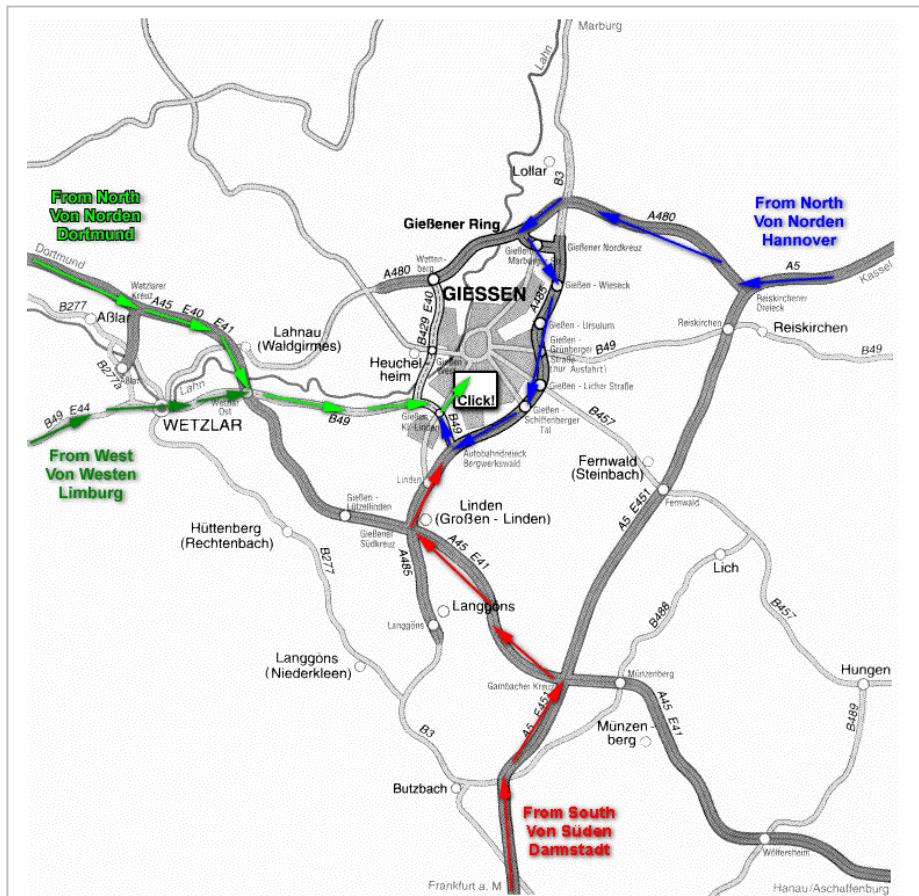
From (**south**) Frankfurt on the autobahn A5 direction KASSEL and HANNOVER. At the Gambacher Kreuz follow signs to Giessen (direction Dortmund). Take the exit Giessen (Giessener Ring). Once on the *Ring* simply follow the marks UNI-KLINIKUM and you will be guided by traffic signs. Use car park at *Natural Science Campus*.

From (**north**) Hannover on the autobahn A5 direction FRANKFURT. Take the exit marked Giessen and the Giessener Ring. Follow this until it branches and take the left south branch of the *Ring* (marked direction FRANKFURT). Keep on the *Ring* and go off to the right marked UNI-KLINIKUM (don't go toward Frankfurt or Linden now). Take the exit marked Uni-Klinikum. Use car park at *Natural Science Campus*.

Organisational Notices

From (**west**) Limburg/Wetzlar (not an autobahn). Approaching Giessen: Giessen Ring goes off to the right. You go straight ahead which brings you onto another branch of the *Ring*. The first exit is UNI-KLINIKUM. Use car park at *Natural Science Campus*.

From (**north**) Dortmund on the autobahn A45 direction FRANKFURT. Take the exit marked GIESSEN, and go off to the right marked UNI-KLINIKUM (don't go toward Frankfurt or Linden now). Take again the exit marked UNI-KLINIKUM. Use car park at *Natural Science Campus*.



Organisational Notices

Hotel Reservation

Please book your hotel room with the help of the *Tourist Information Gießen*, since they are managing the contingents of hotel rooms for the AnatGes2007 congress.

Tourist Information Gießen - a service of the Stadthallen GmbH - Berliner Platz 2 (Kongresshalle) 35390 Gießen, Germany

Tel.: +49-(0)641 - 9751160 Fax: +49-(0)641 - 9751161

E-Mail: tourist-info@giessen.de ; Internet: www.giessen-tourist.de

Opening Hours:

Monday - Friday 9.00 am – 6.00 pm Saturday 10.00 am – 2.00 pm

Please book your hotel rooms as soon as possible, since our congress is also hosting two satellite symposia.

Social Program

Saturday, March 30, April, 09:00

Historical Tour of Giessen

Visit Giessen city under special historical aspects. Included is also a walk to the “Marktlauben” at the *City Market* near the two castles of Giessen.

Price: 5.- €

Sunday, April 1, 2007, 09:00

Culture and landscape of Giessen and the Wetterau –

From Celts, Romans and Hohenstaufen Dynasty to the present

Guided tour of multiple historical tourist attractions around Giessen including the upper german **limes** (<http://www.taunus-wetterau-limes.de/>),

castle Münzenberg (<http://www.muenzenberg.de/geschichte-burg.html>),

cloister Arnsburg (<http://www.kloster-arnsburg.de/index.htm>),

the town and **museum of Butzbach** (<http://www.stadt-butzbach.de/>,

http://www.stadt-butzbach.de/site/stadtkultur/stadtkultur_museum.htm)

The excursion will be under the scientific guidance of Dr. Wolf, the director of the Museum and City Archive of Butzbach.

Price: approx. 20.- €

Sunday, April 1, 2007, 20:00

Congress Dinner at Schloss Rauischholzhausen

Castle Rauischholzhausen is one of the most beautiful building complexes of the Justus Liebig University of Giessen. The castle has a beautiful garden in which you may enjoy a small promenade before taking the aperitif in the foyer of “Schloss Rauischholzhausen”.

A bus transfer to the castle is planned from the bus stop in front of the “Lecture Hall Building” of the Institute for Anatomy and Cell Biology after the EFEM Honorary Lecture (18:45), which will bring the participants to the little village “Rauischholzhausen” and its beautiful *Hessian & English* styled castle, situated ca. 30 min from Giessen. Busses will return to Giessen at 22:00, 23:00 and 24:00. Price: 30.-€ / for students: 20.-€

Monday, April 2, 2007

Visit of the “Mathematikum”

Visit the first and only museum for Mathematics in Germany and amuse yourself with “optical tricks” and “mathematical surprises”. Children and adults will have their fun. Price: 6.-€

SPONSORS

Alt Gießen - 35390 Gießen, Westanlage 30-32

Bio-Rad Laboratories GmbH - 80939 München, Heidemannstr. 164

BIOTREND Chemikalien GmbH - 50933 Köln, Im Technologiezentrum Eupener Str. 157

3B Scientific GmbH - 21031 Hamburg, Rudorffweg 8

Carl Zeiss Microimaging GmbH - 37081 Göttingen, Königsallee 9-21

Charles River Laboratories - 97633 Sulzfeld, Sandhofer Weg 7

Elsevier - 80333 München, Karlstraße 45

FST, Fine Science Tools GmbH - 69121 Heidelberg, Im Weiher 12

Improvisation Deutschland - 72070 Tübingen, Vor dem Kreuzberg 17

Integra Biosciences GmbH - 35463 Fernwald, Ruhberg 4

Invitrogen GmbH - 76131 Karlsruhe, Emmy-Noether-Str. 10

Lehmanns Fachbuchhandlung GmbH - 35390 Gießen, Frankfurter Str. 42

Leica Microsystems GmbH - 35578 Wetzlar, Ernst-Leitz-Str. 17-37

Merck Biosciences - 65824 Schwalbach / Ts., Obere Röth 4

Nikon GmbH - 40472 Düsseldorf, Tiefenbroicher Weg 25

Promega GmbH - 68199 Mannheim, Schildkrötstr. 15

Reichert Labtec - 80637 München, Hedwig-Dransfeld-Allee 40

Sartorius AG - 37075 Göttingen, Weender Landstr. 94-108

Sarstedt AG & Co. KG - 51582 Nümbrecht, Rommelsdorfer Straße

Schunk Group - 35450 Heuchelheim, Rodheimer Str. 59

SOMSO Modelle Marcus Sommer - 96450 Coburg, Friedrich-Rückert-Str. 54

W. Vogel GmbH & Co. KG - 35396 Gießen, Marburger Str. 81

Meeting Calender – Scientific Program – Social Program

Day	Hours	Great Lecture Hall LH1	Hours	Histology Lecture Hall LH2	Social Program	
Friday 03/30/07	08:30 - 17:00	International Symposium SFB 547	08:30 - 17:00	The Temporomandibular Joint		
	18:00	Opening Ceremony			18:00 Opening Ceremony LH1 20:00 Get Together LH Building	
Saturday 03/31/07	08:30 - 10:30	MT I, Session I (O1-O5)	08:30 - 10:30		09:00 Guided Historical Gießen Tour	
	11:00 - 12:50	MT I, Session II (O6-O11)	11:00 - 12:50			
	12:50 - 15:30	Poster Session I, Lunch				
	15:30 - 17:35	MT I, Session III (O12-O17)	15:30 - 17:30	MT II Immunobiology (I1-I9)		
	18:00	Business Meeting of the Anatomische Gesellschaft				
Sunday 04/01/07	08:00 - 10:45	MT II, Nucleus, Cytoskeleton (NC1-NC6)	08:00 - 10:45		09:00 Guided historical bus tour: Cultural landscape of Gießen and the Wetterau – from Celts, Romans, and Staufers to the present	
	11:15 - 13:00	MT II, Mitochondria (Mi1-Mi4)	11:15 - 13:00			
	13:00 - 15:30	Poster Session II , Lunch				
	15:30 - 17:15	MT II, Peroxisomes (P1-P4)	15:00 – 17:15	Macroscopy (M1-M6) Developmental Biology (D1-D3)		
	17:15 - 18:30	Poster Awards, EFEM Lecture				
	18:45	Departure to Dinner at Schloß Rauschholzhausen			20:00 Congress Dinner	
Monday 04/02/07	08:00 - 10:45	MT II, ER, Lysosomes, vesicular traffic (Org1-Org6)			09:00 Mathematikum	
	11:15 - 13:00	MT II, Celltype-specific Organelles (Org7-Org10)				
	14:00 - 17:45	Neuroanatomy, Neurobiology (N1-N13)	14:00 - 17:45	Cell Biology (C1-C13)		
	17:45	Closing Session				