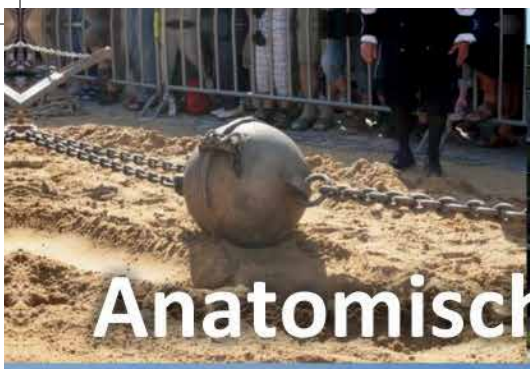

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108th Annual Meeting

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Magdeburg

March 22-25, 2013

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Programme of the 108th Annual Meeting

March 22 – 25, 2013 | Magdeburg, Germany

Main Topic I

Functional Neuroanatomy: Morphology, Behaviour and Genetics

Main Topic II

Morphology and Function of the Mucosal Immune System

Papers and posters from all branches of anatomy

Meeting Place

Otto-von-Guericke-University Magdeburg
Campus Universitätsklinikum, Leipziger Straße 44, 39120 Magdeburg

Opening Ceremony

Friday, **March 22**, 2013 | 18:00
Mensa, Haus 41, Campus Universitätsklinikum

General Assembly

Sunday, **March 24**, 2013 | 16:45 – 18:30
Theoretical Lecture Hall, Haus 28, Campus Universitätsklinikum

Organ Concert

Saturday, **March 23**, 2013 | 18:15
Magdeburg Cathedral

Congress Dinner and Party at the Straßenbahnmuseum

Sunday, **March 24**, 2013 | 19:30

The Meeting is organised in cooperation with
the DFG Collaborative Research Centres SFB 779 and 854

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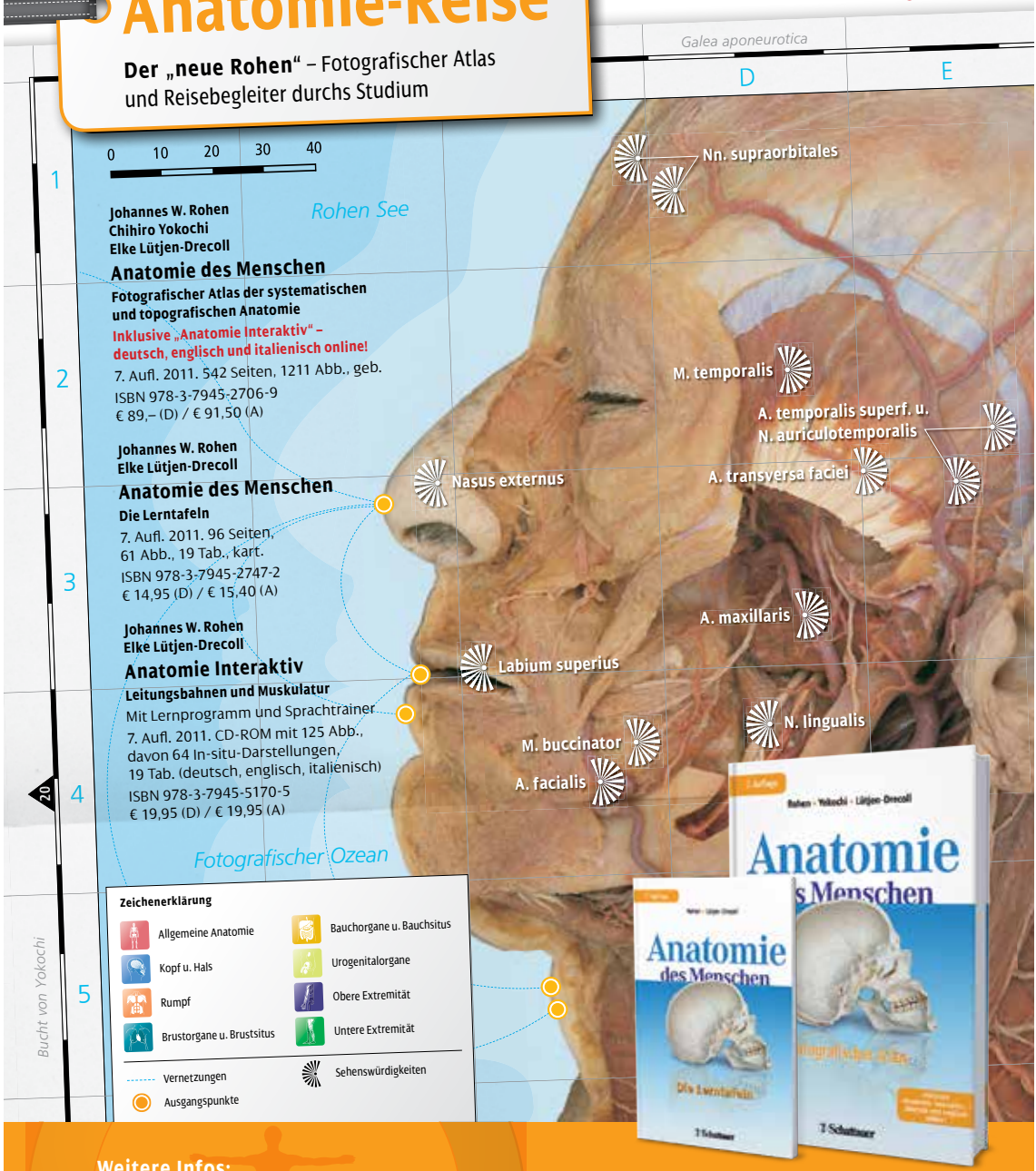

Weitere Infos:
www.rohen-anatomie.de

Schattauer

Opening Ceremony 18:00

Prelude

Big Band of the Otto-von-Guericke-University

Words of Welcome

Prof. Dr. med. Hermann-Josef Rothkötter, Magdeburg
President of the Anatomische Gesellschaft

Prof. Dr. Volkmar Leßmann
Vice Rector of the
Otto-von-Guericke-University Magdeburg

Opening Lecture

Prof. Dr. med. Hermann-Josef Rothkötter, Magdeburg

Intermezzo

Big Band of the Otto-von-Guericke-University

Scientific Award of the Anatomische Gesellschaft

Lecture(s) of Laureate(s)

Finale

Big Band of the Otto-von-Guericke-University

Welcome Reception and Get-Together 20:00

Chair: H. Schwegler, O. Stork

08:30 – 08:40		**Introduction**
08:40 – 09:20	1	**Emrah Düzel, Magdeburg (Germany)** Laminar activity patterns in the human hippocampus and entorhinal cortex related to novelty detection and episodic encoding
09:20 – 10.00	2	**Björn Schott, Magdeburg (Germany)** Genetics of the glutamatergic synapse and the functional neuroanatomy of human memory
10:00 – 10:40	3	**Oliver Stork, Magdeburg (Germany)** Fear memory circuits in amygdala and hippocampus: role(s) of GABAergic interneurons
10:40 – 11:10		COFFEE BREAK
11:10 – 11:50	4	**Stefan Britsch, Ulm (Germany)** Transcriptional control of hippocampal neurogenesis
11:50 – 12:30	5	**Peer Wulf, Kiel (Germany)** Testing the behavioural relevance of GABAergic interneurons in cortical circuits

Saturday, March 23, 2013 — Mensa, Haus 41

Poster Session I/Lunch — 12:30 – 14:30

Poster Session I

Mensa, Haus 41

The posters are arranged based on the topic. In Poster Session I all posters with ***odd*** numbers will be presented by the authors.

Saturday, March 23, 2013 — Theoretical Lecture Hall, Haus 28

Main Topic I — 14:30 – 17:00

Chair: H. Korf

14:30 – 14:45	6	**Tasler M.,Lepzien R.,Schmitt O.,Wree A.,Haas S., Rostock (Germany):** Characterization of tyrosine hydroxylase mRNA-expressing neurons in the dopamine depleted mouse striatum
14:45 – 15:00	7	**Nullmeier S., Panther P., Kröber A., Wolf R., Schwegler H., Magdeburg and Bochum (Germany):** Differences in social behavior, prepulse inhibition, dopaminergic and serotonergic hippocampal fiber density of CPB-K mice compared to BALB/cJ mice
15:00 – 15:15	8	**Simon R., Baumann L., Fischer J., Seigfried F., Andratschke J., Schwegler H. , Britsch S., Ulm and Magdeburg (Germany):** The role of Bcl11b/Ctip2 in the adult hippocampus
15:15 – 15:30	9	**Kuhla A., Lange S., Holzmann C., Vollmar B., Wree A., Rostock (Germany):** Mice calorie restricted for 74 weeks show better spatial learning than ad lib-fed mice

15:30 – 15:45	10	**Wicht H., Korf H., Ekhart D., Pfeffer M., Frankfurt (Germany):** Mice, melatonin and the maintenance of chronotypes
15:45 – 16:00		COFFEE BREAK
		Chair: E. Asan
16:00 – 16:15	11	**Chai X., Fan l., Shao H., Zhao S., Frotscher M., Hamburg (Germany) and Lanzhou (China):** Polarization and positioning of cortical neurons critically depend on cofilin
16:15 – 16:30	12	**Wagener R., Staiger J., Göttingen (Germany):** Wiring up sensory neocortex under conditions of massive cellular disorganization: does the thalamus find its ectopic target cells in reeler mutant mice?
16:30 – 16:45	13	**Sultan, F., Tübingen (Germany):** Unravelling cerebellar pathways with high temporal precision targeting motor and extensive sensory and parietal networks
16:45 – 17:00	14	**Haque Z., Pu Q., Huang R., Bonn (Germany):** Plexin A2 and neuropilin 2 signalling are involved in the axonal guidance of cranial nerves

18:15

Organ Concert

Magdeburg Cathedral - Magdeburger Dom

Breiter Weg/Domplatz

Chair: F. Paulsen

14:30 – 14:45	15	**Hartlieb E., Vigh B., Spindler V., Waschke J., Munich (Germany):** Desmoglein 2 is less important for cell cohesion in keratinocytes compared to intestinal epithelial cells
14:45 – 15:00	16	**Rötzer V., Waschke J., Spindler V., Munich (Germany):** Pemphigus and the actin cytoskeleton – role of adducin and Rhoa
15:00 – 15:15	17	**Mutig K., Borschewski A., Willnow T., Dathe C., Paliege A., Ferreri N., Bachmann S., Berlin (Germany) and New York (USA):** Sorting protein-related receptor sorla facilitates degradation of calcineurin and thereby promotes phosphorylation of renal Na^+-K^+-2Cl- cotransporter
15:15 – 15:30	18	**Wruck C., Streetz K., Fragoulis A., Schenkel J., Herzog M., Pufe T., Aachen (Germany):** Nrf2 loss promotes liver cancer after ddc administration to mice
15:30 – 15:45	19	**Schicht M., Rausch F., Übel C., Mousset S., Finotto S., Brandt W., Paulsen F., Bräuer L., Erlangen-Nürnberg and Halle (Germany) :** „SP-H“, a putative new immunological and surface-regulatory lung surfactant protein – tissue localization, functional analysis and 3D structure
15:45 – 16:00		COFFEE BREAK

Chair: H. Kielstein

16:00 – 16:15	20	**Kolokowsky S., Langguth F., Kielstein H., Jäger K., Halle (Germany):** The concentration of urea in tear liquid at patients with diabetes and keratoconjunctivitis sicca as possible consequence of an endothelial impairment

16:15 – 16:30	21	**Cotofana S., Wirth W., Olivier B., Eckstein F., Salzburg (Austria) and Indianapolis (USA):** Is the change in cartilage thickness in the femorotibial joint related to severity of contra-lateral radiographic knee status? -1-year data from the osteoarthritis initiative
16:30 – 16:45	22	**Ruhdorfer A., Wirth W., Hitzl W., Eckstein F., Salzburg (Austria):** Thigh muscle strength in knee osteoarthritis is strongly determined by pain but not by radiographic stage - data from the osteoarthritis initiative
16:45 – 17:00	23	**Grosse-Buening S., Wree A., Ulfig N., Rostock (Germany):** Morphometric features and the bending angle of the human supraspinatus tendon

18:15

Organ Concert

Magdeburg Cathedral - Magdeburger Dom

Breiter Weg/Domplatz

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Sunday, March 24, 2013 — Theoretical Lecture Hall, Haus 28

Main Topic II — 09:00 – 12:30

Chair: H.J. Rothkötter, J.P. Lallès

09:00 – 9.45	24	**Jean-Paul Lallès, Rennes (France)** Antigens in the food - candidates and their uptake
9:45 – 10:30	25	**Anja Hauser-Hankeln, Berlin (Germany)** Follow the traces of migrating immune cells
10:30 – 11:00		COFFEE BREAK
11:00 – 11:45	26	**Thomas Schüler, Magdeburg (Germany)** The role of Interleukin-7 in the regulation of intestinal homeostasis
11:45 – 12:30	27	**Mick Bailey, Bristol (U.K.)** Meet the antigen in the lamina propria: Dendritic cells and lymphocytes

Sunday, March 24, 2013 — Mensa, Haus 41

Poster Session II/Lunch — 12:30 – 14:30

Poster Session II

Mensa, Haus 41

The posters are arranged based on the topic. In Poster Session II all posters with ***even*** numbers will be presented by the authors.

Chair: M. Bailey - J. Timmermans

14:30 – 15:15	28	**Risto Renkonen, Helsinki (Finland)** Allergens and the mucosa
15:15 – 15:30	29	**Avula L., Buckinx R., Pintelon I., De Winter B., Adriaensen D., Salgado R., Van Nassauw L., Timmermans J., Antwerp and Brussels (Belgium):** Mas-related gene receptor d is expressed in the (inflamed) human and mouse intestine and is implicated in neuroimmune interaction during intestinal inflammation
15:30 – 15:45	30	**Garreis F., Gottschalt M., Jahn J., Wild K., Paulsen F., Erlangen Nürnberg and Halle Wittenberg (Germany):** Role of host-defense peptides in innate immune defense at the ocular surface
15:45 – 16:00	31	**Didilescu A., Rusu M., Pop F., Manoiu V., Jianu A., Valcu M., Bucharest, Galati and Timisoara (Romania):** The mandibular ridge oral mucosa model of stromal influences on the endothelial tip cells
16:00 – 16:15	32	**Fragoulis A., Tohidnezhad M., Rosen C., Pufe T., Wruck C., Aachen (Germany):** Sulforaphane has opposing effects on TNFα stimulated and unstimulated synoviocytes
16:15 – 16:30	33	**Stammler A., Konrad L., Müller D., Middendorff R., Giessen (Germany):** Blood-epididymis barrier: immunoregulatory cytokine TGFβ modulates paracellular permeability in the epididymal epithelium
16:30 – 16:45		COFFEE BREAK
16:45		**General Assembly** Anatomische Gesellschaft Theoretical Lecture Hall, Haus 28

Chair: E. Tamm

15:15 – 15:30	34	**Müller M., Korf H., Frankfurt/Main (Germany):** X-ray irradiation phase advances the molecular clockwork in subsidiary clocks
15:30 – 15:45	35	**Bachmann S., Saritas T., McCormick J., Ellison D., Delpire E., Mutig K., Berlin (Germany) and Portland and Nashville (USA):** Ste20-like kinase spak differentially regulates Na-(K)-Cl cotransporters along the distal nephron under the endocrine control of AVP
15:45 – 16:00	36	**Fester L., Oh J., Rinn C., Rune G., Hamburg (Germany):** The podocyte cytoskeleton is responsive to estradiol
16:00 – 16:15	37	**Rusu M., Pop F., Folescu R., Maniou S., Didilescu A., Bucharest, Timisoara and Galati (Romania):** The suburothelial interstitial cells in rat - an immunohistochemical and ultrastructural study
16:15 – 16:30	38	**Voigt T., Bern (Switzerland):** A virtual correlative transmission electron microscope
16:30 – 16:45		COFFEE BREAK
16:45		**General Assembly** Anatomische Gesellschaft Theoretical Lecture Hall, Haus 28

Chair: J. Waschke

8:30 – 8:45	39	**von Holst A., Kirsch J., Bertram B., Heidelberg and Bochum (Germany):** Selective functions for the star family proteins SAM68, SLM-1 and SLM-2 in neural stem cells
8:45 – 9:00	40	**Clarner T., Victor M., Goldberg J., Berger K., Beyer C., Kipp M., Aachen (Germany):** Identification of novel mechanisms involved in oligodendrocyte loss during early demyelination
9:00 – 9:15	41	**Stiess M., Nickel W., Bradke F., Mann M., Cambridge S., Basel (Switzerland) and Heidelberg, Bonn, Munich (Germany):** Quantitative, functional analysis of the astrocytic secretome
9:15 – 9:30	42	**Vogel T., Hellbach N., Wahane S., Vezzali R., Freiburg (Germany) :** Foxg1-mediated deficiency of TGFβ signalling impairs endothelial function through an altered neural secretome
9:30 – 9:45	43	**Wilkars W., Han M., Bähring R., Bender R., Hamburg (Germany):** Characterisation of novel HCN1 channel binding proteins
9:45 – 10:00	44	**Engelhardt M., Vorwald S., Hofstettler J., Sobotzik J., Bennett V., Schultz C., Heidelberg (Germany) and Durham (USA):** Structural determination of peripheral somatosensory axon terminals via ankyrin-b, not ankyrin-g
10:00 – 10:15	45	**Tsikolia N., Otto A., Viebahn C., Göttingen (Germany):** Sonic hedgehog signaling for neural tube patterning: where does it come from?

10:15 – 10:30	46	**Li L., Pu Q., Wang Y., Wang J., Huang R., Bonn (Germany) and Lanzhou (China):** BDNF and NGF originating from sensory ganglia promote the outgrowth of cranial motor axons
10:30 – 11:00		COFFEE BREAK
		Chair: F. Nürnberger
11:00 – 11:15	47	**Brunne B., Pahle J., Frotscher M., Bock H., Hamburg and Düsseldorf (Germany) :** Secondary radial glial cells and their role in granule cell positioning in the early postnatal dentate gyrus of reeler mutants and wildtype mice
11:15 – 11:30	48	**Pauza D., Jokubauskas M., Rysevaite K., Saburkina I.: Inokaitis H., Pauziene N., Kaunas (Lithuania):** Occurrence of nerve fibers facilitates discrimination of cardiac conductive myocytes on the level of electron microscope
11:30 – 11:45	49	**Kuerten S., Hundgeburth L., Wunsch M., Rovituso D., Recks M., Addicks K., Cologne (Germany):** The complement system contributes to the pathology of experimental autoimmune encephalomyelitis by triggering demyelination and modifying the antigen-specific T and B cell response
11:45 – 12:00	50	**Brandenburg L., Pscheidl S., Oldekamp S., Jansen S., Tauber S., Pufe T., Aachen (Germany):** Role of formyl peptide receptors in innate immune response after bacterial meningitis
12:00 – 12:15	51	**Drakew A., Maier U., Tippmann A., Frotscher M., Hamburg (Germany):** What a single neuron tells us about synaptic network activity- automated analysis of whole cell current clamp recording

Monday, March 25, 2013 **Theoretical Lecture Hall, Haus 28**

Neurobiology/Development 8:30 – 12:45

12:15 – 12:30	52	**Steinke H., Saito T., Miyaki T., Nawa S., Umemoto K., Miyakawa K., Wakao N., Asamoto K., Nakano T., Leipzig (Germany) and Nagakute (Japan):** Accessing back nerves eased by knowing their homologous structures
12:30 – 12:45	53	**Pu Q., Huang R., Bonn (Germany):** Occipital somites guide motor axons of the accessory nerve in the avian embryo

Monday, March 25, 2013 **Theoretical Lecture Hall, Haus 28**

Closing 13:00

13:00	**Closing Ceremony and Poster Awards** Theoretical Lecture Hall, Haus 28
13:30	LUNCH

Chair: S. Ergün

8:30 – 8:45	54	**Rüb U., Seidel K., Bouzrou M., Stratmann K., Korf H., Frankfurt/Main (Germany):** Degeneration of brainstem nuclei in huntington's disease
8:45 – 9:00	55	**Heimrich B., Wu J., Schwemmle M., Freiburg (Germany):** Borna disease virus-induced neuronal degeneration is dependent on the host genetic background and prevented by soluble factor(s)
9:00 – 9:15	56	**Rosenkranz K., May C., Kumbruch S., Marcus K., Meier C., Bochum and Homburg/Saar (Germany):** Transplantation of human umbilical cord blood cells after perinatal hypoxic-ischemic brain injury – positive effects on neuronal survival, inflammation and glial activation
9:15 – 9:30	57	**Wandernoth P., Mannowetz N., Szczyrba J., Wennemuth G., Homburg/Saar (Germany):** Carbonic anhydrase 2 and 4 are key enzymes in murine sperm motility and fertility
9:30 – 9:45	58	**Schindler M., Penzialek M., Plösch T., Navarrete Santos A., Fischer B., Navarrete Santos A., Halle (Germany) and Groningen (Netherlands):** Maternal diabetes mellitus influences fatty acid metabolism in rabbit preimplantation embryos
9:45 – 10:00	59	**Geyer S., Mohun T., Wilson R., Weninger W., Vienna Austria and London (UK):** A possible mouse model for researching the genesis of the double lumen aortic arch malformation
10:00 – 10:15	60	**Balakrishnan-Renuka A., Böing M., Yusuf F., Patel K., Otto A., Morosan-Puopolo G., Zoidl G., Brand-Saberi B., Bochum (Germany) and Toronto (Canada):** bHLH protein ATOH8 is involved in the adult myogenesis transcriptional network

10:15 – 10:30	61	**Viebahn C., Tsikolia N., Drummer C., Behr R., Göttingen (Germany):** The enigma of the neurenteric canal: the common marmoset monkey (*Callithrix jacchus*) provides a pivotal missing link
10:30 – 11:00		COFFEE BREAK
		Chair: M. Ochs
11:00 – 11:15	62	**Koch M., Rosenhammer B., Koschade S., Braunger B., Volz C., Jägle H., Tamm E., Regensburg (Germany):** Myocilin modulates programmed cell death during retinal development and after retinal damage
11:15 – 11:30	63	**Lange T., Schumacher U., Hamburg (Germany):** Human prostate cancer in a clinically relevant xenograft mouse model: identification of beta(1,6)-branched oligosaccharides as a marker of tumor progression
11:30 – 11:45	64	**Lange T., Schumacher U., Hamburg (Germany):** Trastuzumab has anti-metastatic and anti-angiogenic activity in a spontaneous metastasis xenograft model of esophageal adenocarcinoma
11:45 – 12:00	65	**Schrödl F., Kaser-Eichberger A., Trost A., Strohmaier C., Bogner B., Runge C., Heindl L., Schlereth S., Cursiefen C., Reitsamer H., Salzburg (Austria) and Cologne (Germany):** Vascular and lymphatic markers: time series in human skin and choroid
12:00 – 12:15	66	**Schipke J., Kuhn M., Mühlfeld C., Hannover and Würzburg (Germany):** Increased heart weight in newborn guanylyl cyclase/natriuretic peptide receptor a knockout mice is due to increased number, not size of cardiomyocytes

Monday, March 25, 2013 — Ebbinghaus Room, Leibniz-Institute

Re-/Degeneration - Cell biology — 8:30 – 12:45

12:15 – 12:30	67	**Deckmann K., Krasteva-Christ G., Rafiq A., Filipski K., Bschleifer T., Althaus M., Fronius M., Kummer W., Giessen (Germany):** Chemosensation in urethral cholinergic brush cells
12:30 – 12:45	68	**Rafiq A., Canning B., Hartmann P., Weitz A., Deckmann K., Kummer W., Krasteva-Christ G., Giessen (Germany) and Baltimore (USA):** Bitter chemosensation in the murine trachea

Monday, March 25, 2013 — Theoretical Lecture Hall, Haus 28

Closing — 13:00

13:00	**Closing Ceremony and Poster Awards** Theoretical Lecture Hall, Haus 28
13:30	LUNCH

Posters: Authors and Topics

Poster Session I:	Saturday March 23, 2013	12:30 – 14:30
Poster Session II:	Sunday March 24, 2013	12:30 – 14:30

Main Topic I

P 1 **Maass F., Petersen J., Schmitt O., Witt M., Rolfs A., Wree A., Rostock (Germany):** Combined therapy with cyclodestrin/allopregnanolone and miglustat in NPC1 mutant mouse model influences neuronal numbers and volumes of cerebellar compartments

P 2 **Hanowski T., Lesch T., Knöfel F., Kielstein H., Jäger K., Halle (Germany):** Effect of 5/6 nephrectomy on the expression of hippocampal polyamines in a rodent model of chronic kidney disease

P 3 **Janssen A., Schmeisser M., Bockmann J., Boeckers T., Ulm (Germany):** Expression patterns of ProSAP2/Shank3 isoforms across brain regions of mice and rats

P 4 **Atanasova D., Dimitrov N., Lazarov N., Sofia and Stara Zagora (Bulgaria):** Expression of some neurotrophic factors and their corresponding receptors in the rat carotid body

P 5 **Mehlan J., Brosig H., Hawlitschka A., Schmitt O., Mix E., Benecke R., Wree A., Rostock (Germany):** Intrastriatal botulinum neurotoxin-A injection in rats does not damage striatal cholinergic neurons - a histological and stereological analysis

P 6 **Witt M., Meyer A., Hovakimyan M., Hummel T., Rolfs A., Wree A., Rostock and Dresden (Germany):** Olfactory deficits in Niemann-Pick-disease type C1

P 7 **Halbedl S., Boeckers T., Schmeisser M., Ulm (Germany):** The role of ProSAPs/Shanks in early development of hippocampal neurons

P 8 **Hawlitschka A., Antipova V., Mix E., Schmitt O., Dräger D., Benecke R., Wree A., Rostock (Germany):** Unilateral intrastriatal injections of botulinum neurotoxin-a in the rat model of parkinson's disease affects behavioural and structural parameters

Posters: Authors and Topics

Poster Session I:	Saturday March 23, 2013	12:30 – 14:30
Poster Session II:	Sunday March 24, 2013	12:30 – 14:30

P 9 **Petersen J., Maass F., Hovakimyan M., Holzmann C., Witt M., Lukas J., Rolfs A., Wree A., Rostock (Germany):** Therapy with cyclodextrin/allopregnanolone and miglustat improves motor but not cognitive functions in Niemann-Pick type C1 mutant mice

Main Topic II

P 10 **Rieger J., Janczyk P., Hünigen H., Hirschberg R., Plendl J., Berlin (Germany):** Porcine intestinal and lymphatic tissues under the influence of *Enterococcus faecium* ncimb 10415 and *Salmonella typhimurium*

P 11 **Sheats M., Schicht M., Bohr Ch., de Tristan J., Iro H., Paulsen F., Bräuer L., Erlangen (Germany):** Surfactant proteins of the human larynx

P 12 **Stanek C., Reinhardt N., Diesing A.-K., Nossol C., Kahlert S., Panther P., Rothkötter H.J. Kuester D., Brosig B., Kersten S., Dänicke S., Kluess J., Magdeburg and Braunschweig (Germany):** The pig's chronic oral exposure to deoxynivalenol (DON) partially attenuates acute effects of *E.coli* lipopolysaccharide (LPS) on hepatic morphology and function

P 13 **Diesing A.-K., Nossol C., Ponsuksili S., Wimmers K., Kluess J., Rothkötter H.J., Kahlert S., Magdeburg and Dummerstorf (Germany):** Basolateral application of the mycotoxin Deoxynivalenol on intestinal porcine epithelial cells IPEC-J2 leads to remarkable changes in gene regulation

P 14 **Nossol C., Kahlert S., Faber-Zuschratter H., Kluess, J., Ponsuksili S., Wimmers K., Rothkötter H.J., Diesing A.-K., Magdeburg and Dummerstorf (Germany):** Morphological differentiation and the comparison of two intestinal porcine epithelial cell lines (IPECs) via microarray analysis

Posters: Authors and Topics

Poster Session I:	Saturday March 23, 2013	12:30 – 14:30
Poster Session II:	Sunday March 24, 2013	12:30 – 14:30

P 15 **Nossol C., Diesing A.-K., Schmidt A., Kersten S., Kluess J., Kahlert S., Dänicke S., and Rothkötter H.J., Magdeburg and Braunschweig (Germany):** The fungal toxin Deoxynivalenol induces in combination with LPS an up-regulation of IL-8 in monocyte derived dendritic cells

Methods/Teaching

P 16 **Kipp M., Sobotta F., Brandenburg L., Aachen (Germany):** 3D illustrations in anatomy teaching

P 17 **Schmidt T., Helbig T., Kupper C., Witte H., Ilmenau and Sömmerda (Germany):** A procedure for quantitative description of the anatomy of the ear channel

P 18 **Ilie A., Jianu A., Stana L., Hogea B., Selaru M., Motoc A., Timisoara (Romania):** Cholecystectomy by minilaparotomy: an alternative to laparoscopic cholecystectomy

P 19 **Nöhammer M., Busch C., Maurer B., Dorfmeister K., Geyer S., Weninger W., Vienna (Austria):** High resolution episciopic microscopy (HREM) for visualising dermal blood vessels

P 20 **Fatu C., Moscu M., Iasi (Romania):** Art and anatomical tradition at Museum of Anatomy in Iasi

Gross Anatomy/Clinical Anatomy

P 21 **Didilescu A., Andrei F., Motoc A., Rusu M., Bucharest and Timisoara (Romania):** A 3D cone beam computed tomography study of the styloid process of the temporal bone

P 22 **Alecu S., Bardas A., Bordei P., Iliescu D., Constanta (Romania):** Anatomical peculiarities of the collateral branches of the superior mesenteric artery and their clinical importance

Posters: Authors and Topics

Poster Session I:	Saturday March 23, 2013	12:30 – 14:30
Poster Session II:	Sunday March 24, 2013	12:30 – 14:30

P 23 **Witte H., Andrada E., Ilmenau and Jena (Germany):** Anatomy and mechanics of the human trunk support cranial gaze control

P 24 **Panther P., Hausmann J., Nullmeier S., Büntjen L., Magdeburg (Germany):** Does electric stimulation display the anatomy of the nervus peroneus communis? A comparison of topographical anatomy and motor response

P 25 **Al Aiyan A., Berlin (Germany):** Experiences with alternative fixation methods in veterinary gross anatomy

P 26 **Cotofana S., Wirth W., Eckstein F., Martin H., Lohmander S., Frobell R., Salzburg (Austria) and Lund (Sweden):** Long term follow-up of femoropatellatar cartilage thickness change after acute anterior cruciate ligament tear

P 27 **Motoc A., Sisu A., Petrescu C., Stana L., Ilie C., Moise M., Timisoara (Romania):** Median nerve - entrapment or anatomic variations?

P 28 **Nägerl H., Dumont C., Kubein-Meesenburg D., Fanghänel J., Wachowski M., Göttingen and Regensburg (Germany):** Morphology and operating mode of the distal interphalangeal joints (DIPJ) and the interphalangeal joint of the thumb (IPJT)

P 29 **Dina C., Iliescu D., Bordei P., Ionescu C., Constanta (Romania):** Multiple hepatic veins and hepatic segmentation

P 30 **Fischer K., Breitfeld T., Magdeburg (Germany):** Multiple variations of muscles in the fourth compartment

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P 34 **Motoc A., Pop E., Jianu A., Rusu M., Timisoara and Bucharest (Romania):** The vascular layers on the rostral ventrolateral medulla

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P 43 **Mylius J., Scheich H., Budinger E., Magdeburg (Germany):** Anatomy of subcortical auditory structures in the mongolian gerbil - a golgi-study

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P 46 **Henschke J., Scheich H., Budinger E., Magdeburg (Germany):** Crossmodal thalamocortical and corticocortical connections of primary sensory cortices in the mongolian gerbil

P 47 **Petzold S., Sommer B., Schwegler H., Nitsch R., Vogt J., Roskoden T., Magdeburg and Mainz (Germany):** Deficit in PRG1 gene leads to increased locomotor activity and reduced anxiety related behavior accompanied by morphological changes in mice

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P 51 **Wolf C., Vilimas P., Schäfer K., Haberberger R., Adelaide, (Australia) and Kaiserslautern/Zweibrücken (Germany):** Expression pattern of epigenome modifying enzymes in sensory neurons in response to peripheral inflammation

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P 53 **Wagner N., Dittmann U., Heckmann M., Asan E., Neuser K., Würzburg and Martinsried (Germany):** Impairment of endosome-to-lysosome trafficking and gradual expansion of glutamate receptor fields at the aging Drosophila neuromuscular junction

P 54 **Renninger C., Schwert H., Steinke M., Schmitt A., Asan E., Würzburg (Germany):** Interneuronal subpopulations in the mouse lateral and basolateral amygdala nuclei: studies on serotonin receptor expression and serotonin transporter deficiency

P 55 **Cierlitza M., Kaiserslautern/Zweibrücken (Germany):** miRNA-486 expression and infiltration of macrophages in dorsal root ganglia in response to peripheral nerve injury. Effect of gp130 deletion

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P 60 **Wanger T., Wetzel W., Scheich H., Ohl F., Goldschmidt J., Magdeburg (Germany):** Spatial patterns of neuronal activity in rat cerebral cortex during slow-wave sleep - a thallium uptake study

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P 64 **Kuerten S., Batoulis H., Recks M., Thomalla F., Holland F., Williams R., Addicks K., Cologne (Germany) and London (UK):** Blockade of tnf-α in experimental autoimmune encephalomyelitis reveals differential effects on the antigen-specific immune response and central nervous system histopathology: a possible reason for its failure in MS

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P 66 **Zhang Q., Obal J., Schöniger S., Nürnberger, Frankfurt (Germany) and Hatfield, Herts (UK):** TLR2 and TLR4 in the brain of wistar rat: in vitro studies with LPS and LTA

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P 67 **Pfänder S., Liebau S., Grabrucker A., Böckers T., Ulm (Germany):** Characterization of human ipsc derived neurons of diseased or control donors

P 68 **Pick C., Stein G., Eisel L., Rachida H., Schempf G., With F., Ozsoy O., Ozsoy U., Irintchev A., Angelov D., Koebke J., Cologne and Jena (Germany), Antalya (Turkey):** Effect of compressive spinal cord injury and whole body vibration on the morphology of the rat femur

P 69 **Rusu M., Manoiu S., Mirancea N., Bucharest (Romania):** Glio-neuronal precursors in the adult human trigeminal ganglion participate in the sheaths built-up by satellite glial cells

P 70 **Klingenstein M., Raab S., Pfaender S., Achberger K., Liebau S., Ulm (Germany):** Modeling disease specific induced pluripotent stem cells of patients with developmental defects of the nervous system

P 71 **Grabiec U., Koch M., Dehghani F., Kraft R., Ghadban C., Merkwitz C., Hill K., Halle and Leipzig (Germany):** N-arachidonoyl – dopamine (NADA) is a novel neuroprotective endocannabinoid

P 72 **Lehmann J., Garreis F., Neumann C., Hemmerlein M., Paulsen F., Scholz M., Erlangen (Germany):** Osteopontin (OPN) expression and associated OPN receptor regulation of integrins and CD44 on the RGC5 cell line

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P 74 **Feige J., Zeeh C., Roeber S., Arzberger T., Kretschzmar H., Horn A., München (Germany):** Tau pathology in motoneurons of extraocular muscles in progressive supranuclear palsy (PSP)

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P 79 **Deppe C., Andrei-Selmer C., Hartmann D., Bonn (Germany):** Knockout of the mitochondrial rhomboid protease parl causes sarcopenia via impaired respiratory chain expression

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P 82 **Stoeckelhuber M., Scherer E., Janssen K., Slotta-Huspenina J., Loeffelbein D., Rohleder N., Nieberler M., Hasler R., Kesting M., Munich (Germany):** The human submandibular gland: immunohistochemical analysis of SNAREs and cytoskeletal proteins

P 83 **Hoyer M., Lohan A., Meier C., Breier A., Heinrich G., Rentsch C., Ertel W., Garbe L., Schulze-Tanzil G., Berlin and Dresden (Germany):** Tissue engineering strategies to establish the ligamentous part of the anterior cruciate ligament using biodegradable embroidered scaffolds

P 84 **Rusu M., Vrapciu A., Didilescu A., Voinea L., Bucharest and Galati (Romania):** Uveal interstitial cells in humans

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P 86 **Halacheva V., Viebahn C., Goettingen (Germany):** Bilateral brachyury expression domains after Rho-kinase inhibition in the mammalian embryo

P 87 **Didilescu A., Pop F., Rusu M., Bucharest (Romania):** C-kit positive cells and networks in tooth germs of human midterm fetuses

P 88 **Börner A., Hartmann D., Bonn (Germany):** Defective body wall segmentation caused by PSEN1 deficiency is strictly region – specific and accompanied by impaired PNS development

P 89 **Radu A., Paiusan L., Frandes C., Arad (Romania):** Sirenomelia-case report

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P 91 **Pechriggl E., Bitsche M., Blumer M., Fritsch H., Innsbruck (Austria):** The male urethra: spatiotemporal distribution of molecular markers during its early development

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P 94 **Becker J., Wilting J., Göttingen (Germany):** esVEGFR-2, an endogenous inhibitor of lymphangiogenesis, is expressed in human embryonic tissues and down-regulated in advanced neuroblastoma

P 95 **Jabari S., da Silveira A., Neuhuber W., Brehmer A., Erlangen (Germany) and Gerais (Brazil):** Innervation of the muscularis mucosae (mm) in non-chagasic colon and chagasic megacolon

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P 99 **Moscarino S., Rehberg F., Stein G., Angelova S., Masson I., Wolfsdorff N., Irintchev A., Angelov D., Cologne and Jena (Germany):** Whole-body vibration therapy applied two times daily fails to improve hind limbs motor recovery in spinal cord-injured rats

P 100 **Rehberg F., Moscarino S., Stein G., Angelova S., Masson I., Wolfsdorff N., Irintchev A., Angelov D., Cologne and Jena (Germany):** Whole-body vibration therapy applied two times daily does not alter motoneuron excitability in spinal cord-compression injured rats

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General information

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Congress Venue and Lecture Halls

Otto-von-Guericke-University Magdeburg
Campus Universitätsklinikum, Leipziger Straße 44,
39120 Magdeburg

General information

Meeting Office - Registration Desk

Mensa | Haus 41	
Friday, March 22	12:00 – 18:30
Saturday, March 23	08:00 – 17:30
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Haus 28 | Theoretical Lecture Hall	
Monday, March 25	08:00 – 14:30

Registration Fees

Members of the Anatomische Gesellschaft	160 €
Non-members	220 €
Students	65 €
Lunch buffett, per day	8 €

Oral Presentation

The official congress language is English. We would like to ask all speakers to respect the designated time schedule. If your session is in the morning, please submit your presentation the **preceding evening**. All speakers are kindly asked to provide their presentation as Powerpoint data on an USB-Stick, and to hand it over to the registration desk in the Mensa, Haus 41 at least **one hour** before the beginning of the session. Audio visual equipment (Windows PC with USB-port and video beamer) is installed in the lecture halls. Presentation software is Windows Power Point.

Abstracts

Abstracts of all submitted contributions will be published online on the homepage of the Anatomische Gesellschaft as pdf-files:
http://www.anatomische-gesellschaft.de

Poster Sessions

Posters will be presented in the Mensa, Haus 41. Thumbtacks for poster mounting are available be at the registration desk. Please mount your poster on Saturday, March 23 until 11:00. All posters should be on display throughout the meeting. Poster session I (Saturday, March 23) is dedicated for all posters with odd numbers, Poster session II (Sunday, March 24) is dedicated for all posters with even numbers. Please remove the posters on Sunday, March 24, until 18:00.

General information

Maximum Poster Size is A0

90 x 130 cm portrait format - ***not*** landscape
The poster committee will evaluate the posters for the poster prizes at the time of the authors' presence.

Poster Prize

The Anatomische Gesellschaft awards four poster prizes during the 108th Annual Meeting of the Anatomische Gesellschaft in Magdeburg 2013. The poster awards are kindly sponsored by Elsevier, München/Berlin.

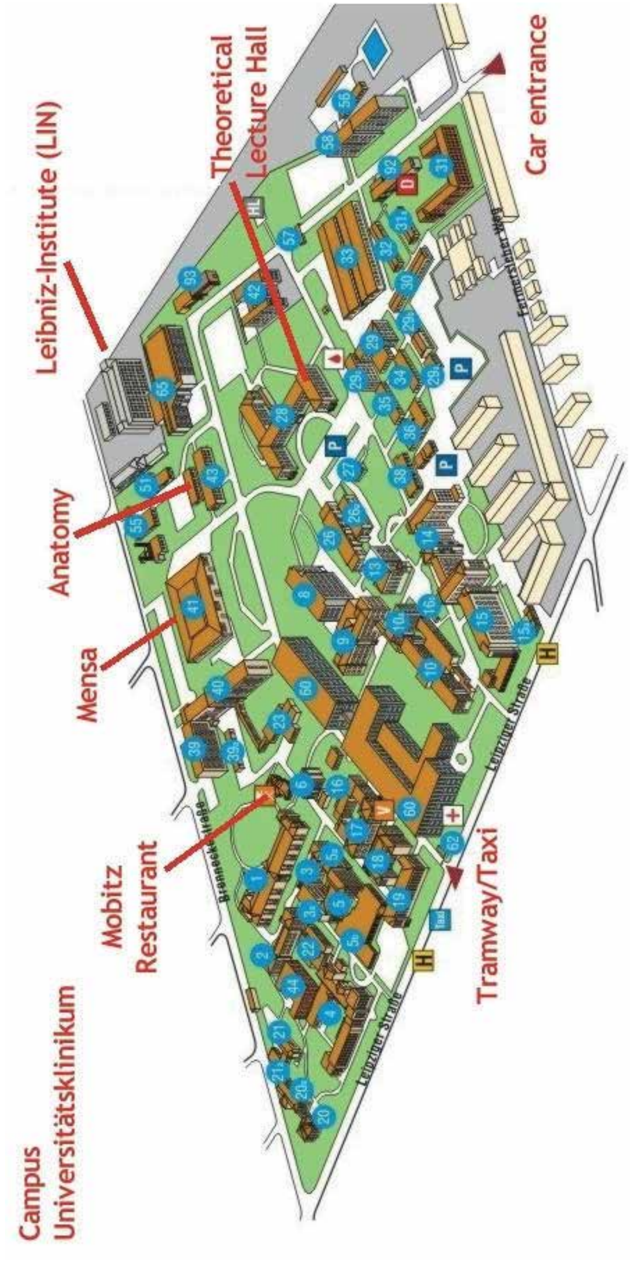
Industrial exhibition

The exhibition is located in the Mensa, Haus 41 and will be open until Sunday, March 24, 16:30.

Coffee Breaks and Lunch

Coffee breaks will be offered close to the Theoretical Lecture Hall, Haus 28 and in the Atrium of the Leibniz-Institute.

Lunch will be offered in the Mensa, Haus 41.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General Assembly (Mitgliederversammlung) of the Anatomische Gesellschaft

Sunday, March 24, 2013, 16:45- 18:30, Theoretical Lecture Hall, Haus 28

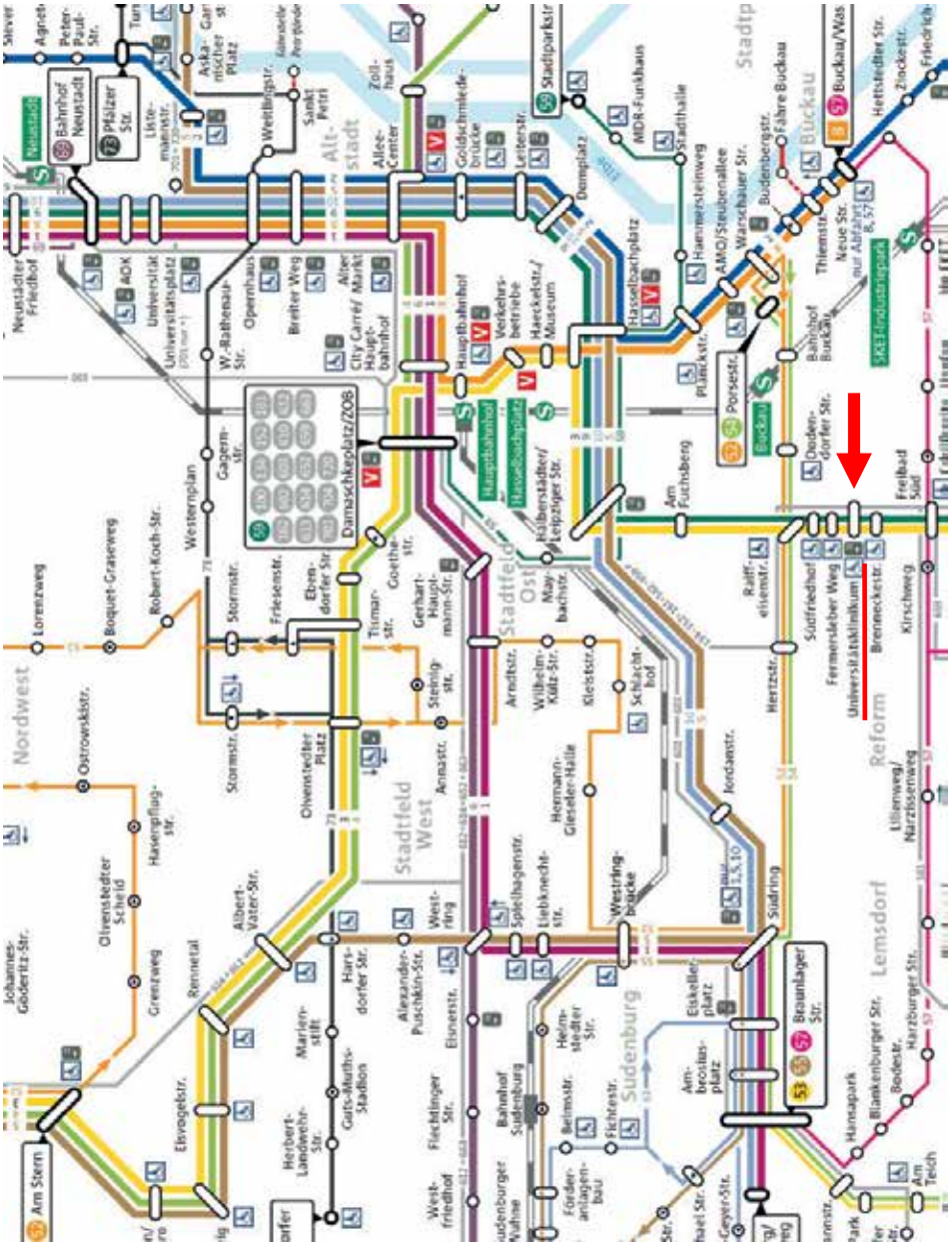
Vorläufige Tagesordnung

1. Begrüßung und Genehmigung der Tagesordnung
2. Bericht des Vorsitzenden
3. Bericht des Schriftführers
4. Wahl der Ethikkommission
5. Weiterbildungsordnung
6. Zukünftige Versammlungen: Einladungen der Anatomischen Gesellschaft (Rostock, Göttingen, Timisoara/Rumänien, München)
7. Verschiedenes

How to reach the Otto-von-Guericke-University, Medical Campus (Universitätsklinikum)

From Magdeburg Main Station

1. Take Tram Line 3 (direction Leipziger Chaussee/Reform) to “Universitätsklinikum”
2. Take Tram Line 8 (direction Buckau) to Hasselbachplatz, then Tram line 3 or line 9 (both direction Leipziger Chaussee/Reform) to “Universitätsklinikum”


Nordwest
Stadtfeld West
Stadtfeld Ost
Alt-stadt
Sudenburg
Lemsdorf
Reform
Buckau
Stadtp
Hauptbahnhof
Damaschkeplatz/ZOB
Westerplan
Gagern-str.
Lorenzweg
Boquet-Graseweg
Robert-Koch-Str.
Ostrowskistr.
Olvenstedter Scheid
Hasenpflug-str.
Johannes-Gderitz-Str.
Greenweg
Ebvogelstr.
Rennetal
Albert-Vater-Str.
Stormstr.
Olvenstedter Platz
Ebendorfer Str.
Friesenstr.
Thimar-str.
Goethe-str.
Gerhart-Haupt-mann-Str.
Steinig-str.
Arndtstr.
Anastr.
Wilhelm-Kulz-Str.
Kleiststr.
Schlacht-hof
Maybachstr.
Halberstädter/Leipziger Str.
Hasselbachplatz
Verkehrs-betriebe
Haeckelstr./Museum
Haupt-bahnhof
City Carré/Haupt-bahnhof
Alter Markt
Breiter Weg
Universitäts-platz
AOK
Neustädter Friedhof
Bahnhof Neustadt
Pfälzer Str.
Liste-maierstr.
Askan-ischer Platz
Wettinstr.
Sankt Petri
Zoll-haus
Alte-Center
Goldschmiede-brücke
Leiterstr.
Stadtparkstr.
Domplatz
MDR-Funkhaus
Stadthalle
Hannemannstr.
AMO/Steubenallee
Warschauer Str.
Budenbergstr.
Fähre Buckau
Thiemstr.
Neue Str.
nur Abf. 6, 57
Hettstedter Str.
Zinckestr.
Friedrich
Porsestr.
Bahnhof Buckau
Budenbergstr.
Am Fuchsberg
Freibad Süd
Ralf-eisenstr.
Südfriedhof
Fermersleber Weg
Universitätsklinikum
Brenneckestr.
Kirschweg
Herrenkrug
Hertzstr.
Kondorstr.
Schlachthof
Heermann-Gieseler-Halle
Liebknechtstr.
Spielhagenstr.
Westring
Westring-brücke
Südring
Alexander-Puschkin-Str.
Elbeallee
Elbeallee-platz
Ambrosius-platz
Bernburger Str.
Ulleweg/Narzissenweg
Harzburger Str.
Blankenburger Str.
Bodestr.
Hansapark
Am Teich
Marien-stift
Gats-Muths-Stadion
Hans-dorfer Str.
Heibert-Landwehr-Str.
Flechtinger Str.
Bahnhof Sudenburg
Helm-stedter Str.
Belmstr.
Fichtestr.
Förder-anlagen-bau
Westfriedhof
Am Stern
Leipziger Str.
Sudenburger Kuhne
Geyer-Str.
Halberstädter Str.
Porsestr.
Buckau
Bahnhof Buckau
Budenbergstr.
Fähre Buckau
Thiemstr.
Neue Str.
Hettstedter Str.
Zinckestr.
Friedrich
Stadtp
Buckau/Was
Industriepark
Freibad Süd
Ralf-eisenstr.
Südfriedhof
Fermersleber Weg
Universitätsklinikum
Brenneckestr.
Kirschweg
Herrenkrug
Hertzstr.
Kondorstr.
Schlachthof
Heermann-Gieseler-Halle
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Sudenburger Kuhne
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By Car

1. From direction Berlin or Hannover

   Leave A2 at exit “Magdeburg Zentrum” and follow the B71/189 direction Halberstadt, leave B71 at exit “Brenneckestraße”, then turn left. At the next crossroads with traffic lights (Brenneckestraße/Leipziger Str) turn left. Take another left turn at the next crossroads with traffic lights (Leipziger Str./Fermersleber Weg). After about 500 m the entrance of Universitätsklinikum is on the left side. Parking on the medical campus is possible for 3,50 € per day.

2. From direction Leipzig

   Leave A14 at exit “Magdeburg Reform”, turn right in direction Magdeburg. At the crossroads with traffic lights turn right into “Ottersleber Chaussee”. After 100m turn left at the traffic lights into “Leipziger Chaussee”. At the crossroads (Leipziger Str./Fermersleber Weg) turn left. After about 500 m the entrance of Universitätsklinikum is on the left side.

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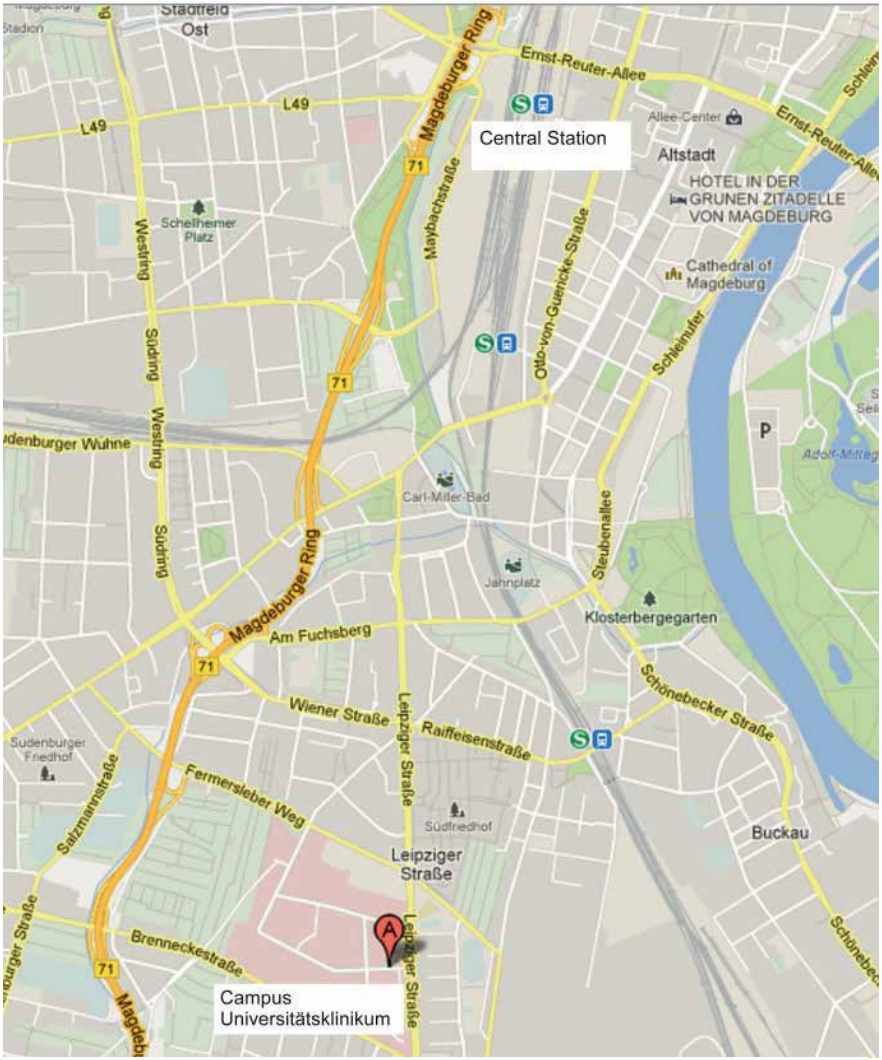
General information

Map of the inner part of the city/route to the “Campus Universitätsklinikum”



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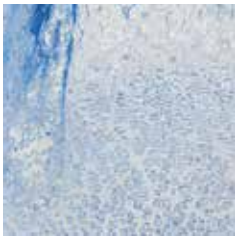
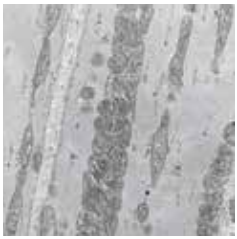




Social Programme

Opening Ceremony and Get-Together Party

Friday, **March 22**, 2013 | 18:00
Mensa, Haus 41, Campus Universitätsklinikum

Organ Concert

Saturday, **March 23**, 2013 | 18:15
Magdeburg Cathedral (Magdeburger Dom)

Walking Concert: Cathedral Organist Barry Jordan plays “Pictures of an Exhibition” by Modest Mussorgsky and “Rhapsody in Blue” by George Gershwin

See: http://www.magdeburgerdommusik.de/

Congress Dinner and Party at the Straßenbahnmuseum

Sunday, **March 24**, 2013 | 19:30

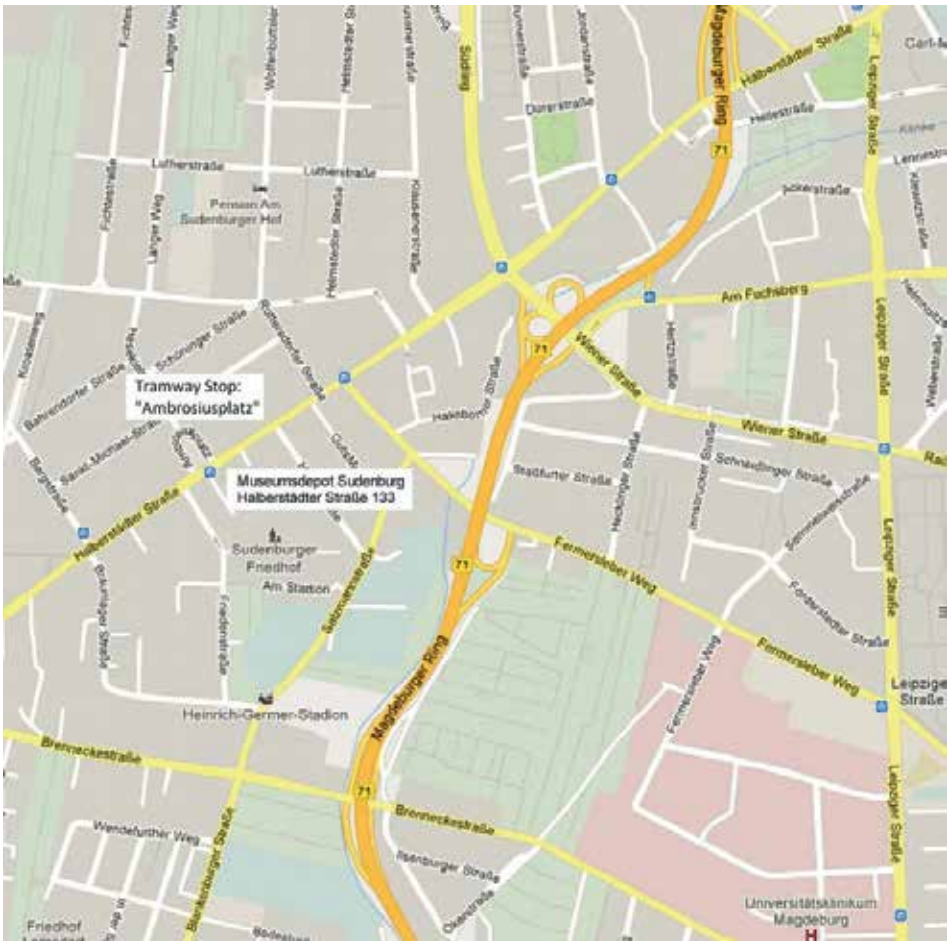
Museumsdepot Sudenburg, Halberstädter Straße 133, 39112 Magdeburg:
Tramway to Halberstädter Straße, change to Line 10, direction Sudenburg,
stop „Ambrosiusplatz“ (see next page)

See: http://www.ignah.net/ignahenglish.html

Ticket: 55 € - food and beverages included
Special Guests: *Dezernat 6* and *Herbert and the Anatomics*

Social Programme

Way to the “Museumsdepot Sudenburg” - Location of the Congress Dinner and Party



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Sarstedt AG & Co., Nürmbrecht

ThermoFisher Scientific, St. Leon-Rot

Sectra Medical Systems GmbH, Köln: Sectra is presenting their products on Friday, March 22, 2013 between 15:00 and 17:00 in the Theoretical Lecture Hall, Haus 28

UFSK, Regensburg

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NOTIZEN

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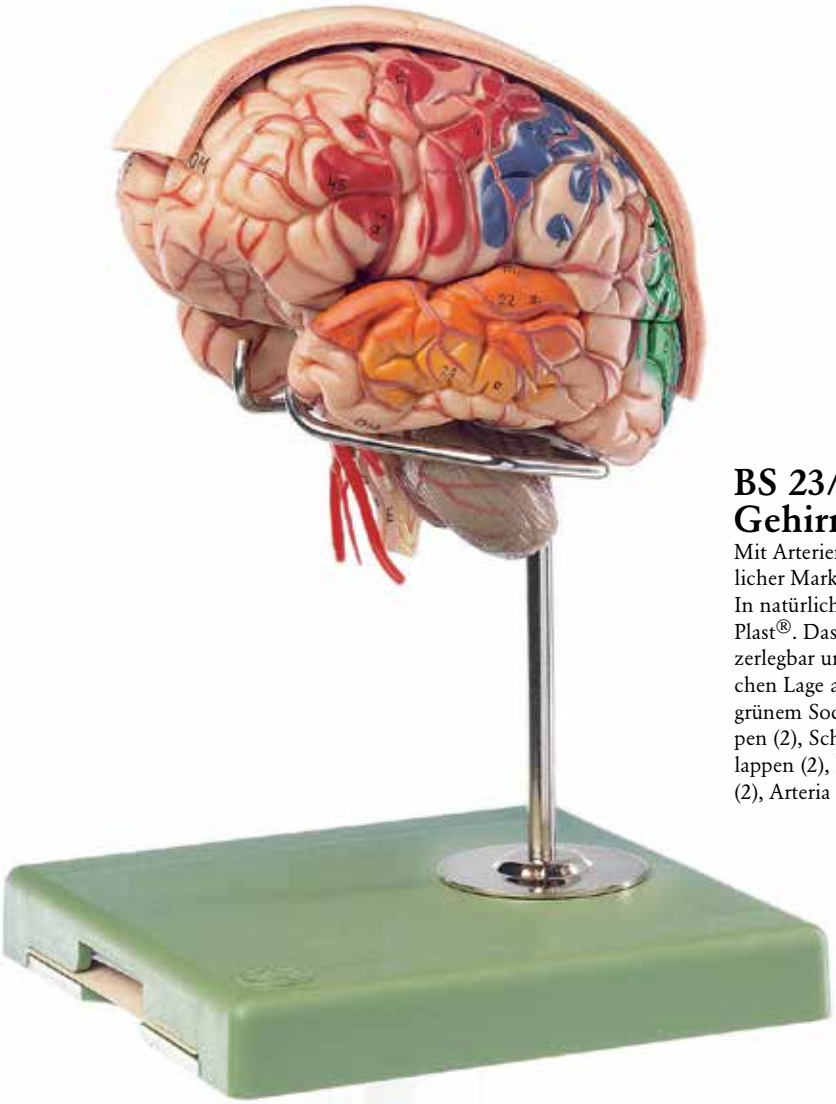
Unser Vorbild ist die Natur



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108th Annual Meeting | Overview

Day	Time	Theoretical Lecture Hall, Haus 28	Time	Ebbinghaus-Room, Leibniz-Institute	Mensa, Haus 41	Social Program
Friday March 22	15:00 - 17:00	Technical Demonstration			18:00: Opening Ceremony 108. Annual Meeting	**20:00** Get-Together Party Mensa, Haus 41
Saturday March 23	08:30 - 12:30 14:30 - 15:45 16:00 - 17:00	Main Topic I Main Topic I Main Topic I	 14:30 - 15:45 16:00 - 17:00	 Cell biology Cell biology	12:30 - 14:30 Poster Session I and LUNCH	**18:15** Organ Concert, Magdeburger Dom
Sunday March 24	09:00 - 13:00 14:30 - 16:30 16:45 - 18:30	Main Topic II Main Topic II General Assembly	 15:15 - 16:30	 Cell biology	12:30 - 14:30 Poster Session II and LUNCH	**19:30** Dinner and Congress Party at the Straßenbahn-Museum
Monday March 25	08:30 - 10:30 11:00 - 12:45 13.00	Neurobiology/ Development Neurobiology/ Development Closing Ceremony	08:30 - 10:30 11:00 - 12:45	Re-/Degeneration - Cell biology Re-/Degeneration - Cell biology	13:30 LUNCH	