ANATOMISCHE GESELLSCHAFT

1886

110th Annual Meeting / 31. Arbeitstagung

September 23 - 25, 2015

Würzburg, Germany

Institute of Anatomy & Cell Biology

Bildquelle: LIVET, Lennart Nilsson

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TAGUNGSORT

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Das Tagungsbüro befindet sich im Institut und ist am Mittwoch, dem 23. September 2015, ab 8:00 Uhr, geöffnet.

Tagungsbeitrag	(bis 09.09.15) (Überweisung)	(ab 10.09.15) (Barzahlung)
Mitglieder der Anatomischen Gesellschaft	€ 50,00	€ 70,00
Nichtmitglieder	€ 60,00	€ 90,00
Studierende	€ 25,00	€ 40,00

Der Tagungsbeitrag in voller Höhe ist auch von jenen Teilnehmern zu entrichten, die lediglich nur für einen Tag nach Würzburg kommen.

ORGANISATORISCHE HINWEISE

PARKEN

Aufgrund der begrenzten Anzahl an Parkplätzen in der Umgebung des Anatomischen Instituts werden die Tagungsteilnehmer gebeten, möglichst **ohne** Auto zur Anmeldung und zu den Sitzungen zu kommen. Das Institut liegt in unmittelbarer Nähe des Bahnhofs und ist von allen Hotels in maximal 15 Gehminuten erreichbar.

REDEZEITEN

Für jeden Vortrag stehen 15 Minuten zur Verfügung, davon sind maximal 10 Minuten für den Vortrag und maximal 5 Minuten für die Diskussion vorgesehen. Im Interesse der planmäßigen Durchführung der Tagung wird gebeten, diese Zeiten einzuhalten.

ORT DER VORTRÄGE

Die Vorträge finden im kleinen Hörsaal des Instituts statt.

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PROJEKTION

Die Vorträge sollen mittels Beamer als Power-Point-Dateien präsentiert werden. Die Vortragenden werden gebeten, ihre Daten auf geeigneten Medien (USB-Stick oder CD) mitzubringen und rechtzeitig vor den entsprechenden Sitzungen im Hörsaal auf den Hörsaalrechner aufspielen zu lassen. Sollten Sie spezielle Fragen haben, wenden Sie sich bitte an Herrn PD Dr. Stefan Hübner in der Würzburger Anatomie, Telefon ++49(0)931 – 31 81311. Das Mitbringen eigener Notebooks zur Vortragspräsentation ist nicht erwünscht.

WISSENSCHAFTLICHE AUSSTELLUNG – POSTER

Für die wissenschaftliche Ausstellung (Posterbeiträge) stehen Hartfaser- und Naturholzplatten (Höhe 150 cm, Breite 135 cm) sowie ausreichend Tischflächen zu Verfügung. Die Befestigung von Postern kann mittels Klebestreifen oder Heftzwecken an den Stellwänden erfolgen.

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Es wird darauf aufmerksam gemacht, dass während unserer Tagungszeit noch andere Veranstaltungen in Würzburg stattfinden. Es empfiehlt sich also, sich umgehend um ein Hotelzimmer zu kümmern.

MAHLZEITEN

Mittagessen kann in einem der zahlreichen Restaurants in der Umgebung des Instituts eingenommen werden. Eine Liste der Restaurants wird mit den Kongressunterlagen bei der Anmeldung in Würzburg ausgehändigt. Getränke, Kuchen und belegte Brötchen werden im Institut angeboten.

ABSTRACTS

Die Kurzfassungen (Abstracts) der eingereichten Beiträge werden auf der Homepage der Anatomischen Gesellschaft (www.anatomische-gesellschaft.de) als pdf-file auf die Seite gestellt, können dort eingesehen werden und werden mit einer DOI-Nummer versehen. Sie sind damit zitierfähig.

ANSCHRIFT DES SCHRIFTFÜHRERS

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Der Schriftführer steht jederzeit gerne für Auskünfte zur Verfügung.

Titelseite:

Festung Marienberg:
von 1253 bis 1719 war die Festung Marienberg die Residenz der Würzburger Fürstbischöfe

Mittwoch, 23. September 2015 **08:15 Uhr**

08:15 – 13:30 Uhr **Symposium: Anatomy is Imaging**

13:40 Uhr **Begrüßung und Eröffnung der 110. Jahrestagung**

13:45 bis 15:30 Uhr **(Vorträge 1-7)**

1 **Al-Sawaf O., Fragoulis A., Pufe T., Wruck C.** *Aachen*
Nrf2 promotes skeletal muscle regeneration

2 **Schwab M., Pieper A., Rudolph S., Wieser G., Unterbarnscheidt T., Yan K., Weege B., Bormuth I., Wadiche J., Goebbels S.** *Hannover, Goettingen and Berlin, Alabama (USA)*
Control of inhibitory circuit formation in the cerebellum by neurod2

3 **Sagar S., Pröls F., Wiegreffe C., Scaal M.** *Cologne and Ulm*
Communication between distant epithelial cells by filopodia-like protrusions during embryonic development

4 **Panichkina O., Sun R., Sen A., Lagleder L., Krahn M.** *Regensburg*
Par-6 regulates apical-basal epithelial polarity by preventing the degradation of Sdt/Pals1

5 **Brunne B., Pahle J., Frotscher M.** *Hamburg*
Role for reelin in adult neurogenesis in the dentate gyrus

6 **Engelhardt M., Grabert J., Patz S., Wirth M., Koenig J., Jamann N., Jack A., Hamad M., di Cristo G., Berardi N., Wahle P.** *Mannheim and Bochum, Montreal|Quebec (Canada), Pisa (Italy)*
The cytokine leukemia inhibitory factor, LIF, impairs cortical neuron development by counteracting neurotrophin signaling

7 **Schwarzacher S., Jungenitz T., Beining M., Radic T., Deller T., Cuntz H., Jedlicka P.** *Frankfurt am Main*
Synaptic integration of adult newborn dentate granule cells in the adult rat brain

– Pause bis 16:15 Uhr **–**

16:15 bis 18:15 Uhr **(Vorträge 8-15)**

8 **Schachtrup C., Ryu JK., Mammadzada K., Khan A., Carlton P., Perez A., Christian F., Le Moan N., Vagena E., Baeza-Raja B., Rafalski V., Chan J., Nitschke R., Houslay M., Ellisman M.H., Wyss-Coray T., Palop J., Akassoglou K.** *Freiburg, San Francisco, San Diego/Gilman Drive, La Jolla, Palo Alto (USA), Kyoto (Japan), Glasgow (UK)*
Nuclear pore complex remodeling by p75ntr cleavage controls TGF-beta signaling and astrocyte functions

9 **Deckmann K., Krasteva-Christ G., Rafiq A., Scholz P., Baumgart S., Bschleipfer T., Kummer W.** *Giessen, Wuerzburg, Bochum and Weiden*
Muscarinic receptors 2 and 5 mediate a negative autocrine feedback mechanism in urethral brush cells activated by bitter stimuli

10 **Savaskan N., Fan Z., Buchfelder M., Broggini T., Stampanoni M., Meyer E., Nitsch R., Yakubov E., Sehm T., Eyüpoglu I.** *Erlangen, Berlin, and Mainz, Zurich (Switzerland)*
Tumor angiogenesis in the limelight: xCT-mediated glutamate signalling takes center stage

11 **Spittau B., Zöller T., Schädler S., Krieglstein K.** *Freiburg*
Age-dependent cellular and molecular changes in the nigrostriatal system

12 **Anstoetz M., Haumann I., Maccaferri G., Luebke J.** *Hamburg and Juelich, Chicago, IL (USA)*
Connectivity of Cajal-Retzius cells in the hippocampus

13 **Cambridge S., Brandhorst E., Hammes H.** *Heidelberg and Mannheim*
Optogenetics in the eye – development of a light-inducible gene therapy for pathological neovascularization

14 **Wagener R., Pielecka-Fortuna J., Löwel S., Staiger J.** *Goettingen*
The disorganized visual cortex in reelin-deficient mice is functional and allows for enhanced plasticity

15 **Jedlicka P., Platschek S., Vuksic M., Cuntz H., Deller T.** *Frankfurt am Main, Zagreb (Croatia)*
A general homeostatic principle following lesion induced dendritic remodeling

– Pause bis 18:45 Uhr **–**

ab 18:45 Uhr **Umtrunk und Postersitzung (Poster 1 - 188)**

Methods / Teaching

1 **Geyer S., Tinhofer I., Hejkrlik W., Lumenta D., Kamolz L., Weninger W.** *Vienna and Graz (Austria)*
Visualising neovascularisation and tissue architecture of skin replacement materials and healing skin wounds

2 **Modlich M., Klischies D., Kipp M., Kohlschein C.** *Aachen and Munich*
Vilip- an innovative literature research platform

3 **Dehnert T., Ort I., Engel C., Andressen C.** *Rostock*
Glycotyping of human neural stem cells and its descendants

4 **Shiozawa T., Banzahf M., Glauben M., Herrmann-Werner A., Giese A., Griewatz J., Hirt B.** *Tuebingen*
Learning medical professionalism in the dissection course - qualitative analysis of a learning portfolio and an accompanying seminar

5 **Kirschneck C., Proff P., Fanghaenel J., Roemer P.** *Regensburg*
Reference genes for valid gene expression studies on rat dental-periodontal tissue by means of RT-qPCR with a focus on orthodontic tooth movement and periodontitis

Gross Anatomy / Clinical Anatomy

6 **Ruhdorfer A., Wirth W., Eckstein F.** *Salzburg (Austria)*
Longitudinal change in thigh muscle strength prior and concurrent to a minimal clinically important worsening or improvement in knee function – Data from the Osteoarthritis Initiative

7 **Eppler E., Mathews S., Burkhard M., Franke I., Bischofsberger H., Harper G., Qureshi F., Bloch H., Haeusler M., Ullrich O., Link K., Ruehli F.** *Erlangen and Magdeburg (Germany), Basel and Zurich (Switzerland), Portsmouth (UK), Friuli (Italy)*
The glenoid joint revisited: clinical anatomy and pathology explored by dissection

8 **Lang A., Ludwig M., Wrede T., Brucker P., Gasse H.** *Hannover*
Three-dimensional morphometrical investigation of the neurocranium of horses

9 **Steidle-Kloc E., Doerrenberg J., Wirth W., Ruhdorfer A., Eckstein F.** *Salzburg (Austria)*
Knee pain is not related to alterations in the morphology or MRI signal of the infra-patellar fat pad (IPFP) - a within-person and between-person analysis using data from the osteoarthritis initiative (OAI)

10 **Kroll A., Lang A., Gasse H.** *Hannover*
The arterial blood vessels supplying the larynx of the minipig: gross anatomical and SEM study with special regard to the glottis

11 **Barbian A., Brzoska P., Malenica D., Barbian B., Filler T.** *Duesseldorf*
Applying CRM standards to body donation management in a modern clinical anatomy

12 **Reissig L., Meng S., Tzou C., Meng K., Grisold W., Weninger W.** *Vienna (Austria)*
Accessing the hypoglossal nerve with ultrasound - Visualizing the topology in body donators and healthy volunteers and diagnosing pathologies in a clinical setting

13 **Moriggl B.** *Innsbruck (Austria)*
Ultrasound evaluation of an underestimated structure: the bicipital aponeurosis (BA)

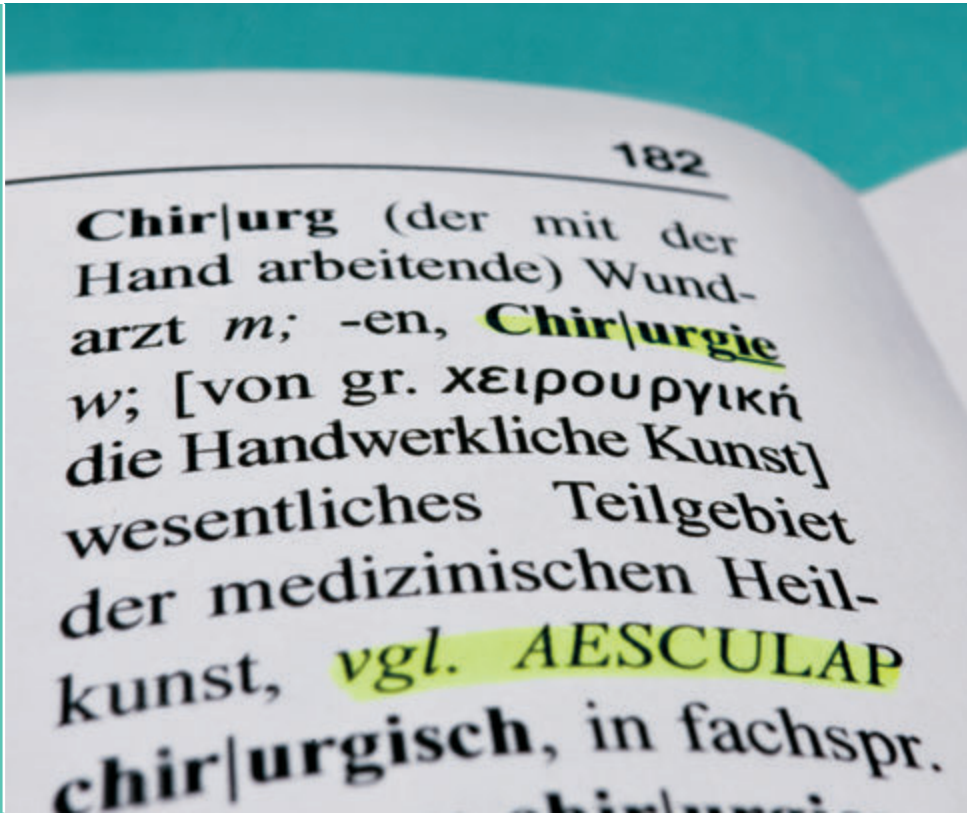
14 **Moebius R., Hammer N., Gries A., Hossfeld B., Bechmann I., Bernhard M.** *Leipzig and Ulm*
Comparison of the fluid resuscitation rate with and without external pressure using two intraosseous infusion systems for adult emergencies

15 **Motoc A., Ilie A., Jianu A., Stana L., Moise L., Folescu R., Ferencsik-Moldovan T.** *Timisoara (Romania)*
The role of ehcographic measurements in determining the conversion from minicholecystoctectomy to classical cholecystectomy

16 **Stofferin H., Zimmermann R., Kuenzel K.** *Innsbruck (Austria)*
Minimally invasive approach to the iliac crest - functional and aesthetic outcome

17 **Ilie A., Jianu A., Stana L., Motoc A., Daescu E., Selaru M., Vilceanu A.** *Timisoara (Romania)*
Patient-satisfaction regarding the aesthetic aspect according to the type of cholecystectomy

18 **Tinhofer I., Reissig L., Weninger W., Grisold W., Meng S.** *Vienna (Austria)*
Ultrasound and anatomical correlation of the radial nerve at the arcade of Frohse



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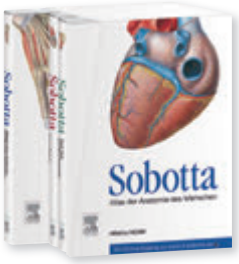

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19 **Didilescu A., Sandulescu M., Rusu M.** *Bukarest (Romania)*
The buccolingual topography of the mandibular canal

20 **Haenssgen K., Herrmann G.** *Bern (Switzerland)*
The innervation pattern of the crural diaphragm

21 **Motoc A., Sisu A., Ilie A., Jianu A., Moise L., Stana L.** *Timisoara (Romania)*
Progesterone and estrogen receptors expression in ductal carcinomas

22 **Hoermann R., Brenner E., Moriggl B.,Kuenzel K.** *Innsbruck (Austria)*
The pleural cupula and its ligamentous connections – patterns/drawings in literature compared with fresh cadavers

23 **Folescu R., Sisu A., Ilie C., Grigoras M., Haivas C., Petrescu C., Zamfir C., Motoc A.** *Timisoara and Lassy (Romania)*
Clinical and echographically correlations in a simple transposition of greater vessels

24 **Fanghaenel J., Hoesl H., Proff P., Roemer P., Matussek J., Grifka J., Kirschneck C.** *Regensburg and Bad Abbach*
Idiopathic scoliosis – a clinical study to evaluate cross-relations with the stomatognathic system

25 **Claassen H., Schmitt O., Schulze M., Wree A.** *Halle (Saale) and Rostock*
Variations of the deep femoral artery and the circumflex femoral arteries with respect to the branches of the femoral nerve

26 **Nimtschke U., Vollmer R., Schwab W.** *Dresden and Wissen*
Morphological and histological aspects of the premaxilla

27 **Ortug A., Uzel M.** *Istanbul (Turkey)*
Determination of location, number and shape of the greater palatine foramen in adult Anatolian population

28 **Kopuz C., Ortug G., Ortug A.** *Samsun and Istanbul (Turkey)*
Morphological variations of the superior cornu of thyroid cartilage in Anatolian population

29 **Khayrullin R., Safiullina A.** *Ulyanovsk (Russian Federation)*
The frequency of forms of the talus in modern Russians population

30 **Sertel S., Bamaç B., Duran B., Çolak T., Memişoğlu K.** *Bolu and Kocaeli (Turkey)*
Effect of surgical and natural menopause on proximal femur morphometry in obese women

31 **Wozniak S., Woyton M., Porwolik M., Pula B., Gworys B.** *Wroclaw and Warszawa (Poland), Bodmin (UK)*
Anatomy of sigmoid colon - clinical and endoscopical view

32 **Bamaç B., Çolak T., Ceylan ., Kurnaz S., Gundogmus U., Uzun I.** *Kocaeli and Istanbul (Turkey)*
Evaluation of the median sacral artery in 30 cadaveric specimens

33 **Cotofana S., Pretterklieber B., Lucius R., Frank K., Haas M., Schenck T., Gleiser C., Weyers I., Wedel T., Pretterklieber M.** *Salzburg and Vienna (Austria), Kiel, Munich, Tübingen and Luebeck (Germany)*
Distribution Patterns of the Superior and the Inferior Labial Artery - Impact for Safe Upper and Lower Lip Augmentation Procedures

34 **Senger M., Hans-Juergen S., Angelov D.** *Cologne (Germany)*
Topography, syntopy and morphology of the human otic ganglion. A cadaver study

35 **Kokozidou M., Zaragatski E., Grommes J., Langer S., Kennes L., Tamm M., Koeppel T.A., Kranz J., Hackhofer T., Arakelyan K., Jacobs M.J., Schurgers L.J.** *Nuernberg, Aachen and Munich (Germany), Maastricht (The Netherlands)*
Warfarin aggravates CKD induced neointimal hyperplasia and calcification in arteriovenous fistulas: The potential role for vitamin K2 to prevent AVF failure

Experimental Morphology

36 **Hejkrlik W., Geyer S., Tinhofer I., Kamolz L., Lumenta D., Weninger W.** *Vienna and Graz (Austria)*
Three dimensional visualization and analysis of the revascularization of skin grafts - a pilot study

37 **Schipke J., Grimm C., Sedej S., Mühlfeld C.** *Hannover, Graz (Austria)*
Cardiomyocyte loss is not involved in the transition from compensated hypertrophy to heart failure induced by pressure overload

Neuroanatomy/Neurobiology

38 **Glomb M., Moron M., Bartelt-Kirbach B., Golenhofen N.** *Ulm*
Protection of the dendritic tree of cultured hippocampal neurons by HspB5/alphaB-crystallin during cellular stress: regulation by phosphorylation

39 **Schneider I., Barnerssoi M., Erichsen J., Messoudi A., Horn A.** *Munich, Cardiff/Wales(United Kingdom)*
Comparative immunohistochemical study regarding the GABAergic innervation of the ciliary ganglion in different vertebrate species

40 **Hayn-Leichsenring G., Lyssenko N., Redies C.** *Jena*
Describing abstract artworks – Term usage and low-level image properties

41 **Ingenwerth M., Estrada V., Stahr A., Müller HW., von Gall C.** *Duesseldorf*
Hsf1-deficiency affects cerebellar calbindin levels and locomotor function

42 **Arndt M., Viotti J., Akula A., Wetzel F., Dresbach T.** *Goettingen*
Mover is a novel calmodulin binding partner that regulates neurotransmitter release

43 **Garcia Pradas L., Sroka A., Gleiser C., Wizenmann A., Wolburg H., Mack A.** *Tuebingen*
Tight junctions in the nerve fiber layer of the fish retina

44 **Wittenmayer N., Kamin D., Ghelani T.** *Goettingen*
Localisation of synaptic proteins at the Golgi apparatus

45 **Horn A., Zeeh C., Lienbacher K.** *Munich*
Extraocular muscles are controlled by at least three neuronal populations in and around the oculomotor nuclei, which differ in their histochemistry and afferent transmitter input

46 **Koschuetzke L., Bertram J., Pfannmoeller J., Esche J., van Diepen L., Kuss A., Bartsch D., Lotze M., von Bohlen und Halbach O.** *Greifswald and Mannheim*
Srgap3 knockout mice display enlarges lateral ventricles, altered hippocampal architecture and are not able to solve the marble burying task

47 **Gaessler S., Wiegreffe C., Liu P., Jenkins N., Copeland N., Britsch S.** *Ulm, Cambridge (UK), Houston, Texas (USA)*
The role of Bcl11A/CTIP1 and Bcl11B/CTIP2 in neocortical development

48 **Gläser A., Wree A., Bräuer A.** *Rostock*
Altered expression of sphingosine-1-phosphate receptor 5 in npc1 mouse brain

49 **Rami A., Niquet J.** *Frankfurt, Los Angeles (USA)*
Accumulation of LAMP-1 in hippocampal mossy fibers accompanying alterations of autophagy dynamics upon seizure-induced injury

50 **Toth L., Szollosi D., Kis Petik K., Kalman M.** *Budapest (Hungary)*
In vivo studies on intact and post-lesion glio-vascular connections: a multiphoton microscope study

51 **Mohapatra N., Tonnesen J., Vlachos A., Kuner T., Deller T., Naegerl V., Santamaria F., Jedlicka P.** *Frankfurt am Main and Heidelberg, Bordeaux (France), San Antonio (USA)*
Spines slow down dendritic chloride diffusion and affect short-term ionic plasticity of GABAergic inhibition

52 **Soi C., Simon R., Schwegler H., Nullmeier S., Copeland N., Jenkins N., Liu P., Britsch S.** *Ulm and Magdeburg, Houston, Texas (USA), Cambridge (UK)*
The role of Bcl11B in postnatal hippocampal mossy fiber development

53 **Storsberg S., Schwegler H., Wernecke K., Vincenz D., Goldschmidt J., Kroeber A., D`Hanis W., Fendt M.** *Magdeburg*
Smells like danger: pradator odor induced innate fear behavior in rats

54 **Landmann J., Richter F., Oros-Peusquens A., Bechmann I.** *Leipzig and Juelich*
Neuroanatomical investigation of sensory cross-activation in mice

55 **Bender R., Zhou L., Keller A., Rune G.** *Hamburg*
Studies on the function of aromatase in basolateral nucleus of amygdala using in vivo and in vitro approaches

56 **Farenholtz J., Endlich N., Blumenthal A., Kroemer H., Endlich K., von Bohlen und Halbach O.** *Greifswald and Goettingen*
Localization of Slc35f1 in the forebrain and in cell culture

57 **Tran J., Schlueter A., Schloss P., Schultz C., Lau T., Engelhardt M.** *Mannheim*
Characterization of the axon initial segment in rodent serotonergic neurons in vitro and in vivo

58 **Nullmeier S., Spilker C., Schumacher A., Yuanxiang P., Rodenstein C., D'Hanis W., Roskoden T., Zenclussen A., Kreutz M., Schwegler H.** *Magdeburg*
Jacob/NSMF knock-out as a mouse model for Kallmann syndrome?

59 **Schlueter A., Rossberger S., Del Turco D., Deller T., Schultz C., Engelhardt M.** *Mannheim, Heidelberg and Frankfurt*
Activity-dependent regulation of the cisternal organelle in the axon initial segment during murine visual system development and visual deprivation

60 **Hacker C., Arumugam G., Videm P., Backofen R., Vogel T.** *Freiburg*
Foxg1 function in postnatal hippocampus and non-classical Rett syndrome

61 **Clarner T., Draheim T., Liessem A., Wilms F., Denecke B., Wruck C., Fragoulis A., Kipp M., Beyer C.** *Aachen and Munich*
Oxidative stress as a co-phenomenon or trigger during the formation of multiple sclerosis lesions

62 **Frintrop L., Seitz J., Liesbrock J., Baumann L., Kas M., Konrad K., Herpertz-Dahlmann B., Beyer C., Tolba R.** *Aachen, Utrecht (Netherlands)*
Brain volume changes in a chronic activity-based anorexia rat model

63 **Homola M., Pfeffer M., Fischer C., Zimmermann H., Robson S.** *Frankfurt am Main, Boston (USA)*
Expression of ectonucleotidases in the prosencephalon of melatonin-proficient C3H and melatonin-deficient C57BLmice: spatial distribution and time-dependent changes

64 **Barnerssoi M., May P., Horn A.** *Munich, Jackson MS (USA)*
An electron microscopic study of the monkey ciliary ganglion with emphasis on the GABAergic afferents

65 **Katgely F., Corcelli C., Toellner K., Schultz C., Engelhardt M.** *Mannheim and Hannover*
Comparison of axon initial segment development and plasticity in experimental models of rat hippocampal status epilepticus

66 **Jamann N., Corcelli C., Schultz C., Engelhardt M.** *Mannheim*
Structural plasticity of the axon initial segment during early development of the mouse somatosensory cortex

67 **Abdulla D., Manthou M., Pavlov S., Jansen R., Stein G., Meyer C., Semler J., Schönau E., Angelov D.** *Cologne, Thessaloniki (Greece), Varna (Bulgaria)*
Synaptic plasticity: a critical window for whole body vibration therapy following spinal cord injury (sc) in rats

68 **Schwarz A., Pick C., Harrach R., Stein G., Meyer C., Schönau E., Semler J., Angelov D.** *Cologne*
Reactions of the rat musculoskeletal system to compressive spinal cord injury and whole body vibration therapy

69 **Barrenschee M., Boettner M., Lange C., Cossais F., Zorenkov D., Deuschl G., Fritscher-Ravens A, Ellrichmann M., Wedel T.** *Kiel*
Enteric phospho-alpha-synuclein expression is increased in patients with Parkinson's disease

70 **Bartelt-Kirbach B., Moron M., Glomb M., Beck C., Weller M., Golenhofen N.** *Ulm*
Hspb5/alphaB-crystallin increases dendritic branching and protects the dendritic tree during cellular stress in cultured rat hippocampal neurons

71 **Vogelaar C., Müller K., Nitsch R.** *Mainz*
Visualization of neuron-intrinsic axonal ribosome transport

72 **Frotscher M., Chai X., Wang S., Zhao S.** *Hamburg*
The magic marginal zone of the cerebral cortex

73 **Koeniger T., Al-zuraiqi Y., Erguen S., Kuerten S.** *Wuerzburg*
The brain vessel wall is a potential source of microglia in health and disease

74 **De Bruyckere E., Simon R., Baumann L., Fischer J., Seigfried F., Schwegler H., Britsch S.** *Ulm and Magdeburg*
The role of Bcl11B in the regulation of adult hippocampal neurogenesis

75 **Maronde E., Bechstein P., Schürmann C.** *Frankfurt*
Comparison of wild type and period-1 mouse vocal tract morphology by Âµ-ct

76 **Bertolessi Lourenco M., Linta L., Liebau S.** *Tuebingen*
iPS cells and neuronal differentiation of patients carrying mutation in a translation initiation factor

77 **Krueger M., Bechmann I., Immig K., Reichenbach A., Hartig W., Michalski D.** *Leipzig*
Characterization of ischemia-induced blood-brain barrier breakdown in various models of experimental stroke

78 **Condurat A., Menon V., Thomas R., Hindley C., Pruszak J.** *Freiburg*
The Hippo/YAP-TAZ signaling pathway in neural stem cell biology

79 **Petkova A., Gödecke N., Korte M., Dresbach T.** *Goettingen and Braunschweig*
Neuroligins and BDNF in synaptic maturation

80 **Park J., Irschick R., Hausott B., Claus P., Klimaschewski L.** *Innsbruck (Austria), Hannover*
Fibroblast growth factor (FGF) and FGF receptor trafficking in human glioma cells

Neuroimmunology

81 **Wiederhold S., Krasteva-Christ G., Kummer W.** *Giessen and Wuerzburg*
A novel cholinergic chemosensory cell in murine conjunctiva

82 **Soultanova A., Panneck A., Rafiq A., Schuetz B., Chubanov V., Gudermann T., Weihe E., Krasteva-Christ G., Mueller-Redetzky H., Witzenrath M., Voigt A., Meyerhof W., Kummer W.** *Giessen, Marburg, Munich, Berlin and Nuthetal*
Chemosensory cholinergic signaling network in the thymic medullary epithelium

83 **Grether N., Bergwelt-Baildon M.S., Wagner N., Kuerten S.** *Cologne and Wuerzburg*
Ultrastructural analysis of ectopic lymphoid organs in mp4-induced experimental autoimmune encephalomyelitis

84 **Seitz R., Gruber R., Meier E., Fuchshofer R., Tamm E.** *Regensburg*
Glial reactivity and its role for retinal ganglion cell loss in glaucoma

85 **Savaskan N., Ghoochani A., Yakubov E., Buchfelder M., Doerfler A., Buccala R., Eyüpoglu I.** *Erlangen, New Haven (USA)*
MIF operates on microglial polarization and facilitates brain angiogenesis

86 **Kress E., Schubert N., Tauber S., Pufe T., Brandenburg L.** *Aachen*
Modulation of formyl peptide receptor activity improved neuroinflammation in a mouse model of pneumococcal meningitis

87 **Rovituso D., Lauer-Schmaltz S., Bayas A., Ulzheimer J., Erguen S., Kürten S.** *Wuerzburg, Augsburg and Bad Mergentheim*
Ceacam1 expression is increased in multiple sclerosis patients treated with natalizumab

88 **Immig K., Gericke M., Menzel F., Merz F., Krueger M., Schiefenhövel F., Hanisch U., Biber K., Bechmann I.** *Leipzig, Goettingen and Freiburg*
CD11c-positive cells from brain, spleen, lung, and liver exhibit site-specific immune phenotypes

89 **Zöller T., Krieglstein K., Spittau B.** *Freiburg*
Effects of microglia-specific transforming growth factor-beta receptor type ii deletion on microglia pheontypes in vitro

90 **Strauss U., Reetz O., Bräuer A., Stadler K.** *Berlin and Rostock, Trondheim (Norway)*
Interferon influences (rodent) neocortical function

91 **Reuss B., Asif A., Schroten H., Ishikawa H., Drummer C., Behr R.** Goettingen and Mannheim, Tokyo (Japan)
Mitochondrial crossreactivity of an antiserum directed to the gram negative bacterium neisseria gonorrhoeae in choroid plexus and liver of the common marmoset monkey (callithrix jacchus)

Neuroregeneration/Neurodegeneration

92 **Engel C., Koehler J., Andressen C.** *Rostock*
Neuronal differentiation of human stem cells by striatal cell-conditioned media

93 **Jaszai J., Rojo Arias J., von Herrmanni F., Kappert V., Economopoulou M., Morawietz H., Chavakis T., Funk R.** *Dresden*
Counteracting microvascular modifications in a murine oxygen-induced vaso-proliferative retinopathy model

94 **Löffler J., Hempel S., Valtink M., Funk R., Ader M., Schroeder C., Knels L.** *Dresden*
Optimizing amyloid beta detection in retinas of a double transgenic Alzheimer´s disease mouse model and of human subjects with dementia

95 **Scheer E., Ozsoy U., Stein G., Meyer C., Pavlov S., Angelov D.** *Cologne, Antalya (Turkey), Varna (Bulgaria)*
Recovery of function of the neurogenic hyperthrophied urinary bladder after spinal cord injury (sci) and whole-body vibration (wbv) therapy in rats is not associated with alterations of the intramural axonal density

96 **Knels L., Loeffler J., Linning P., Pietzsch J., Simons K., Knölker H., Funk R., Schroeder C.** *Dresden*
Influence of a membrane-targeted BACE1 inhibitor (Tri-01) on app processing and cell survival in the retina of an Alzheimer's disease mouse model

97 **Wöhler A., Stein G., Meyer C., Pavlov S., Angelov D.** *Cologne, Varna (Bulgaria)*
Axonal density in the renal cortex after compression spinal cord injury (sci) and whole-body vibration (wbv) therapy

98 **Dillinger A., Mayer M., Schneider M., Weber G., Goeppner C., Tamm E., Shamonin M., Monkman G., Fuchshofer R.** *Regensburg and Berlin*
Reactive changes in murine optic nerve astrocytes are mediated by growth factors and increasing substratum stiffness

99 **Neubert J., Braeuer A., Glumm J.** *Berlin and Rostock*
Interaction of nanoparticles with neurons: a liaison with potential?

100 **Islinger M., Uhl A., Pfarr S., Sommer W., Schultz C.** *Mannheim*
Assessment of long-term effects in the peroxisomal compartment of the nucleus accumbens of ethanol-treated rats

101 **Seidel K., Siswanto S., Fredrich M., Bouzrou M., Brunt E., van Leeuwen F., Kampinga H., Korf H., Rueb U., den Dunnen W.** *Frankfurt am Main, Groningen and Maastricht (Netherlands)*
Polyglutamine aggregation in Huntington's disease and Spinocerebellar Ataxia type 3: similar mechanisms in aggregate formation

102 **Klawitter F., Schmitt O., Hawlitschka A., Cremer M., Zilles K., Wree A.** *Rostock and Juelich*
Densities of acetylcholine receptors in hemiparkinsonian rat striatum following botulinum neurotoxin A injection

103 **Bast B.O., Wilms H., Arnold P., Lucius R., Rickert U.** *Kiel, Lubbock,TX (USA)*
Anti-inflammatory effects of aldosterone on microglia in relation to neurodegenerative diseases

104 **Brandenburg L., Brandt E., Welter J., Samer S., Kress E., Pufe T.** *Aachen*
Reduction of formyl peptide receptors activity decreased inflammation and improved neuropsychological behavior in a mouse model of Alzheimer disease

105 **Becker B., Demirbas M., Beyer C., Kipp M.** *Aachen and Munich*
Effect of intra-striatal 6-ohda lesion on extra-striatal structures in the mouse

106 **Johann S., Heitzer M., Kanagaratnam M., Goswami A., Weis J., Troost D., Beyer C.** *Aachen, Amsterdam (Netherlands)*
Inflammasome activation in the SOD1(G93A) mouse model for amyotrophic lateral sclerosis (ALS) and in human ALS patients

107 **Heimke M., Wilms H., Lucius R., Rickert U.** *Kiel, Lubbock,TX (USA)*
The influence of honokiol on microglia and astrocytes

108 **Meyer A., Guenther R., Lehmann S., Brueckmann H., Schmitt O., Wree A., Witt M.** *Rostock*
Regenerative capacity of the olfactory epithelium in Niemann-Pick disease type C1

109 **Hawlitschka A., Eilhard M., Wree A.** *Rostock*
Behavioral characterisation of hemiparkinsonian rats repetitively intrastriatally injected with botulinum neurotoxin-a and analysis of acetylcholine-dependency of prior results

110 **Rickert U., Wilms H., Arnold P., Spreu J., Lucius R.** *Kiel, Lubbock,TX (USA)*
The influence of rasagiline, a clinically effective drug in Parkinson's disease, on microglia and astrocytes in vitro

Cell Biology

111 **Schulze-Tanzil G., Hoyer M., Hahner J., Drechsel N., Breier A., Lohan A., Hinüber C., Meyer M., Heinrich G.** *Nuernberg, Bad Frankenhausen, Berlin, Dresden and Freiberg*
Embroidered collagen-hybrid scaffolds for ligament tissue engineering

112 **Bömmel H., Kleefeldt F., Ghavampour S., Wagner N., Erguen S.** *Wuerzburg*
The role of ceacam1 in endothelial barrier function

113 **Pfeiffer V., Vix P., Tilki D., Erguen S.** *Wuerzburg and Hamburg*
The role of Ceacam1 in lymph node metastasis of prostate cancer

114 **Henke E., Rosow L., Schuetze F., Veitl S., Vorlova S., Wax J., Kuhn A., Roehrig F., Wartenberg M., Rosenwald A., Erguen S.** *Wuerzburg*
Re-transforming the malignant tumor microenvironment to increase therapeutic response in systemic cancer therapy

115 **Rötzer V., Hartlieb E., Winkler J., Walter E., Schlipp A., Sardy M., Spindler V., Waschke J.** *Munich*
Loss of desmoglein 3 promotes p38 MAPK-dependent keratinocyte migration

116 **Kieselmann O., Battefeld A., Stadler K., Singh B., Henneberger C., Zhang P., Aoki J., Chun J., Grantyn R., Nitsch R., Strauss U., Bräuer A.** *Rostock, Mainz and Berlin, Tokyo (Japan), La Jolla (USA)*
Lysophosphatidic acid selectively influences excitatory transmission in the hippocampus

117 **von der Ruhr J., Seid K., Neckel P., Hirt B., Just L.** *Tuebingen*
Culturing in aerosol - a new dimension in cell and tissue culture technology

118 **Rusu M., Vrapciu A., Hostiuc S., Dermengiu D.** *Bukarest (Romania)*
In situ molecular anatomy within the human cardiac stem niche: facts and hypotheses

119 **Huebner A., Wagner N., Erguen S.** *Wuerzburg*
Ceacam1 affects uptake of endothelial-derived microvesicles

120 **Preusse-Prange A., Behrendt P., Haefelein K., Grodzinsky A., Kurz B.** *Kiel, Cambridge (USA)*
Treatment with sodium-selenite as potential protection against the consequences of mechanical injury in bovine joint cartilage

121 **Schenkel J., Fragoulis A., Streetz K., Pufe T., Wruck C.** *Aachen*
Chronic Nrf2 activation in hepatocytes results in tumourigenesis

122 **Schroeder H., Wittmann J., Hampel U., Garreis F., Milczarek A., Schob S., Braeuer L., Paulsen F., Schicht M.** *Erlangen*
Gelsolin affects the differentiation of human corneal fibroblasts into myofibroblasts

123 **Mann J., Förster C., Burek M.** *Wuerzburg*
Anti-inflammatory and barrier-stabilizing effects of anthocyanidins on the brain microvascular endothelial cell line cend

124 **Zhao H., Kohl B., Schulze-Tanzil G.** *Berlin and Nuernberg*
Optimized Human Intervertebral Disc De- and Re-cellularization using Allogeneic Disc Cells or Mesenchymal Stromal Cells

125 **Garreis F., Schroeder A., Abrar D., Hampel U., Fischer M., Paulsen F.** *Erlangen*
In vitro effects of sex hormones and retinoic acid derivates in human meibomian gland epithelial cells

126 **Haefelein K., Preusse-Prange A., Behrendt P., Kurz B.** *Kiel*
Selenite partly inhibits the pro-inflammatory effects of tumor necrosis factor alpha in meniscal tissue

127 **Bernhardt C., Heimann M., Rauschenbach C., Mazurek S., Arnhold S.** *Giessen*
Influence of tensile strain and growth and differentiation factors on extracellular matrix production of mesenchymal stem cells

128 **Schroeder A., Garreis F., Hampel U., Funke S., Paulsen F.** *Erlangen and Mainz*
Changes in gene expression and morphology in a dry eye mouse model

129 **Baulig N., Heimann M., Hanke T., Wenisch S., Arnhold S.** *Giessen and Dresden*
Silica-collagen-nanocomposits and mesenchymal stem cells for bone tissue engineering in the systemic diseased bone

130 **Pryymachuk G., El-Awaad E., Barham M., Pietsch M., Neiss W.** *Cologne*
Tissue fixation disturbs the epitope availability for two anti-angiotensin II receptor type I antibodies in IHC

131 **Buhrmann C., Kraehe P., Goel A., Shakibaei M.** *Munich, Dallas/Texas (USA)*
Modulation of cross talk between cancer stem cells and fibroblasts in tumor microenvironment co-cultures by curcumin

132 **Donau J., Lindemann D., Funk R., Valtink M.** *Dresden*
Short-term stimulation of primary human epithelial cell proliferation by two different transient viral vector systems

133 **Bauer J., Benndorf R., Frantz S., Erguen S.** *Wuerzburg and Halle (Saale)*
The role of isoprostanes in the activation of vascular wall-resident stem cells

134 **Veyhl-Wichmann M., Gorboulev V., Erguen S.** *Wuerzburg*
EGFR-dependent regulation of the human Na^+-D-glucose cotransporter sglt1

135 **Wagner A., Mazurek S., Arnhold S., Wenisch S.** *Giessen*
Extracellular calcium as a modulator of osteogenic differentiation of human mesenchymal stromal cells via connexin 43

136 **Heigl T., Diederichs S., Kloss K., Bergmann C., Pape H-C., Lichte P., Sönmez T., Fischer H., Pufe T., Tohidnezhad M.** *Aachen*
3D-printed strontium doped scaffolds enhance angiogenesis during critical size bone fracture regeneration

137 **Runggaldier D., Neckel P., Wolburg H., Mack A., Hirt B., Gleiser C.** *Tuebingen*
Differential claudin expression in the endolymphatic sac and duct

138 **Krasteva-Christ G., Soultanova A., Schuetz B., Papadakis T., Weiss C., Deckmann K., Chubanov V., Gudermann T., Voigt A., Meyerhof W., Boehm U., Weihe E., Kummer W.** *Wuerzburg, Giessen, Marburg, Munich, Nuthetal and Homburg*
Identification of cholinergic chemosensory cells in mouse tracheal and laryngeal glandular ducts

139 **Pfeil U., Bharathala S., Murtaza G., Mermer P., Boening A., Kummer W.** *Giessen, Linkoping (Sweden), Lahore (Pakistan)*
A valvular adrenomedullin/intermedin/calcitonin gene-related peptide signaling system in the mouse and human heart

140 **Schneider T., Welker P., Licha K., Haag R., Schulze-Tanzil G.** *Berlin and Nuernberg*
Influence of dendritic polyglycerol sulfates on knee osteoarthritis: an experimental study in the rat model

141 **Wagner A., Gleiser C., Garcia Pradas L., Wolburg H., Mack A., Hirt B.** *Tuebingen*
Aqp4 formation into orthogonal arrays of particles is independent from Aqp4 anchoring via the dystrophin-associated protein complex in the rat and human cochlea

142 **Patroi E., Manoiu V., Didilescu A., Rusu M.** Bukarest (Romania)
Heterogeneity in the human adult dental pulp stem niche

143 **Wiesehoefer M., Szczyrba J., Wennemuth G.** *Essen*
Changes in gene expression during neuroendocrine differentiation of PCa cell line LNCAP reveal new microRNA target genes

144 **Vielmuth F., Waschke J., Spindler V.** *Munich*
Pemphigus autoantibodies induce blistering in cultured human conjunctiva

145 **Kugelmann D., Waschke J., Radeva M.** *Munich*
The localization of alpha-adducin phosphorylated at a side typical for PKA is functionally linked with the integrity of endothelial adherens junctions under inflammatory conditions

146 **Kurz B., Luellmann-Rauch R., Tillmann B.** *Kiel*
Carl von Kupffer: pioneer of liver anatomy

147 **Kurz B., Luellmann-Rauch R., Tillmann B.** *Kiel*
Walther Flemming: founder of cytogenetics

148 **Roemer P., Proff P., Kirschneck C.** *Regensburg*
Expression and function of Gpx-1 during endochondral ossification

Developmental Biology

149 **Schindler M., Pendzialek M., Grybel K., Guerke J., Fischer B., Navarrete Santos A.** *Halle (Saale)*
Adiponectin regulates embryonic lipid metabolism in rabbit blastocysts

150 **Balakrishnan-Renuka A., Boeing M., Satya Srirama K., Guettsches A., Otto A., Patel K., Vorgerd M., Brand-Saberi B.** *Bochum, Reading (United Kingdom)*
Investigating the role of atoh8 in developmental myogenesis, regeneration and myopathies

151 **Woersdoerfer P., Frank E., Klaus W.** *Wuerzburg and Bonn*
Connexin-mediated intercellular signalling via gap junctions is required for primitive endoderm formation

152 **Pueschel B., Viebahn C.** *Goettingen*
Sox17 expression in precursors of primordial germ cells in the rabbit embryo

153 **Klingenstein M., Raab S., Achberger K., Kleger A., Liebau S., Linta L.** *Tuebingen and Ulm*
Tbx3 knockdown in somatic cells leads to decreased reprogramming efficiency

154 **Reissig L., Geyer S., Rose J., Mohun T., Wilson R., Adams D., Weninger W.** *Vienna (Austria), London and Camebridge (UK)*
Visualisation of subtle phenotype abnormalities of prenatally lethal mouse embryos produced in the dmdd project

155 **Pieper T., Viebahn C., Tsikolia N.** *Goettingen*
Gastric H^+/K^+-ATPase and Shh signalling during left-right patterning in the chick

156 **Zhu M., Gao X., Soellner C., Hirt B., Wizenmann A.** *Tübingen*
Function of the draxin-netrin interaction in vivo

157 **Raab S., Klingenstein M., Linta L., Liebau S., Kleger A.** *Tuebingen and Ulm*
Reprogramming of human keratinocytes shows mesenchymal-to-epithelial-transition (MET)

Immune Biology

158 **Singer B., Khairnar V., Duhan V., Beauchemin N., Goethert J., Lang P., Lang K.** *Essen and Duesseldorf, Montreal, Quebec (Kanada)*
Ceacam1 induces b-cell survival and is essential for protective antiviral antibody response

159 **Hoffmann F., Berger J., König P.** *Luebeck*
Cd103+ conventional dendritic cells are in contact to a new antigen-uptaking interstitial macrophage-like cell population around the airways

160 **Fragoulis A., Schenkel J., Pufe T., Wruck C.** *Aachen*
Pro-inflammatory stimuli induce Nrf2/are signalling in macrophages mediated by ROS

161 **Mattheis L., Jung J., Kielstein H., Spielmann J.** *Halle (Saale)*
NK cells in postmenopausal breast cancer of obese mice

162 **Brandenberger C., Kling K., Lopez-Rodriguez E., Muehlfeld C.** *Hannover*
Acute lung injury in the aging lung

163 **Hattermann K., Sebens S., Helm O., Mentlein R., Mehdorn H., Held-Feindt J.** Kiel
Comparison of chemokine expression patterns in freshly isolated human glioblastoma-associated macrophages/microglia and in vitro polarized human macrophages

Reproductive Biology

164 **Brehm R., Schumacher V., Schorle H., Nettersheim D., Ngezahayo A., Begandt D., Dilger N., Schnepel N., Gaehle M., Hambruch N., Rode K., Wilhelm J., Kliesch S., Weidner W., Bergmann M., Fink C.** *Hannover, Bonn, Giessen and Muenster, Boston MA (USA)*
Comparative analysis of tight, adherens and gap junctions in the human Sertoli cell line fs1 and the human seminoma like cell line Tcam-2 prior to co-culture experiments

165 **Krings O., Buck V., Flensberg F., Classen-Linke I.** *Aachen*
Extravillous trophoblast invasion in differently polarized endometrial epithelial cell lines

166 **Reckmann A., Mietens A., Middendorff A.** *Giessen*
Nestin expressing progenitor cells are present in the vasculature of the epididymis and regulated during postnatal development and hypoxic exposure

167 **Schumann S., Buck V., Classen-Linke I., Wennemuth G., Gruemmer R.** *Essen and Aachen*
Claudin-3 and -10 show distinct distribution patterns during decidualization and trophoblast invasion

168 **Buck V., Roesing B., Neulen J., Leube R., Classen-Linke I.** *Aachen*
Trophoblast-endometrial interaction in vitro as a model for early human implantation

169 **Kuegler R., Mueller D., Tasch S., Tjahjono Y., Kaschtanow A., Mietens A., Wagenlehner F., Ellem S., Resbridger G., Middendorff R.** *Giessen, Clayton, Victoria (Australia)*
Androgen-dependent regulation of cGMP pathways in a subpopulation of prostatic smooth muscle cells

170 **Klein B., Schuppe H., Weidner W., Kliesch S., Indumathy S., Loveland B., Hedger M., Loveland K., Bergmann M.** *Giessen and Muenster, Clayton and Melbourne (Australia)*
To what extent can human testicular cancer cells actively shape their immunological microenvironment?

171 **Stammler A., Hau T., Bhushan S., Meinhardt A., Jonigk D., Lippmann T., Pilatz A., Schneider-H. I., Middendorff R.** *Giessen and Hannover*
Epididymitis: ascending infection restricted by segmental boundaries

172 **Pleuger C., Fietz D., Hartmann K., Weidner W., Kliesch S., O Bryan M., Dorresteijn A., Bergmann M.** *Giessen and Muenster, Clayton (Australia)*
The testicular expression of katnb1 during human spermatogenesis

173 **Hartmann K., Fietz D., Wapelhorst B., Kliesch S., Weidner W., Bergmann M.** *Giessen and Muenster*
Components of a functional sulfatase pathway are present in the human testis

174 **Heinrich J., Gerber J., Hansmann F., Gasse H., Brehm R.** *Hannover*
Loss of connexin 43 in Sertoli cells and its effect on the expression of claudin-3, -5 and -11 and blood-testis barrier integrity in mice

Pheripheral and vegetative nervous system

175 **Philipp F., Ingenwerth M., Stahr A., Schindler K., Schulz W., von Gall C.** *Duesseldorf*
Uroplakins show a nycthemeral rhythm in mouse urothelium

176 **Mambretti E., Masotte D., Kieffer B., Rittner H., Brack A., Asan E.** *Wuerzburg, Strasbourg cedex (France), Montreal / Quebec(Canada)*
Light- and electron microscopic immunodetection of μ-opioid receptor (MOP) in peripheral nerve

177 **Leuschner S., Cossais F., Barrenschee M., Lange C., Egberts J., Becker T., Boettner M., Wedel T.** *Kiel*
Involvement of enteric glial cells in diverticular disease

178 **Schulz L., Papadakis T., Bodenbenner M., Deckmann K., Kummer W.** *Giessen*
Connectivity of sensory nerve fibers and cholinergic brush cells in the urethral epithelium

179 **Cossais F., Boudaud M., Kermarec L., Durand T., Chevalier J., Neveu I., Naveilhan P., Neunlist M.** *Kiel, Nantes (France)*
Postnatal development of the enteric glial network and modulation by butyrate

180 **Lange C., Barrenschee M., Boettner M., Cossais F., Egberts J., Becker T., Wedel T.** *Kiel*
Decreased expression of snare-complex proteins in diverticulitis and diverticulosis

181 **Jurastow I., Nandigama R., Wiederhold S., Deckmann K., Scholz P., Altmüller J., Reeh P., Kummer W., Krasteva-Christ G.** *Giessen, Wuerzburg, Bochum, Cologne and Erlangen*
Brush cell released acetylcholine induces neurogenic inflammation

182 **Rafiq A., Deckmann K., Papadakis T., Bodenbenner M., Kummer W.** *Giessen*
Innervation of pulmonary trunk in human and mice

Central nervous system/signal transduction and connections

183 **Srikantharajah K., Haberberger R., Schaefer K., Matusica D.** *Kaiserslautern, Adelaide (Australia)*
50B11 dorsal root ganglion cells as a peripheral sensory neuron model for sphingolipid and neurotrophin signalling

184 **Puchert M., Pelkner F., Angelov D., Boltze J., Wagner D., Fluegel A., Streit W., Engele J.** *Leipzig, Cologne and Goettingen, Gainesville, FL (USA)*
CXCR7 is expressed in astrocytes of the diseased CNS

185 **Panther P., Zaele T., Voges J., Kühne M., Heinze H.J., Kupsch A., Nullmeier S.** *Magdeburg*
The effect of electric stimulation of the medial forebrain bundle on prepulse inhibition. A pilot study in Alzheimer´s disease

186 **Brandt N., Fester L., Anstoetz M., Rune G.** *Hamburg*
Sex matters in hippocampal synaptic connectivity

187 **Schlegel G., Horling K., Schulz S., Vierk R., Ullrich K., Santer R., Rune G.** *Hamburg*
Synaptic pruning and microglia in phenylketonuria

188 **Wolloscheck T., Vancura P., Spessert R.** *Mainz*
Evidence for circadian control of energy metabolism in murine retina

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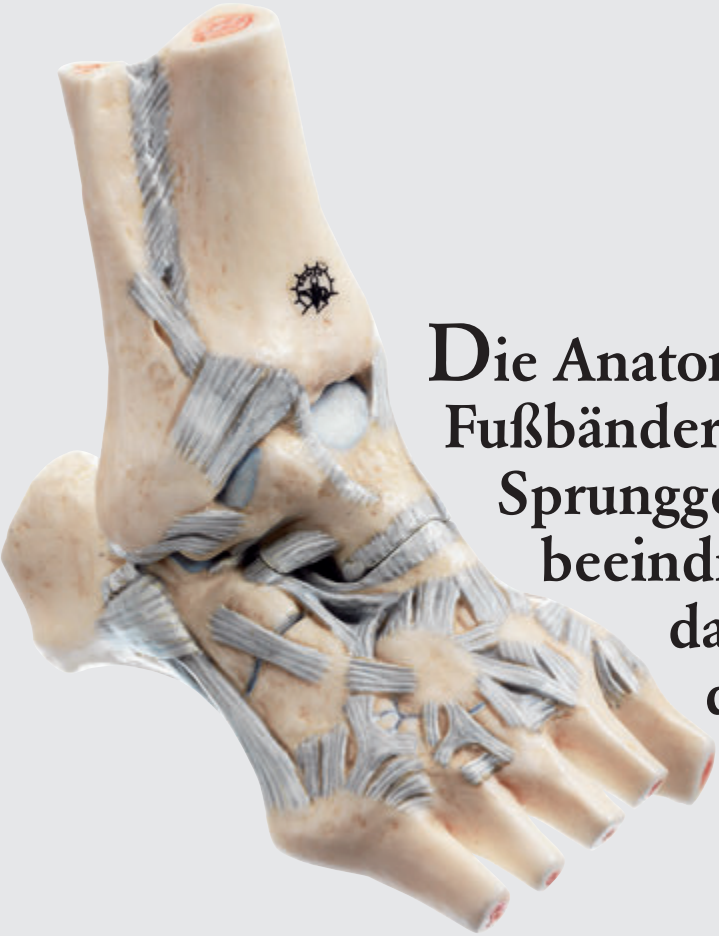

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Donnerstag, 24. September 2015

8:00 bis 10:00 Uhr **Vorträge 16 – 23**

16 **Pieper M., Schulz-Hildebrandt H., Hüttmann G., König P**. *Luebeck*
Imaging of mucus clearance in the trachea of living mice by optical coherence microscopy

17 **Zessin M., Boldt C., Deisz R., Loyola S., Strauss U., Boehm M., Blankenstein K., Borschewski A., Bachmann S., Mutig K.** *Berlin*
Cyclosporine inhibits the neuronal K-Cl co-transporter

18 **Cidlinsky N., Dogliotti G., Reinders J., Hallstein I., Krahn M.** *Regensburg*
The tumour suppressor LKB1 controls efficient replication by phosphorylating histone 2B

19 **Koch M., Elmquist J., Morozov Y., Rakic P., Bechmann I., Cowley M., Horvath T.** *Leipzig, Dallas and New Haven (USA), Clayton, VIC (Australia)*
New aspects of central regulation of food intake

20 **Gericke M., Braune J., Weyer U.,Eilers J., Bechmann I.** *Leipzig*
Local proliferation of adipose tissue macrophages is driven by Th2 cytokines

21 **Körber C., Horstmann H., Venkataramani V., Herrmannsdörfer F., Dresbach T., Kuner T.** *Heidelberg and Goettingen*
Vertebrate-specific presynaptic protein mover controls release probability at the calyx of Held

22 **Schmidt M., Dudvarski Stankovic N.** *Mainz*
EGFL7 as a therapeutic agent for the treatment of malignant brain tumors

23 **Wunsch M., Weyer L., Schwarz A., Rodi M., Wagner N., Asan E., Erguen S., Kuerten S.** *Wuerzburg and Cologne*
The enteric nervous system as an immune target in multiple sclerosis

– Pause bis 10:30 Uhr **–**

– Tagungsfotografie **–**

Donnerstag, 24. September 2015

10:30 bis 12:30 Uhr **Vorträge 24 – 31**

24 **Kullmann L., Dogliotti G., Thiele C., Dhumale P., Mendel G., Püschel A., Krahn M.** *Regensburg and Muenster*
Activation of the tumor suppressor kinase LKB1 is mediated by plasmamembrane targeting

25 **Mutig K., Borschewski A., Boldt C., Himmerkus N., Bleich M., Bachmann S.** *Berlin and Kiel*
Mechanisms of posttranslational regulation of the renal Na-K-2Cl cotransporter

26 **Pfeil U., Goldenberg A., Renno L., Papadakis T., Kummer W.** *Giessen*
Evidence for an intrinsic catecholaminergic system in the murine bladder wall

27 **Ghavampour S., Boemmel H., Wagner N., Niedermeier N., Lorey S., Najjar S., Erguen S.** *Wuerzburg, Toledo (USA)*
Ceacam1 interaction with eNOS and its role in regulation of endothelial barrier function

28 **Schinner C., Schipp A., Roetzer V., Hartlieb E., Vielmuth F., Spindler V., Waschke J.** *Munich*
Increasing cardiomyocyte cohesion is a novel function of sympathetic signaling

29 **Buttler K., Becker J., Pukrop T., Wilting J.** *Goettingen*
Wnt5a controls morphogenesis and differentiation of the embryonic lymphatic vascular system in the murine dermis

30 **Reichold M., Broeker C., Klootwijk E., Stanescu H., Renner K., Reinders J., Assmann N., Oefner P., Kleta R., Warth R.** *Regensburg, London (UK)*
Mitochondrial malfunction caused by protein mistargeting

31 **Lenz M., Muller-Dahlhaus F., Wierenga C., Szabo G., Ziemann U., Deller T., Funke K., Vlachos A.** *Frankfurt am Main, Tuebingen and Bochum, Utrecht (Netherlands), Budapest (Hungary)*
Repetitive magnetic stimulation induces plasticity of inhibitory synapses in mouse organotypic entorhino-hippocampal slice cultures

– Mittagspause bis 14:00 Uhr **–**

Donnerstag, 24. September 2015

14:00 bis 15:30 Uhr **Vorträge 32 - 37**

32 **Puchert M., Adams V., Engele J.** *Leipzig*
The role of the cxcl12 system in skeletal muscle during physical exercise

33 **Hirt B., Zeyher C., Mack A., Just L., Gleiser C.** *Tuebingen*
Embalming of cadavers with pyrrolidine derivatives: substitution of formaldehyde is possible

34 **Winkelmann A.** *Berlin*
Why Wolfgang Bargmann lost his job as secretary of the Anatomische Gesellschaft in 1950

35 **Eifinger F., Vierzig A., Koerber F., Dötsch J., Roth B., Scaal M.** *Cologne*
Anatomical landmarks to optimize catheter tip position in preterm and term neonates

36 **van Dam A., van Munsteren C., de Ruiter M.** *Leiden (Netherlands)*
Fix for life, the development of a new embalming method to preserve lifelike morphology

37 **Mietens A., Tasch S., Eichner G., Kügler R., Middendorff R.** *Giessen*
Combining time-lapse imaging and Fourier analysis - new tools to visualize contractile cell function under near-physiological conditions

15:30 bis 16:30 Uhr **Nachwuchspreise, Vortrag und late breaking abstracts**

1. Verleihung der Nachwuchspreise
2. **Facilitation of exchange of young anatomists between Germany and Japan - Naoto Kobayashi, Ehime, Japan** (Head of the International Exchange Committee of JAA)
3. Late braking abstracts
(Präsentation ausgewählter Posterbeiträge und/oder aktuell angenommener Publikationen: Auswahl erfolgt während der Tagung)

Freitag, 25. September 2015

8:00 bis 10:00 Uhr **Vorträge 38 – 45**

38 **Kuner T., Horstmann H., Venkataramani V.** *Heidelberg*
Resin-free scanning electron microscopy: preserved cytokeleton and immunogold labeling in an intact ultrastructural landscape

39 **Drakew A., Maier U., Frotscher M.** *Hamburg*
Synapses show differential plasticity depending on their history – monitoring individual living hippocampal mossy fiber synapses

40 **Witte M., Walker F., Feyerabend M., Moeck M., Staiger J.** *Goettingen*
Synaptic properties and subcellular targeting in dis-/inhibitory cortical circuits

41 **Vogt J., Cheng J., Sahani S., Nitsch R.** *Mainz*
Axonal Prg2 regulates thalamocortical circuit formation via phospholipid signaling

42 **Wiegreffe C., Simon R., Peschkes K., Kling C., Strehle M., Cheng J., Srivatsa S., Pentao L., Jenkins N., Copeland N., Tarabykin V., Britsch S.** *Ulm, Berlin, Mainz, Cambridge (UK), Houston, Texas (USA)*
Bcl11A (CTIP1) controls migration of cortical projection neurons through regulation of Sema3c

43 **Schmitt O., Eipert P., Wree A.** *Rostock*
Connectomics of the nervous system of rats

44 **Hafner G., Wagener R., Guy J., Staiger J.** *Goettingen*
The afferent connectome of VIP expressing GABAergic interneurons in the mouse barrel cortex: a brain-wide atlas using monosynaptic retrograde rabies virus tracing

45 **Vlachos A., Willems L., Lenz M., Galanis C., Jungblut D., Wittum G., Muller U., Deller T.** *Frankfurt am Main and Heidelberg*
Amyloid-precursor-protein maintains stability of neuronal dendrites in mouse organotypic entorhino-hippocampal slice cultures

– Pause bis 10:30 Uhr **–**

Freitag, 25. September 2015

10:30 bis 12:45 Uhr **Vorträge 46 – 54**

46 **Herrnberger L., Tamm E., Hennig R., Kremer W., Hellerbrand C., Göpferich A., Kalbitzer H.** *Regensburg*
The role of PLVAP for the transendothelial transport in endothelial cells

47 **Lange T., Samatov T., Wicklein D., Kupfernagel K., Riecken K., Schlomm T., Sauter G., Tonevitsky A., Schumacher U.** *Hamburg, Moscow (Russia)*
mRNA/Mir microarrays from prostate cancer xenograft tumors reveal CD46 as a novel biomarker and suppressor of EMT

48 **Wittmann J., Hampel U., Diekow J., Garreis F., Schroeder H., Jacobi C., Hsieh L., Pulli B., Chen J., Hoogeboom S., Bräuer L., Paulsen F., Schob S., Schicht M.** *Erlangen, Leipzig, and Nuernberg, Boston, Massachusetts (USA)*
Plasma gelsolin stimulates corneal epithelial cell proliferation and supports corneal wound healing

49 **Keshavarz M., Pfeil U., Skill M., Kummer W., Krasteva-Christ G.** *Giessen and Wuerzburg*
Structural insights into the serotonin- and muscarinic-induced smooth muscle constriction of murine caveolin-3 in airways

50 **Schneider M., Fuchshofer R., Tamm E., Iozzo R.** *Regensburg, Philadelphia (USA)*
Decorin deficiency leads to glaucomatous changes in mice

51 **Arnold P., Donandt J., Prox J., Schneppenheim J., Koudelka T., Wilms H., Böttcher R., Tholey A., Fässler R., Lucius R., Becker-Pauly C.** *Kiel and Martinsried, Lubbock (USA)*
Meprin beta degrades CTGF and attenuates its transcription via beta1-integrin shedding

52 **Braunger B., Leimbeck S., Schlecht A., Volz C., Jaegle H., Tamm E.** *Regensburg*
Deletion of ocular TGF-beta signaling mimics essential characteristics of diabetic retinopathy

53 **Heermann S., Schütz L., Lemke S., Mateo J., Rahhal B., Krieglstein K., Wittbrodt J.** *Heidelberg*
A dual role of bmp antagonism during eye morphogenesis: implications for coloboma formation

54 **Ohlmann A., Zeilbeck L., Leopold S., Tamm E.** *Regensburg*
Norrin inhibits the development of glaucoma in DBA/2J mice

– **Verleihung der Posterpreise und Ende der 110. Jahrestagung** –

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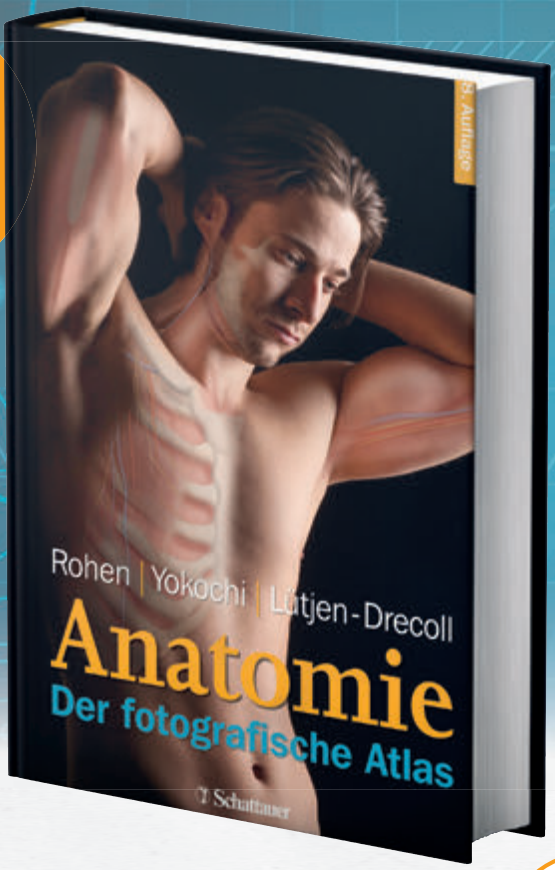

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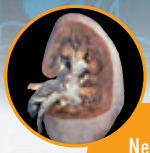

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