



ANATOMISCHE GESELLSCHAFT

110th Annual Meeting / 31. Arbeitstagung

September 23 - 25, 2015

Würzburg, Germany

Institute of Anatomy & Cell Biology



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exklusiv für Anatomie – Rechtsmedizin - Pathologie

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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

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., Goebels S.** *Hannover, Goettingen and Berlin, Alabama (USA)*
Control of inhibitory circuit formation in the cerebellum by neurod2
- 3 **Sagar S., Pröls F., Wiegrefte 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)

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- 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 p75^{ntr} cleavage controls TGF- β signaling and astrocyte functions
- 9 **Deckmann K., Krasteva-Christ G., Rafiq A., Scholz P., Baumgart S., Bschiepfer 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., Broggin 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., Kriegelstein 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 –

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

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- 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 **Moriggi 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 minicholecystectomy 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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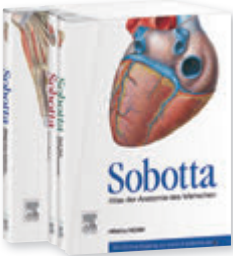
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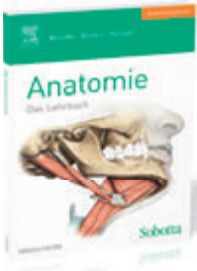
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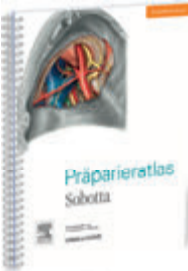
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- 19 **Didilescu A., Sandulescu M., Rusu M.** *Bukarest (Romania)*
The buccolingual topography of the mandibular canal
- 20 **Haenssger K., Herrmann G.** *Bern (Switzerland)*
The innervation pattern of the crural diaphragm
- 21 **Motoc A., Sisu A., 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 Lassay (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 **Nimitschke 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 endoscopic 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

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- 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., Koeppl 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

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- 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., Pfanmoeller 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., Wiegrefe 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
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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

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- 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: predator 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., Zencussen 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

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- 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

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- 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 $\Delta\mu$ -ct
- 76 **Bertolessi Lourenco M., Linta L., Liebau S.** *Tuebingen*
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- 77 **Krueger M., Bechmann I., Immig K., Reichenbach A., Hartig W., Michalski D.** *Leipzig*
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- 78 **Condurat A., Menon V., Thomas R., Hindley C., Pruszek J.** *Freiburg*
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- 79 **Petkova A., Gödecke N., Korte M., Dresbach T.** *Goettingen and Braunschweig*
Neurologins and BDNF in synaptic maturation
- 80 **Park J., Irschick R., Hausott B., Claus P., Klimaschewski L.** *Innsbruck (Austria), Hannover*
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Neuroimmunology

- 81 **Wiederhold S., Krasteva-Christ G., Kummer W.** *Giessen and Wuerzburg*
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- 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*
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- 83 **Grether N., Bergwelt-Baildon M.S., Wagner N., Kuerten S.** *Cologne and Wuerzburg*
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- 84 **Seitz R., Gruber R., Meier E., Fuchshofer R., Tamm E.** *Regensburg*
Glial reactivity and its role for retinal ganglion cell loss in glaucoma

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- 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*
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- 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., Kriegelstein K., Spittau B.** *Freiburg*
Effects of microglia-specific transforming growth factor-beta receptor type ii deletion on microglia phenotypes 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., Schrotten 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*)

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- 92 **Engel C., Koehler J., Andressen C.** *Rostock*
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- 93 **Jaszai J., Rojo Arias J., von Herrmann F., Kappert V., Economopoulou M., Morawietz H., Chavakis T., Funk R.** *Dresden*
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- 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

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- 95 **Scheer E., Ozsoy U., Stein G., Meyer C., Pavlov S., Angelov D.** *Cologne, Antalya (Turkey), Varna (Bulgaria)*
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- 96 **Knels L., Loeffler J., Linning P., Pietzsch J., Simons K., Knölker H., Funk R., Schroeder C.** *Dresden*
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- 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., Goepfner 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*
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- 100 **Islinger M., Uhl A., Pfarr S., Sommer W., Schultz C.** *Mannheim*
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- 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)*
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- 102 **Klawitter F., Schmitt O., Hawlitschka A., Cremer M., Zilles K., Wree A.** *Rostock and Juelich*
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- 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

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- 105 **Becker B., Demirbas M., Beyer C., Kipp M.** *Aachen and Munich*
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- 106 **Johann S., Heitzer M., Kanagaratnam M., Goswami A., Weis J., Troost D., Beyer C.** *Aachen, Amsterdam (Netherlands)*
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- 107 **Heimke M., Wilms H., Lucius R., Rickert U.** *Kiel, Lubbock, TX (USA)*
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- 108 **Meyer A., Guenther R., Lehmann S., Brueckmann H., Schmitt O., Wree A., Witt M.** *Rostock*
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- 109 **Hawliitschka A., Eilhard M., Wree A.** *Rostock*
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- 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

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- 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*
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- 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*
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- 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)*
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In situ molecular anatomy within the human cardiac stem niche: facts and hypotheses
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- 120 **Preusse-Prange A., Behrendt P., Haefelein K., Grodzinsky A., Kurz B.** *Kiel, Cambridge (USA)*
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- 121 **Schenkel J., Fragoulis A., Streetz K., Pufe T., Wruck C.** *Aachen*
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- 124 **Zhao H., Kohl B., Schulze-Tanzil G.** *Berlin and Nuernberg*
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- 125 **Garreis F., Schroeder A., Abrar D., Hampel U., Fischer M., Paulsen F.** *Erlangen*
In vitro effects of sex hormones and retinoic acid derivatives in human meibomian gland epithelial cells
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Selenite partly inhibits the pro-inflammatory effects of tumor necrosis factor alpha in meniscal tissue
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Influence of tensile strain and growth and differentiation factors on extracellular matrix production of mesenchymal stem cells

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- 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
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Silica-collagen-nanocomposites and mesenchymal stem cells for bone tissue engineering in the systemic diseased bone
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Short-term stimulation of primary human epithelial cell proliferation by two different transient viral vector systems
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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*
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- 136 **Heigl T., Diederichs S., Kloss K., Bergmann C., Pape H-C., Lichte P., Sönmez T., Fischer H., Pufe T., Tohidnezhad M.** *Aachen*
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- 139 **Pfeil U., Bharathala S., Murtaza G., Mermer P., Boening A., Kummer W.** *Giessen, Linköping (Sweden), Lahore (Pakistan)*
A valvular adrenomedullin/intermedin/calcitonin gene-related peptide signaling system in the mouse and human heart
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Influence of dendritic polyglycerol sulfates on knee osteoarthritis: an experimental study in the rat model
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Aqp4 formation into orthogonal arrays of particles is independent from Aqp4 anchoring via the dystrophin-associated protein complex in the rat and human cochlea
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- 145 **Kugelmann D., Waschke J., Radeva M.** *Munich*
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- 148 **Roemer P., Proff P., Kirschneck C.** *Regensburg*
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Adiponectin regulates embryonic lipid metabolism in rabbit blastocysts

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Visualisation of subtle phenotype abnormalities of prenatally lethal mouse embryos produced in the dmdd project
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- 157 **Raab S., Klingenstein M., Linta L., Liebau S., Kleger A.** *Tuebingen and Ulm*
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- 158 **Singer B., Khairnar V., Duhan V., Beauchemin N., Goethert J., Lang P., Lang K.** *Essen and Duesseldorf, Montreal, Quebec (Kanada)*
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Cd103+ conventional dendritic cells are in contact to a new antigen-uptaking interstitial macrophage-like cell population around the airways
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Pro-inflammatory stimuli induce Nrf2/are signalling in macrophages mediated by ROS

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- 161 **Mattheis L., Jung J., Kielstein H., Spielmann J.** *Halle (Saale)*
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- 166 **Reckmann A., Mietens A., Middendorff A.** *Giessen*
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- 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)*
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Postnatal development of the enteric glial network and modulation by butyrate

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- 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*
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- 184 **Puchert M., Pelkner F., Angelov D., Boltze J., Wagner D., Fluegel A., Streit W., Engele J.** *Leipzig, Cologne and Goettingen, Gainesville, FL (USA)*
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- 185 **Panther P., Zaele T., Voges J., Kühne M., Heinze H.J., Kupsch A., Nullmeier S.** *Magdeburg*
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- 187 **Schlegel G., Horling K., Schulz S., Vierk R., Ullrich K., Santer R., Rune G.** *Hamburg*
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- 188 **Wolloscheck T., Vancura P., Spessert R.** *Mainz*
Evidence for circadian control of energy metabolism in murine retina



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- 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
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- 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
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- 25 **Mutig K., Borschewski A., Boldt C., Himmerkus N., Bleich M., Bachmann S.** *Berlin and Kiel*
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- 27 **Ghavampour S., Boemmel H., Wagner N., Niedermeier N., Lorey S., Najjar S., Erguen S.** *Wuerzburg, Toledo (USA)*
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- 29 **Buttler K., Becker J., Pukrop T., Wilting J.** *Goettingen*
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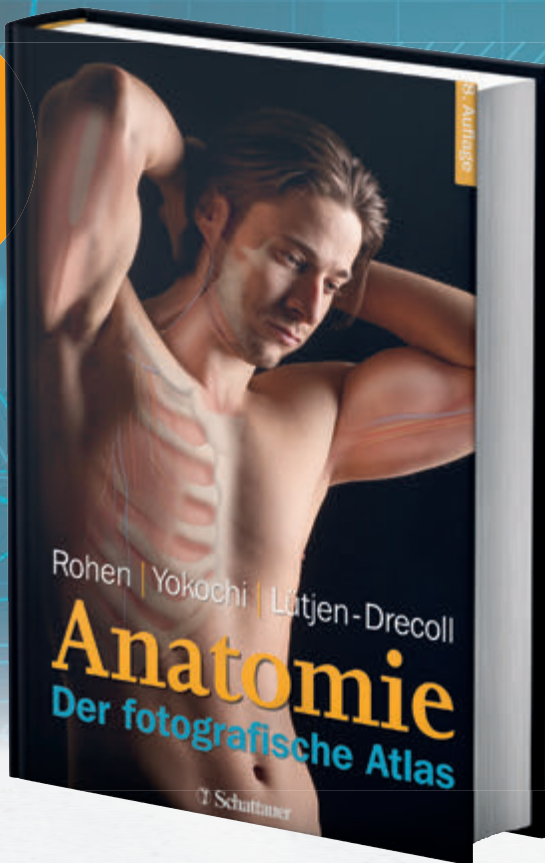
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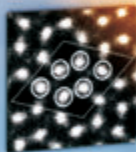


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