

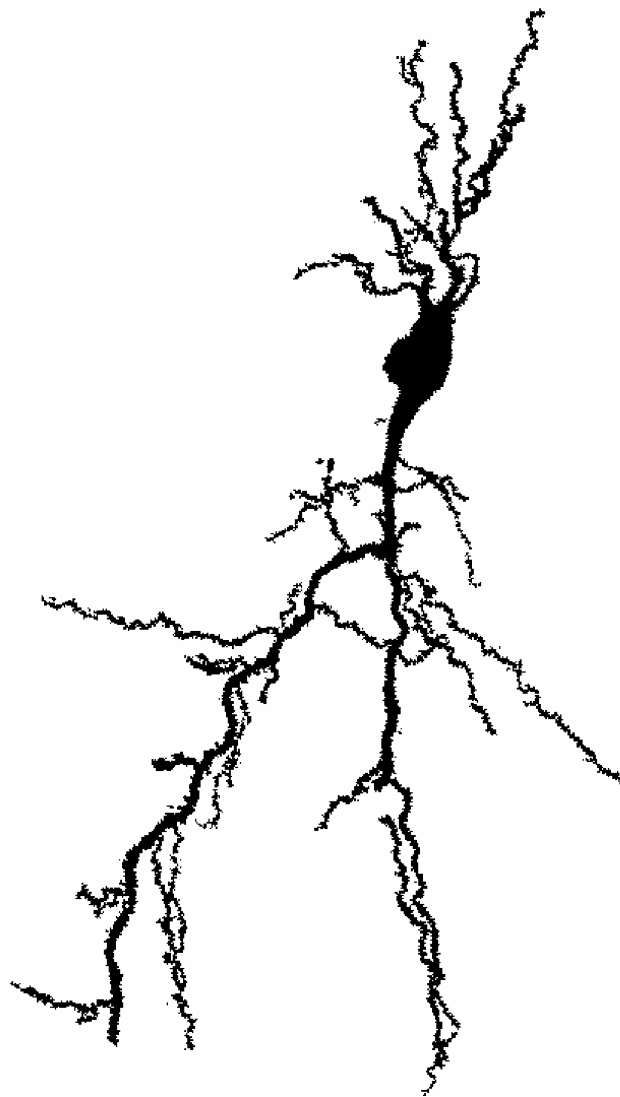
# Neuroprotection and Neurorepair

Magdeburg – 4<sup>th</sup> International Symposium

Focus 2006: Cerebral Ischemia and Stroke

May 3 –6, 2006

## PROGRAM



## Topics:

Ischemia: basic mechanisms and neuroprotection

Molecular neuropathology of brain damage

Mitochondria as cellular targets

Role of inflammation and microglia

Astrocytes as guardians of neuroprotection

Stem cells as a source for neurorepair

Endogenous neurogenesis as a therapeutic target

Axonal regeneration

Plasticity after neuronal injury and restitution

## Round Table:

“Cell replacement therapy with endogenous and transplanted stem cells versus  
Neuroprotection”

## Organizing Institutions

- Institut für Neurobiochemie, Medizinische Fakultät der  
Otto-von-Guericke Universität Magdeburg
  - Leibniz Institut für Neurobiologie (IfN)
- Forschungsinstitut für angewandte Neurowissenschaften (FAN)



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### **Conference Site**

Herrenkrug Parkhotel Magdeburg

Herrenkrug 3; 39114 Magdeburg

Phone: +49 391-85 08-0; Fax: +49 391-85 08 60 1

Email: [empfang@herrenkrug.de](mailto:empfang@herrenkrug.de)

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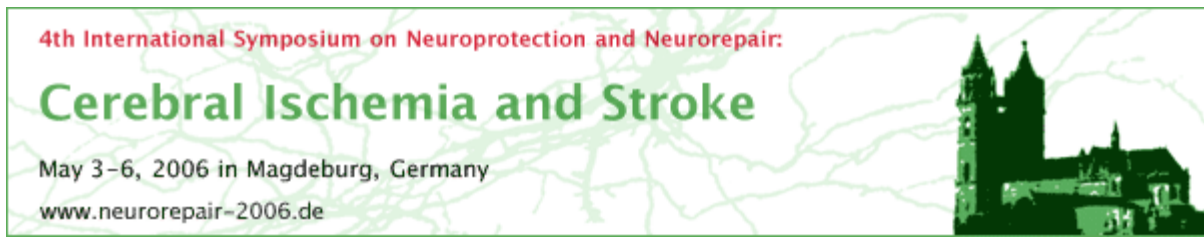
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## Program

**Wednesday, May 3, 2006**

*10:00-13:00 Registration at Parkhotel Herrenkrug Magdeburg*

*Poster mounting from 12:00 in Poster area "Wintergarten"*

*Posters remain displayed throughout the entire conference*

*13:00 Official Opening*

**Professor Jan-Hendrik Olbertz, Minister for Cultural Affairs of Saxony-Anhalt**  
**Professor Klaus Erich Pollmann, Rector of the Otto-von-Guericke-Universität Magdeburg**  
**Professor Henning Scheich, Director of Leibniz Institut für Neurobiologie (IfN)**

### *Opening lectures*

*13:15-13:55 Nicotera, Pierluigi Leicester, UK*  
Beyond glutamate and cell death: what comes next?

*13:55-14:35 Abe, Koji Okayama, Japan*  
Neuroprotection and neurorestoration for ischemic stroke

*14:35-15:15 Bazan, Nicolas New Orleans, USA*  
Endogenous neuroprotective signalling in the response to ischemia-reperfusion

*15:15-16:00 Coffee Break*

**Chair: F. Sharp - K. Abe**

*Plenary lectures*

**16:00-17:45 Panel 1:  
Stroke - fundamental and clinical aspects**

**16:00-16:30 Diener, Hans-Christoph** *Essen, Germany*  
Use of neuroprotective therapy in human stroke

**16:35-17:05 Villringer, Arno** *Berlin, Germany*  
Pathophysiology-guided stroke therapy

**17:10-17:40 Schwartz, Michal** *Tel Aviv, Israel*  
T cells and microglia are needed for neuronal survival and renewal:  
Implications for neurodegenerative conditions

**17:45 End of scientific sessions**

**18:30 Welcome reception**

**Thursday, May 4, 2006**

**Symposium lectures**

**Chair: N. Bazan - K. Maiese**

**9:00-12:20 Panel 2:  
Ischemia: basic mechanisms of neuroprotection**

**9:00-9:30** **Chen, Jieli** / Chopp, Michael, *Detroit, MI, USA*  
Remodeling brain after stroke

**9:30-10:00** **Witte, Otto** *Jena, Germany*  
Impact of perilesional dysfunction on brain plasticity - new aspects and therapeutic intervention

**10:00-10:30** **Rothwell, Nancy** *Manchester, UK*  
IL-1 as a therapeutic target in stroke

**10:30-11:00** *Coffee Break*

**11:00-11:30** **Anrather, Josef** / Iadecola, Costantino, *New York, USA*  
The multi-functional role of prostaglandin E2 receptors in excitotoxic brain injury

**11:30-11:45** **Reiser, Georg** *Magdeburg, Germany*  
Calcium-independent phospholipase A<sub>2</sub> and docosahexaenoic acid-containing phospholipids as targets for neuroprotection in stroke

**11:45-12:05** **Lu, YouMing** *Orlando, USA*  
ADAR2-dependent GluR2 RNA editing in forebrain ischemia

**12:05-12:20** **Himmelreich, Uwe** *Köln, Germany*  
Improved labelling protocols for the cell visualization by Magnetic Resonance Imaging

**12:30-13:30** *Lunch*

**13:30-15:00** **Poster session**

**Chair: G. Fiskum - C-W. Wallesch**

**15:00-18:00 Panel 3:  
Neuroprotective mechanisms in Ischemia: Genomic aspects**

**Symposium lectures**

**15:00-15:30 Sharp, Frank** *Sacramento, USA*  
Genomic approaches to ischemic and hemorrhagic brain injury: studies in brain and blood

**15:30-16:00 Wieloch, Tadeusz** *Lund, Sweden*  
Gene profiling of the post-ischemic brain reveals novel pathways for recovery of function following stroke

**16:00-16:30 Milne, Stuart** *Edinburgh, UK*  
Genomics and plasticity in vitro and in vivo

**16:30-17:00** *Coffee Break*

**Short communications**

**17:00-17:15 Yepes, Manuel** *Atlanta, USA*  
Tweak disrupts the integrity of the neurovascular unit during cerebral ischemia

**17:15-17:30 Foster, Kelley A.** *Durham, USA*  
Effects of aging and NADH hyperoxidation on neuronal recovery following hypoxia in rat hippocampal slices

**17:30-17:45 Strosznajder, Joanna** *Warsaw, Poland*  
Poly(ADP-ribose) polymerase activity and expression in brain aging and ischemia reperfusion injury

**17:45-18:00 Onteniente, Brigitte** *Creteil, France*  
Long term functional efficacy of Tat-XT fusion proteins in ischemic stroke

**20:00** *Conference banquet in Herrenkrug, Festsaal*

*admission with ticket; for purchase at the registration desk  
tickets are partly sponsored*

## Friday, May 5, 2006

**Chair: V. Höllt**

### **Panel 4**

**8:30-9:00**

### **Short communications**

**8:30-8:45**

**Cavaliere, Fabio** *Rom, Italy*

Cortical area viability following oxygen/glucose deprivation can be sustained by subventricular zone-released factors: an organotypic study.

**8:45-9:00**

**Stumm, Ralf** *Magdeburg, Germany*

Somatostatin receptor sst2 inhibits Akt kinase activity and enhances ischemia-induced neuronal death

### **Symposium lectures**

**9:00-12:30**

### **Models for study of neurorepair and neuroprotection - Mitochondria as cellular targets**

**9:00-9:30**

**Culmsee, Carsten** *Munich, Germany*

A causal role for apoptosis-inducing factor in ischemic neuronal cell death

**9:30-10:00**

**Bossy-Wetzel, Ella** *La Jolla, USA*

Mitochondrial fission: an initiator of neurodegeneration

**10:00-10:30**

**Fiskum, Gary** *Baltimore, USA*

Neuroprotection by inhibition of mitochondrial oxidative stress

**10:30-11:00**

**Coffee Break**

**11:00-11:30**

**Ravindranath, Vijayalakshmi** *Haryana, India*

Redox perturbations in neurodegeneration and a role for thiol delivery agents

**11:30-12:00**

**Herdegen, Thomas** *Kiel, Germany*

Activation of the Nrf2 transcription factor as neuroprotective strategy

**12:00-12:30**

**Maiese, Kenneth** *Detroit, USA*

Impacting inflammatory cell activation to restore neuronal and vascular function through novel cellular targets

**12:45-13:45**

**Lunch**

**Chair: E. Snyder - B. Onteniente**

**14:00-16:50 Panel 5:  
Stem cells as a source for Neurorepair**

**14:00-14:30 Brüstle, Oliver** *Bonn, Germany*  
ES cell-derived neural precursors: Fate restriction versus controlled differentiation

**14:30-15:00 Emmrich, Frank** *Leipzig, Germany*  
Cell therapy in stroke

**15:00-15:30 Götz, Magdalena** *Munich, Germany*  
Glial cells generate neurons: molecular mechanisms

**15:30-15:50** *Coffee break*

**15:50-16:20 Snyder, Evan** *La Jolla, USA*  
Stem cells appear to exert homeostatic pressure in degenerative or injured CNS environments

**16:20-16:50 Sykova, Eva** *Praha, Czech Republic*  
Stem cells and biocompatible hydrogels in the treatment of brain and spinal cord injury

**17:00** *END OF SCIENTIFIC SESSIONS*

**17:30** *Departure*

**18:00** *Hundertwasserhaus - Café*  
*(admission with ticket; limited number available for all congress attendees)*

**19:45** *Chamber orchestra concert, Cathedral with Reception*  
*(free admission for all congress participants and guests)*

**Saturday, May 6, 2006**

**Chair: T. Wieloch - K. Reymann**

**Panel 6**

**8:30-9:00 Short communications**

**8:30-8:45** **Neumann, Jens** *Magdeburg, Germany*  
Microglia provide neuroprotection after ischemia

**8:45-9:00** **Jolkkonen, Jukka** *Kuopio, Finland*  
Improved sensorimotor or cognitive outcome following transient middle cerebral artery occlusion in rats

**Symposium lectures**

**9:00-12:00 Endogenous neurogenesis as a therapeutic target**

**9:00-9:30** **Greenberg, David A.** *Novato, USA*  
Endogenous neurogenesis in stroke & neurodegenerative disease

**9:30-10:00** **Lindvall, Olle** *Lund, Sweden*  
Neurogenesis after stroke and status epilepticus in the adult brain

**10:00-10:30** **Levison, Steve** *New Jersey, USA*  
Neonatal hypoxic/ischemic brain injury initiates and sustains neocortical and striatal neuronal replacement from the SVZ subsequent to neural stem cell expansion

**10:30-11:00** *Coffee Break*

**11:00-11:30** **Nakafuku, Masato** *Cincinnati, USA*  
Injury-induced neurogenesis in the striatum and neocortex: contribution of parenchymal neural progenitors

**Short communications**

**11:30-11:45** **Kronenberg, Golo** *Berlin-Buch, Germany*  
Nestin-expressing cells divide and adopt a complex electrophysiologic phenotype after transient brain ischemia

**11:45-12:00** **Braun, Holger** *Magdeburg, Germany*  
Transplantation of embryonic stem cells after stroke

**12:00-13:00** *Lunch*

**13:00-14:00** **Final visit to Posters and Coffee in the poster area**

**Chair: D. Greenberg - G. Reiser**

**14:00-15:30 Panel 7:  
Pathology of brain damage in stroke**

**Symposium lectures**

**14:00-14:30 Ehrenreich, Hannelore** *Göttingen, Germany*  
Erythropoietin and analogues: Promising strategies for neuroprotection in human brain disease

**14:30-15:00 Schneider, Armin** *Heidelberg, Germany*  
The hematopoietic factor G-CSF is a neurotrophic protein with neuroprotective and regenerative activities

**15:00-15:30 Dirnagl, Ulrich** *Berlin, Germany*  
Neuroprotection and neurorepair: Laboratory artifacts?

**Perspectives and Round table discussion**

**15:30-16:00 Bazan, Nicolas** *New Orleans, USA*  
Summarizing and perspectives lecture:  
Stroke research in the coming decade: promise of neuroprotection, regeneration and repair or cul-de-sac?

**Followed by**

**16:00-17:00 Round table:  
Cell replacement therapy with endogenous and transplanted stem cells versus Neuroprotection,**  
chaired by **Hossmann, Konstantin-A.** *Köln, Germany*

**17:15 *END OF CONFERENCE***

**19:00 *Farewell dinner in the cellar restaurant "Ratskeller" in Marktplatz***  
*(admission with ticket; for purchase at the registration desk)*  
*tickets are partly sponsored*

**Sunday May 7**

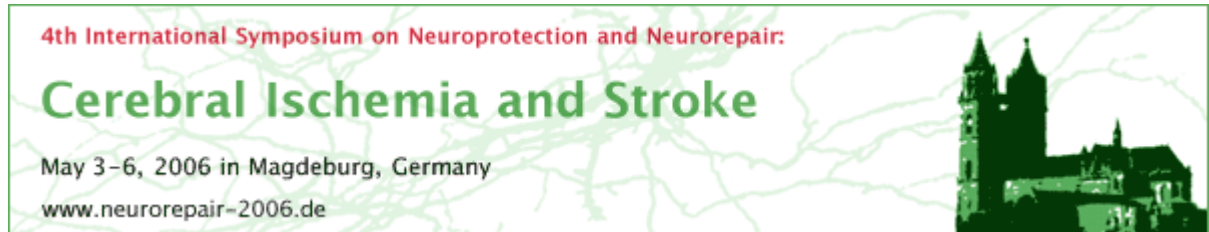
**Post-conference day tour to Schloss Sanssouci, Potsdam**

**Departure: 8:00 am, from Hotel Herrenkrug**



# Poster Session

Poster authors are kindly requested to stand at their posters during the official poster presentations



Nr.	Poster authors and title
1.	Ammon-Treiber, S., Stolze, D., Höllt, V. Institute of Pharmacology and Toxicology, Otto-von-Guericke University Magdeburg, Germany <b>Effects of different mu-opioid receptor agonists in a hippocampal hypoxia/hypoglycemia model</b>
2.	Anderson, M. F., Aprico, K., Komitova, M., Mallard, C., Engdahl, S., Fajerson, J., Eriksson, P. S., Nilsson, M., <i>Institute for Neuroscience and Physiology, Göteborg University, Göteborg, Sweden</i> <b>Hippocampal gene expression is profoundly altered by experimental rehabilitation following stroke in rats</b>
3.	Baldauf, K., Reymann, K. G. <i>Institute for Neurobiology Neuropharmacology Magdeburg, Germany</i> <b>Influence of growth factors on proliferation and BrdU/NeuN double-staining after transient focal cerebral ischemia at late time points</b>
4.	Benesova, J., Anderova, M., Hock, M., H. Neprasova, H., I. Prajerova, I., Chvatal, A. <i>Department of Neurobiology, Institute of Experimental Medicine ASCR, Department of Neuroscience, 2<sup>nd</sup> Med. Faculty, Charles University; Center for Cell Therapy and Tissue Repair, Prague, Czech Republic</i> <b>Quantification of Astrocyte Volume Changes during Ischemia in the Cortex of EGFP/GFAP Mice</b>
5.	Bertram, I., Becker, A., Wolf, R., Matzke, K., Grecksch, G., Keilhoff, G., Bogerts, B., Bernstein, H.-G. <i>Department of Psychiatry, Institute for Pharmacology and Toxicology, Institute of Medical Neurobiology, University of Magdeburg, Germany</i> <b>Long-lasting upregulation of neuregulin-1 after rat brain injury as shown by ibotenic acid lesion of the ventral hippocampus</b>
6.	Bethmann, A., Wendt, B., Brechmann, A. <i>Leibniz Institute for Neurobiology, Magdeburg, Institute of Linguistics, University of Potsdam, Potsdam, Germany</i> <b>An fMRI study on language processing in adults with language and speech disorders following stroke</b>

7.	Bicker, F., Wittko, I.M., Schänzer, A., Raab, S., Plate, K.H. <i>Edinger Institute/ Institute of Neurology, J.W. Goethe-University Frankfurt, Germany</i> <b>Putative role of VEGF and its receptors in endogenous brain repair mechanisms</b>
8.	Blondeau, N., Laigle, C., Lazdunski, M., Heurteaux, C. <i>Institut de Pharmacologie Moléculaire et Cellulaire – CNRS UMR6097, Valbonne, France</i> <b>Post-treatments with alpha-linolenic acid or riluzole, activators of 2 pore-domain K<sup>+</sup> channels protect from focal ischemia-induced brain damages and mortality</b>
9.	Bonnici, B., Kapfhammer, J. <i>Institute of Anatomy, Basel, Switzerland</i> <b>Regeneration of intrinsic axons in spinal cord slice culture</b>
10.	Broske, P., Walther, T., Emrich, F., Ullmann, C., Thiel, S., Rastan, A., Mohr, F. W., Kostelka, M., Dhein, S. <i>Klinik für Herzchirurgie, Herzzentrum Leipzig, Leipzig, Germany</i> <b>The role of poly-ADP-ribose polymerase in global low-flow cerebral ischemia</b>
11.	Bühnemann, C., Scholz, A., Bernreuther, C., Malik, C. Y., Braun, H., Schachner, M., Reymann, K. G., Dihné, M. <i>Leibniz Institut für Neurobiologie (IfN), Neuropharmakologie, Magdeburg, Justus-Liebig Universität, Institut für Physiologie, Gießen, Zentrum für Molekulare Neurobiologie, Universität Hamburg, Hamburg, Germany</i> <b>Neuronal differentiation of transplanted embryonic stem cell-derived precursors</b>
12.	Butz, M., Lehmann, K., Teuchert-Noodt, G. <i>Leibniz Institut für Neurobiologie (IfN), Magdeburg, Department Neuroanatomy, Universität Bielefeld, Germany</i> <b>Computer simulation of lesion-induced structural plasticity in cortical neural networks</b>
13.	Byron, D. F., Ford, G. D., Li, Y., Xu, Z. <i>Department of Anatomy and Neurobiology, Morehouse School of Medicine, Atlanta, USA</i> <b>Novel Neuroprotective Effects of Neuregulin-1 in the Treatment Ischemic Stroke</b>
14.	Caso, J., R., Pradillo, J. M., Pereira, M. P., Leza, J.C., Moro, M. A., Lizasoain, I. <i>Departamento de Farmacología, Facultad de Medicina, Universidad Complutense de Madrid, Madrid, Spain</i> <b>Toll-like receptor 4 is involved in the effect of stress on permanent focal cerebral ischaemia outcome in mice</b>
15.	Cavaliere, F., Dinkel, J. K., Reymann, K. <i>Santa Lucia Foundation, Rome, Italy, Research Institute for Applied Neuroscience, FAN GmbH, Leibniz Institute for Neurobiology, Magdeburg, Germany</i> <b>Cortical area viability following oxygen/glucose deprivation can be sustained by subventricular zone-released factors: an organotypic study.</b>
16.	Chauvier, D., Lecoeur, H., Langonné, A., Borgne-Sanchez, A., Mariani, J., Martinou, J.-C., Rebouillat, D., Jacotot, E. <i>Theraptosis Research Laboratory, Theraptosis, Pasteur Biotop, Institut Pasteur, Paris, France</i> <b>Caspase-2, an upstream regulator of apoptosis in serum-deprived primary neurons</b>
17.	Chechneva, O., Dinkel, K., Cavaliere, F., Martinez-Sanchez, M., Reymann, K. G. <i>Leibniz Institute for Neurobiology, Project Group Neuropharmacology, Magdeburg, Germany Research Institute for Applied Neuroscience (FAN gGmbH), Magdeburg, Germany</i> <b>Anti-inflammatory treatment in oxygen-glucose deprived hippocampal slice cultures is neuroprotective and associated with reduced cell proliferation and intact neurogenesis</b>

18.	Chechneva, O., Kierdorf, K., Neumann, H. <i>Institute for Reconstructive Neurobiology, Medical Faculty, University Bonn, Bonn, Germany</i> <b>Differentiation of embryonic stem cells to microglia</b>
19.	Chorny, S. A, Parhomenko, Y.M. <i>Palladin Institute of Biochemistry, Academy of Sciences of Ukraine, Kiev, Ukraine</i> <b>Oxidative stress induced by thiamine antagonists alters cellular energy metabolism and leads to apoptosis in neuronal cells</b>
20.	Chuang, J. I., Chen, W. J., Tsai, M. S. <i>Department of Physiology, College of Medicine, National Cheng Kung University, Tainan, Taiwan; Putz General Hospital, Department of Health, Executive Yuan, Taiwan</i> <b>Effect of melatonin on the activation of signal transducers and activators of transcription (STAT) after traumatic brain injury</b>
21.	Coremans, V., Oh, H., De Vriese, A., Jansen, S., Femke Zwerts, Betz, I., Collen, D., Nagai, N., Conway, E. M. <i>Center for Transgene Technology and Gene Therapy, LEUVEN Belgium</i> <b>Development of transgenic mouse models to assess the protective role of neuronal cell surviving</b>
22.	Cullen, A., Gobbo, O., Kelly, J., O'Mara, S., Tipton, K., Davey, G. <i>School of Biochemistry and Immunology &amp; Trinity College Institute of Neuroscience, Dublin, Ireland</i> <b>Attenuation of the Neurotoxicity of Kainic Acid by Thyrotropin-Releasing Hormone</b>
23.	Dihné, M., Bernreuther, C., Hammond, M. S. L., Wesche, K.O. , Schachner, M. <i>Zentrum für Molekulare Neurobiologie, Universität Hamburg, Hamburg, Germany</i> <b>Transplanted purified embryonic stem cell-derived aggregates of immature neurons and radial glia show improved neuronal yield and migration as well as reduced tumor formation</b>
24.	Eschenfelder, C. C., Krug, R, Yusofi, F., Meyne, J., Herdegen, T., Deuschl, G. <i>Department of Neurology, Department of Pharmacology, University-Hospital Schleswig-Holstein, Campus Kiel, Kiel, Germany</i> <b>Overcoming the dilemma of metabolic hypoxia following transient cerebral ischemia</b>
25.	Fernández-López, D., Pazos, M. R., Romero, J., Moro, M. A., Lizasoain, I., Martínez-Orgado, J. A. <i>Departament of Pharmacology, Faculty of Medicine, Complutense University of Madrid. Laboratory for Research Support, Alcorcón Hospital Foundation, Madrid. Pediatrics and Neonatology Area, Alcorcón Hospital Foundation, Madrid, Spain</i> <b>The cannabinoid agonist win 55,212-2 improves cerebral tissue recovery after experimental newborn hypoxia-ischemia in a CB1 and CB2 receptor dependent manner</b>
26.	Fogal, B., Li, J., Silakova, J. M., McCullough, L. D., Hewett, S. J. <i>Program in Neuroscience, UCONN Health Center, Farmington, USA</i> <b>IL-1 receptor type I-deficient mice are less susceptible to cerebral ischemic and excitotoxic brain damage</b>
27.	Foster K. A., Turner D. A. <i>Division of Neurosurgery, Duke University, Veterans Affairs Medical Center, Durham, North Carolina, USA</i> <b>Effects of aging and NADH hyperoxidation on neuronal recovery following hypoxia in rat hippocampal slices</b>

28.	García Rodríguez, J. C., Sosa Testé, I., García-Salman, J. D., Coro Antich, R. M., Subirós Martínez, N., Perez-Saad, H. <i>CENPALAB, Havana, Cuba</i> <b>Permanent unilateral brain ischemia in gerbils: new perspectives</b>
29.	García Salman, J. D., Menéndez, S., Coro Antich, R. M., García Cabrera, M., Cuba Peña A., Pérez-Saad, H. <i>Institution: Instituto de Neurología y Neurocirugía, MINSAP, Havana, Cuba</i> <b>Neuroprotection with ozone in the therapy: new findings in experimental brain ischemia</b>
30.	Genetta, T., Sola, A., Wen, T.-C., Sequeira, J., Priani, A., Wu, H., Feng, G. <i>Departments of Pediatrics, Pathology and Lab Medicine, Neurology and Bioinformatics, Emory Univ. School of Medicine, Atlanta, USA</i> <b>The transcriptional repressor ZEB, targeted by HIF-1 alpha in response to stroke, is dramatically up-regulated in the ischemic cortex and represses a number of pro-apoptotic genes</b>
31.	Gerich, F., Müller, M. <i>Zentrum für Physiologie und Pathophysiologie, Universität Göttingen, Göttingen, Germany</i> <b>Modulation of hypoxic spreading depression by redox state and mitochondrial metabolism</b>
32.	Gibson, C.L., Gray, L., Murphy, S.P., Bath, P. M. W. <i>Institute of Cell Signalling, Institute of Neuroscience, Queens Medical Centre, University of Nottingham, Nottingham, UK</i> <b>Estrogens for experimental stroke: a systematic review</b>
33.	Gieseler, A., Kupsch, K., Wolf, G. <i>Institute of Medical Neurobiology, Otto-von-Guericke-University Magdeburg, Germany</i> <b>Oxidative stress as a trigger for apoptotic events in cells with pharmacologically induced deficit in oxidative phosphorylation</b>
34.	Giusi, G., Alò, R., Canonico, M., Facciolo, R. M. <i>Comparative Neuroanatomy Laboratory, Ecology Department, University of Calabria, Italy</i> <b>Multiple neuroprotective mechanisms are involved in lead-dependent stress condition in the brain of the teleost <i>Thalassoma pavo</i></b>
35.	Giusi, G., Alò, R., Carelli, A., Facciolo, R. M., Canonico, M. <i>Comparative Neuroanatomy Laboratory, Ecology Department, University of Calabria, Cosenza, Italy</i> <b>Structural alterations and consequent abnormal behaviors of the teleost brain are related to the histaminergic H2 receptor</b>
36.	Glab, M., Wilczynski, G. M., Szewczyk, A. <i>Nencki Institute of Experimental Biology, Warsaw, Poland</i> <b>Identification of the large conductance calcium-activated potassium channel in rat brain mitochondria</b>
37.	Goldschmidt, J., Baldauf, K., Ziabreva, I., Reymann, K. G., Scheich, H., Schröder, U. H. <i>Leibniz-Institut für Neurobiologie, Klinik für Neurologie II der Otto-von-Guericke-Universität Magdeburg, Forschungsinstitut Angewandte Neurowissenschaften GmbH (FAN) Magdeburg, Germany</i> <b>Single-cell resolution mapping of metabolic alterations in focal cerebral ischemia: a thallium uptake study using thallium diethyldithiocarbamate as a tracer</b>

38.	Gomes, J. R., Manadas, B. J., Melo, C. V., Duarte, C. B. <i>Center for Neuroscience and Cell Biology and Department of Zoology, University of Coimbra, Coimbra, Portugal</i> <b>Downregulation of the vesicular GABA transporter under excitotoxic conditions, by calpain I cleavage</b>
39.	Gorbacheva, L. R., Strukova, S. M., Storozhevykh, T. P., Pinelis, V. G., Ishiwata, S. <i>The Lomonosov Moscow State University, Department of Human &amp; Animal Physiology; The Scientific Center for Children Health, Russian Acad.Med.Sci., Moscow, Russia; School of Science and Engineering, Advanced Research Institute for Science and Engineering, Waseda University, Tokyo, Japan</i> <b>Proteinase - activated receptors impact to hippocampal neurons survival</b>
40.	Granata T., Madeo M., Carelli A., Facciolo R.M. and Canonaco M. <i>Comparative Neuroanatomy Laboratory, Ecology Department, University of Calabria, Italy</i> <b>3-nitropropionic acid neurotoxic effects induce altered transcriptional levels of heat shock protein 70 in the cerebellum of the hamster</b>
41.	Grass, S., Wurm, F., Kunze, A., Witte, O.W., Redecker, C. <i>Department of Neurology, Friedrich-Schiller-University, Jena, Germany</i> <b>Effects of activity on the perilesional glial response after cortical infarcts</b>
42.	Haibo, Y., Zhuoxin, Y. <i>Affiliated Shenzhen Hospital to Guangzhou TCM University, Shenzhen, China</i> <b>Explore the environmental signal of acupuncture in association with neural stem cells after cerebral ischemia</b>
43.	Haroon, M. F., Horn, T., Kirches, E., Wolf, G. <i>Institute für Medizinische Neurobiologie, Magdeburg Germany</i> <b>Minocycline alleviates free radical-induced calcium deregulation the role of mitochondrial permeability transition pore</b>
44.	Henrich-Noack, P., Gorkin, A. G., Reymann, K. G. <i>Leibniz Institute for Neurobiology Magdeburg, Institute of Applied Neurosciences (FAN gGmbH), ZENIT, Magdeburg, Germany; Institute of Psychology, Russian Academy of Sciences, Moscow, Russia</i> <b>Predictive value of changes in electroencephalogram and excitatory postsynaptic field potential for ischaemic damage</b>
45.	Horn A.P., Gerhardt D., Zamin L.L., Simão F., Nassif M.C., Horn F., Netto C.A., Lenz G., Salbego. C.G. <i>Universidade Federal do Rio Grande do Sul Ramiro Barcelos, Porto Alegre, Brazil</i> <b>Cellular death in hippocampus in response to PI3K pathway inhibition and oxygen and glucose deprivation</b>
46.	Itier, V., Grannec, G., Cadusseau, J., Onteniente, B. <i>INSERM UMR 421 Université Paris Val-de-Marne Creteil, France</i> <b>Long term functional efficacy of Tat-XT fusion proteins in ischemic stroke</b>
47.	Jekabsone, A., Brown, G. C. <i>Department of Biochemistry, University of Cambridge, Cambridge, UK, Institute for Biomedical Research, Kaunas University of Medicine, Kaunas, Lithuania</i> <b>Nitric oxide from Nnos sensitizes neurons to hypoxia</b>
48.	Kahlert, S., Reiser, G. <i>Otto-von-Guericke-Universität Magdeburg, Institut für Neurobiochemie, Magdeburg, Germany</i> <b>Inhibition of glycolysis is detrimental to Ca<sup>2+</sup> homeostasis of rat hippocampal neurons in combination with excitotoxic glutamate challenge</b>

49.	Kameda, M., Shingo, T., Uozumi, T., Date, I. <i>Neurological Surgery, Okayama Univ. Graduate School of Medicine, Okayama, Japan</i> <b>Transplantation of adult neural stem cells transfected with the GDNF gene is useful in treatment of ischemic model of rats</b>
50.	Kelicen, P., Nihan, Burul-Bozkurt, N., Pekiner, C. <i>Hacettepe University, Faculty of Pharmacy, Department of Pharmacolog, Ankara, Turkey</i> <b>Aromatase and SREBP alteration in rat hippocampus following global cerebral ischemia</b>
51.	Kelsen, J., Hundahl, C., Kjær, K., Biilmann Rønn, L. C., Weber, R. E., Geuens, E., Hay-Schmidt, A., Nyengaard, J. R. <i>C.H., R.E.W.: Department of Zoophysiology, Institute of Biology, University of Aarhus, Aarhus, Denmark J.K.: The Water and Salt Research Center, University of Aarhus, Aarhus, Denmark J.K., J.R.N.: Institute of Clinical Medicine, University Hospital of Aarhus, Aarhus N, Denmark K.K., L.C.B.R.: NeuroSearch A/S, Ballerup, Denmark E.G.: Department of Biomedical Sciences, University of Antwerp, Antwerp, Belgium A.H.S.: Department of Anatomy, Panum Institute, University of Copenhagen, Copenhagen N, Denmark J.R.N.: Stereology and Electron Microscopy Research Lab and MIND Center, University of Aarhus, Aarhus, Denmark</i> <b>Does neuroglobin protect neurons from ischemic insult? A quantitative investigation of neuroglobin expression following transient MCAo in spontaneously hypertensive rats</b>
52.	Koch, P., Driehaus, J., Opitz, T., Ladewig, J., Steinbeck1, J., Brüstle, O. <i>Institute of Reconstructive Neurobiology, LIFE &amp; BRAIN Center, University of Bonn, Bonn, Germany</i> <b>Derivation of neural stem cells from human ES cells</b>
53.	Kolodziej, A., Stumm, R., Henrich-Noack, P., Riek-Burchardt, M., Reymann, K. G., Hoell, V. <i>Institute of Pharmacology and Toxicology; Otto-von-Guericke-University, Magdeburg Institute for Applied Neuroscience (FAN gGmbH), Magdeburg, Germany</i> <b>A role for the CXCR4 chemokine receptor in postlesional neurogenesis</b>
54.	Kowalczyk, J. E., Beresewicz, M., Zablocka, B. <i>Molecular Biology Unit, Mossakowski Medical Research Centre Polish Academy of Sciences, Warsaw, Poland</i> <b>Transient brain ischemia differently modulates the level of PKC isoforms in mitochondria isolated from ischemia-vulnerable and ischemia-resistant regions of Mongolian gerbil hippocampus in vivo.</b>
55.	Kronenberg, G., Wang, L.-P., Synowitz, M., Gertzl, K., Katchanov, J., Glass, R., Harms, C., Kempermann, G., Kettenmann, H., Matthias Endres, M. <i>Klinik und Poliklinik für Neurologie, Charité-Universitätsmedizin Berlin, Klinik und Poliklinik für Psychiatrie, Charité-Universitätsmedizin Berlin, Neuronal Stem Cells, Max-Delbrueck-Center for Molecular Medicine, Cellular Neurosciences, Max-Delbrueck-Center for Molecular Medicine, Berlin-Buch, Germany</i> <b>Nestin-expressing cells divide and adopt a complex electrophysiologic phenotype after transient brain ischemia</b>
56.	Kunze, A., Grass, S., Witte, O. W., Kempermann, G., Redecker, C. <i>Department of Neurology, Friedrich-Schiller-University, Jena, Germany; Max-Delbrück-Center for Molecular Medicine (MDC) Berlin-Buch, Berlin, Germany</i> <b>Early proliferative response of radial glia-like progenitor cells in the dentate gyrus following focal ischemia</b>
57.	Kupsch, K., Parvez, S. Siemen, D., Wolf, G. <i>Institut für Medizinische Neurobiologie Klinik für Neurologie, Otto-von-Guericke-Universität Magdeburg, Germany</i> <b>Effect of mitoKATP-channel inhibitor 5-Hydroxy-decanoate on mitochondrial permeability transition in brain versus liver mitochondria</b>

58.	<p>Ladewig, J., Koch, P., Meiners, B., Itskovitz-Eldor, J., Couillard-Despres, S., Aigner, L. Brüstle, O.  <i>Institute of Reconstructive Neurobiology, LIFE &amp; BRAIN Center, University of Bonn and Hertie Foundation; Institute of Molecular Medicine and Experimental Immunology, University of Bonn; Department of Obstetrics and Gynecology, Rambam Medical Center, Israel Medical Center, Haifa, Israel; Department of Neurology, University of Regensburg, Germany</i>  <b>Lineage selection of doublecortin-positive human ES cell-derived neurons</b></p>
59.	<p>Lo, C.-P., Chen, S.-T.  <i>Department of Cell Biology &amp; Anatomy, National Cheng Kung University, Medical college, Taiwan</i>  <b>The role of WOX1 in neuronal death under ischemia and hypoxia</b></p>
60.	<p>Ma, X., Liu, K., Jiang, X.  <i>Department of Neurology, First Hospital, Jilin University, Changchun, China.P.R.</i>  <b>Proteomic analysis of rat cerebral ischemia after MCAO by fluorescence two-dimensional difference gel electrophoresis</b></p>
61.	<p>Macas, J., Nern, C., von Randow, J., Woszczyk, A., Franz, K., Seifert, V., Plate, K.H., Momma, S.  <i>Edinger Institute, Department of Neurosurgery, University Hospital Frankfurt, Frankfurt/Main, Germany</i>  <b>Increased generation of neuronal progenitors after injury in the adult human forebrain</b></p>
62.	<p>Mäkinen, S., Nystedt, J., Kekäräinen, T., Närvänen, A., Laine, J., Jolkkonen, J.  <i>Department of Neuroscience and Neurology, University of Kuopio, Kuopio, Finland, Research and Development, Finnish Red Cross Blood Services, Helsinki, Finland, Department of Chemistry, University of Kuopio, Kuopio, Finland</i>  <b>Human umbilical cord blood cells do not improve sensorimotor or cognitive outcome following transient middle cerebral artery occlusion in rats</b></p>
63.	<p>Markiewicz, I., Kozłowska, H., Sarnowska, A., Jurga, M., Domanska-Janik, K., Lukomska, B.  <i>NeuroRepair Dept. Medical Research Institute, Warsaw, Poland</i>  <b>Human umbilical cord blood derived neural stem cell (HUCB-NSC) have the potential to undergo neural differentiation both in vitro and in vivo</b></p>
64.	<p>Mátéffyová, A., Tsenov, G., Otáhal, J., Marš, P., Kubová, H.  <i>Institute of Physiology, Academy of Sciences of the Czech Republic, Prague, Czech Republic</i>  <b>New model of ischemia-induced seizures in immature rats</b></p>
65.	<p>Mawrin, C., Vorwerk, C. K.  <i>Neuropathology &amp; Ophthalmology University of Magdeburg</i>  <b>Retinal expression of the CREB-dependent genes c-Fos and Bcl-2 following acute optic nerve damage and their role for retinal ganglion cell death</b></p>
66.	<p>Mazurová Y., Rudolf E., Gunčová I., Látr I.  <i>Dept. of Histology and Embryology, Dept. of Medical Biology and Genetics, Charles University Prague, Faculty of Medicine in Hradec Králové, Neurosurgery Clinic, Faculty Hospital, Hradec Králové, Czech Republic</i>  <b>Activation of neurogenic niche in response to neurodegenerative process within the striatum</b></p>
67.	<p>Nair, S. M., Rahman R. M. A., Sutherland, B.A., Shaw, O. M., Appleton, I.  <i>Department of Pharmacology and Toxicology, University of Otago, Dunedin, New Zealand</i>  <b>The localization of melatonin, and its membrane receptors following stroke</b></p>

68.	<p>Neprasova, H., Anderova, M., Benesova, J., Chvatal, A.  <i>Dept. of Neurobiology, Inst. of Experimental Medicine, Academy of Sciences of the Czech Republic and Center for Cell Therapy and Tissue Repair, 2nd Medical Fac., Charles Univ., Prague, Czech Republic</i>  <b>The effect of global cerebral ischemia on hippocampal astrocytes in rats? An electrophysiological and immunohistochemical analysis</b></p>
69.	<p>Nern, C., Wolff, I., Macas, J., v. Randow, J., v. Laer, R.M., Plate, K.H., Momma, S.  <i>Edinger Institute, University Hospital Frankfurt, Frankfurt/Main, Germany</i>  <b>Potential contribution of hematopoietic cells to (re-)generation of liver, heart and purkinje neurons in vivo</b></p>
70.	<p>Neumann, J., Gunzer, M., Gutzeit, H. O., Ullrich, O., Klaus G. Reymann, K. G., Dinkel, K.  <i>Leibniz Institute for Neurobiology, Project Group Neuropharmacology, Magdeburg, Germany, Institute for Applied Neuroscience (FAN gGmbH, Magdeburg, Germany, Institute of Immunology, University Hospital Magdeburg, Magdeburg, Germany, Institute of Zoology, Technical University Dresden, Dresden, Germany, German Research Centre for Biotechnology, Research Group Immunodynamics, Braunschweig, Germany</i>  <b>Microglia provide neuroprotection after ischemia</b></p>
71.	<p>Nielsen, M., Noraberg, J., Diemer, N.H., Zimmer, J.  <i>Lab. of Neuropathology, Univ. of Copenhagen, Denmark, Inst. of Medical Biology, Anatomy and Neurobiology, Univ. of Southern Denmark, Odense, Denmark, Medical Biotechnology Center, Univ. of Southern Denmark, Odense, Denmark, Inst. of Medical Biology, Anatomy and Neurobiology, Univ. of Southern Denmark, Odense, Denmark</i>  <b>Expression of Endonuclease G after in-vitro ischemia.</b></p>
72.	<p>Noblejas, M. I., Prilloff, S., Sabel, B. A.  <i>Institute of Medical Psychology, University of Magdeburg Medical School, Magdeburg, Germany</i>  <b>The dual role of calcium activation after neurotrauma: death or recovery of retinal ganglion cells in vivo depends on intracellular calcium dynamics after optic nerve crush</b></p>
73.	<p>Nolden, L., Edenhofer, F., Haupt, S., Koch, P., Siemen, H., Brüstle, O.  <i>Institute of Reconstructive Neurobiology, Stem Cell Engineering Group, University of Bonn Life &amp; Brain Center and Hertie Foundation, Bonn, Germany</i>  <b>Cre protein transduction: A tool for conditional genetic manipulation of ES cells and their neural progeny</b></p>
74.	<p>Pastor, D., Fradejas, N., Calvo, S.  <i>Facultad de Medicina y Centro Regional de Investigaciones Biomedicas, UCLM, Albacete, Spain</i>  <b>Involvement of caspase 11 in ischemia-induced astrocyte apoptosis</b></p>
75.	<p>Pereira, M.P., Morales, J.R., Hurtado, O., Lizasoain, I., Moro, M. A.  <i>Departamento de Farmacología, Facultad de Medicina. Universidad Complutense de Madrid, Madrid, Spain</i>  <b>5-Lipoxygenase is involved in neuroprotection by rosiglitazone in cerebral ischaemia.</b></p>
76.	<p>Pforte, C., Henrich-Noack, P., Baldauf, K., Reymann, K. G.  <i>Leibniz Institute for Neurobiology, Magdeburg, Research Institute for Applied Neurosciences (FAN), ZENIT, Magdeburg, Germany</i>  <b>Increase in proliferation of microglia/macrophages but decrease of early neurogenesis in the rat forebrain shortly after transient global ischemia</b></p>
77.	<p>Pradillo, J. M., JR Caso, J. R., Hurtado, O., Moro, M. A., Lizasoain, I.  <i>Departamento de Farmacología, Facultad de Medicina, Universidad Complutense de Madrid, Madrid, Spain</i>  <b>The role of toll-like receptor 4 in experimental stroke</b></p>

78.	<p>Raab, S., Beck, H., Heil, M., Thom, S., Shibuya, M., Plate, K.-H.  <i>Edinger Institute, J. W. Goethe-University, Frankfurt, Institute of Physiology, Ludwig-Maximilians-University, Munich, Max-Planck-Institute for heart and lung research, Bad Nauheim, Institute of Medical Science, University of Tokyo, Japan</i>  <b>The recruitment of bone-marrow derived cells into the infarcted brain is dependent on VEGF receptor-1 signaling</b></p>
79.	<p>Ramos, A. J., Accorinti, J., Brusco, A.  <i>Instituto de Biología Celular y Neurociencias Prof. E. De Robertis, Facultad de Medicina, Universidad de Buenos Aires, Buenos Aires, Argentina</i>  <b>Rage and S100B: partners in neuroprotection?</b></p>
80.	<p>Reinhold, D., Röhnert, P., Wilhelmi, E., Wrenger, S., Faust, J., Neubert, K., Thilo Kähne, T., Lendeckel, U., Striggow, F.  <i>Institute of Immunology, Otto-von-Guericke-University, Magdeburg, KeyNeurotek AG, Magdeburg, Institute of Biochemistry, Martin-Luther-University-Halle/Wittenberg, Halle/Saale, Institute of Experimental Internal Medicine, Otto-von-Guericke-University, Magdeburg, Germany</i>  <b>Role of dipeptidyl peptidase IV (DP IV) and DP IV-like proteases in neuronal protection against cerebral ischemia</b></p>
81.	<p>Riek-Burchardt, M., Henrich-Noack, P., Reiser, G., Reymann, K. G.  <i>Leibniz-Institut fuer Neurobiologie, Project Group Neuropharmacology, Forschungsinstitut Angewandte Neurowissenschaften GmbH (FAN) Contract Research, Otto-von-Guericke-Universität, Medizinische Fakultät, Institut für Neurobiochemie, Magdeburg, Germany</i>  <b>Specific localisation of PAR4 in the hippocampus</b></p>
82.	<p>Rufke, C., Schreiber, T., Klotz, K.-N., Nieber, K.  <i>Institute of Pharmacy, Pharmacology for Natural Sciences, University of Leipzig, Institute of Pharmacology, University of Würzburg, Würzburg, Germany</i>  <b>In vitro desensitization of adenosine A1 receptors after exposure to adenosine analogues</b></p>
83.	<p>Ryan, J. S., Morey, J. S., Ramsdell, J. S., Van Dolah, F. M.  <i>Marine Biotoxins Program National Ocean Charleston, USA</i>  <b>Gene expression induction in blood and brain by the marine neurotoxins domoic acid and brevetoxin</b></p>
84.	<p>Salbego, C.G., Zamin, L.L., Dillenburg-Pilla, P., Horn, A.P., Nassif, M.C., Simão, F., Netto, C.A  <i>Universidade Federal do Rio Grande do Sul Ramiro Barcelos, Porto Alegre, Brazil</i>  <b>Protective effect of resveratrol against oxygen-glucose deprivation in organotypic hippocampal slice cultures: Involvement of PI3-k pathway</b></p>
85.	<p>Sarnowska, A., Beresewicz, M., Zablocka, B., Domanska-Janik, K.  <i>Polish Academy of Sciences, Medical Research Institute, Neurorepair Department, Warsaw, Poland</i>  <b>Neuroprotective effect of diazepam on CA1 neurons comprises a combination of hypothermic and mitochondria-stabilizing components</b></p>
86.	<p>Sauerzweig, S., Günther Kern, A., Klaus G. Reymann, K. G., Braun, H.  <i>Research Institute for Applied Neuroscience (FAN gmbH) - Leibniz Institute for Neurobiology (IfN), Magdeburg, Germany</i>  <b>Spontaneous expression of the neural marker proteins nestin and <math>\beta</math>III-tubulin in mesenchymal stem cells from rats</b></p>
87.	<p>Schänzer, A., v. Laer, R., Beck, H., Plate, K. H., Momma, S.  <i>Institute of Neurology (Edinger Institute), JW Goethe University Frankfurt; Germany</i>  <b>Neurogenesis after permanent occlusion of the middle cerebral artery (pMCAO) in adult mice is induced in the striatum but is not elevated in the hippocampus</b></p>

88.	Schänzer, A., Wachs, F.-P., Acker, T., Wilhelm, D., Kuhn, H. G., Plate, K. H. <i>Institute of Neurology (Edinger Institute), JW Goethe University Frankfurt, Germany Department of Neurology, University of Regensburg, Regensburg, Germany</i> <b>Vascular endothelial growth factor (VEGF) induces neurogenesis in the adult brain</b>
89.	Schmeer, C., Kretz, A., Tausch, S., Isenmann, S., Witte, O. W. <i>Department of Experimental Neurology, University of Jena Medical School, Jena, Germany</i> <b>Statin treatment modulates heat shock protein expression and cytochrome c levels in the retina and improves survival of retinal ganglion cells after optic nerve axotomy and acute retinal ischemia</b>
90.	Schmitt, K. R. L., Kern, C., Hechler, D., Ullrich, O., Berger F., Lange, P. E., Nitsch, R., Abdul-Khaliq, H., Hendrix, S. <i>Institute of Cell Biology and Neurobiology, Center for Anatomy, Charité ? Universitätsmedizin Berlin; Dept. of Molecular Immunology and Neuroimmunology, Institute of Immunology, Otto-von-Guericke University, Magdeburg; Clinic for Congenital Heart Disease and Pediatric Cardiology, German Heart Institute Berlin, Germany</i> <b>Methylprednisolone and deep hypothermia support neuronal survival in neonatal brain slices</b>
91.	Schwarting, S., Hao, W., Neumann, H., Bähr, M., Weise, J. <i>Department of Neurology and European Neuroscience Institute, University of Goettingen, Germany</i> <b>Reduction of ischemia induced neuronal injury by early post-stroke application of hematopoietic stem cells in mice</b>
92.	Setkowicz, Z., Janeczko, K. <i>Department of Neuroanatomy, Institute of Zoology, Jagiellonian University, Kraków, Poland</i> <b>Different effects of cyclosporin A and FK-506 on the developing rat brain</b>
93.	Shanina, E., Witte, O. W., Redecker, C. <i>Department of Neurology, Friedrich-Schiller-University, Jena, Germany</i> <b>Effects of sequential bilateral cortical infarcts on remote neuronal degeneration in thalamic nuclei</b>
94.	Slais, K., Homola, A., Zoremba, N., Kuhlen, R., Syková, E. <i>Institute of Experimental Medicine, Academy of Sciences of the Czech Republic, Prague, Czech Republic, Department of Neuroscience and Center for Cell Therapy and Tissue Repair, 2<sup>nd</sup> Medical Faculty, Prague, Czech Republic, Department of Intensive Care Medicine, University Hospital RWTH Aachen, Aachen, Germany, Department of Pharmacology, Faculty of Medicine, Masaryk University, Brno, Czech Republic</i> <b>Brain metabolism and extracellular diffusion parameters after transient global hypoxia and hypoxia/ischemia in the rat</b>
95.	Song, M., Kim, Y.-J., Kim, Y.-h., Kim, Y., Yoon, B.-W. <i>Department of Neurology, Clinical Research Institute, Seoul National University Hospital, Yongon-dong, Chongno-gu, Seoul, Korea</i> <b>Effect of human neural stem cell intravenously transplanted time window on endogenous stem cell proliferation after rat cerebral ischemia model</b>
96.	Sosa Testé, I., García Salman, J. D., Subirós N., González, C., Rodríguez, Y., Yanet, C., Santana J., García Rodríguez, J. C. <i>CENPALAB, INN, ISCM V. Girón., CIM, ISCTN Havana, Cuba</i> <b>Neuroprotective effect of nasal administration of rH-erythropoietin on post-ischemic brain injury in Mongolian gerbils</b>

97.	<p>Strokin, M., Chechneva, O., Reymann, K. G., Reiser, G.  <i>Otto-von-Guericke-Universität Magdeburg, Medizinische Fakultät, Institut für Neurobiochemie, Leibniz Institute for Neurobiology, Magdeburg, Germany</i>  <b>Neuroprotection of rat hippocampal slices exposed to oxygen-glucose deprivation by enrichment with docosahexaenoic acid and by inhibition of hydrolysis of docosahexaenoic acid-containing phospholipids by calcium independent phospholipases A<sub>2</sub></b></p>
98.	<p>Strosznajder, R. P., Czapski, G., Jesko, H., Strosznajder, J. B.  <i>Dept. of Respiratory Research, Dept. of Cellular Signaling, Medical Research Centre, Polish Academy of Science, Warsaw, Poland</i>  <b>Poly(ADP-ribose) polymerase activity and expression in brain aging and ischemia reperfusion injury</b></p>
99.	<p>Stumm, R., Schulz, S., Kronenberg, G., Endres, M., Höllt, V.  <i>Institute of Pharmacology and Toxicology, Otto-von-Guericke-University Magdeburg, Magdeburg; Department of Neurology, Charite, Humboldt University of Berlin, Germany</i>  <b>Somatostatin receptor sst2 inhibits Akt kinase activity and enhances ischemia-induced neuronal death</b></p>
100.	<p>Taoufik, E., Mengozzi, M., Tseveleki, V., Ghezzi, P., Cerami, A., Brines, M., M. Lesley Probert, M. L.  <i>Laboratory of Molecular Genetics, Hellenic Pasteur Institute, Athens, Hellas 2Mario Negri Institute for Pharmacological Research, Milan, Italy 3The Kenneth S. Warren Institute, Kitchawan, USA</i>  <b>TNF receptor I protects cortical and hippocampal neurons from ischemic and excitotoxic injury by inducing EPO and EPO receptor expression</b></p>
101.	<p>Thoren, A. E., Sørbø, J. G., Holen, T., Moe, S. E., Bergersen, L., Ottersen, O. P., Nilsson, M., Nagelhus, E.  <i>Arvid Carlsson Institute, Institute of Clinical Neuroscience, Department of Neurology, Göteborg University, Sweden; Department of Anatomy, Institute of Basic Medical Sciences, University of Oslo, Norway</i>  <b>The monocarboxylate transporter MCT4 is enriched in glial endfeet: A quantitative immunogold study in mice</b></p>
102.	<p>Urbach, A., Redecker, C., Witte, O. W.  <i>Department of Neurology, Friedrich-Schiller-University Jena, Germany</i>  <b>Effects of cortical spreading depression on hippocampal neurogenesis and spatial learning in rats</b></p>
103.	<p>Vlug, A. S., Horn, T. H., Wolf, G.  <i>Institute for Medical Neurobiology, Otto-von-Guericke University Magdeburg, Germany</i>  <b>Oxyresveratrol as a stimulant for endogenous neurogenesis</b></p>
104.	<p>von Laer, R.1, Scharenberg C.2, Brendel, C.3, Momma, S.1  <i>Neurological Institute (Edinger Institute), University of Frankfurt, Frankfurt; Institute of Anatomy, Clinic of Hematology, Oncology and Immunology, University of Marburg, Germany</i>  <b>The side population in neurospheres revisited</b></p>
105.	<p>Weise, J., Sandau, R., Schwarting, S., Crome, O., Wrede, A., Schulz-Schaeffer, W., Zerr, I., Bähr, M.  <i>Department of Neurology and Neuropathology, University of Goettingen Medical School, Goettingen, Germany</i>  <b>Deletion of cellular prion protein results in reduced Akt activation, enhanced postischemic caspase-3 activation and exacerbation of ischemic brain injury</b></p>

106.	Wiedemann, F. R., Mawrin, C., Horn, T. F., Gellerich, F. N., Dietzmann, K., Siemen, D. <i>Departments of Neurology, Neuropathology, Medical Neurobiology, Otto-von-Guericke University, Key Neurotek AG, Magdeburg, Germany</i> <b>Mitochondrial membranes contain neurotrophin receptor TrkB</b>
107.	Wiegler, K., Bonny, C., Coquoz, D., Bogousslavsky, J., Hirt, L. <i>Neurology, CHUV, Lausanne, Switzerland, Medical Genetics CHUV, Lausanne, Switzerland and Xigen Pharmaceuticals</i> <b>Powerful neuroprotective activity of XG102 administered intravenously in a mouse stroke model</b>
108.	Wohl, S. G., Kretz, A., Isenmann, S. <i>Department of Experimental Neurology, University of Jena Medical School, Jena, Germany</i> <b>Optic nerve lesion induces potential neural progenitor cell proliferation in the adult mouse retina</b>
109.	Wu, C-W., Tsai, H-J., Chen, Y-C., Tu, N-C., Chen, H-I., Chen, H-W., Kuo, Y-M. <i>Institute of Basic Medical Sciences, Department of Cell Biology and Anatomy, Department of Physiology, National Cheng Kung University, Tainan, Taiwan</i> <b>Regular physical activity enhances adult mouse hippocampal neurogenesis but not improve spatial learning and memory after peripheral lipopolysaccharide administration</b>
110.	Wurm, F., Grass, S., Kunze, A., Witte, O. W., Redecker, O. <i>Department of Neurology, Friedrich-Schiller-University, Jena, Germany</i> <b>Effects of sensorimotor forelimb training and environmental enrichment on neurogenesis in the dentate gyrus after focal cortical infarcts</b>
111.	Yang, C.-C., Chen, C.-F. <i>Tao-Yuan Armed Forces General Hospital Tri-Service General Hospital, Tao-Yuan County, Taiwan</i> <b>Stroke rehabilitation outcome study using NIHSS and Barthel Index</b>
112.	Yang, D.-Y. Pan, H.-C., Chen, R., Liang, S., Chien, J., Cheng, F.-C. <i>Stem Cell Center, Department of Medical Research, Taichung Veterans General Hospital, Taichung, Taiwan</i> <b>The effects of granulocyte colony-stimulating factor and amniotic fluid-derived stem cells on enhanced cellular proliferation and functional recovery after cerebral ischemia in gerbils</b>
113.	Yasin; S., Uwanogho; D., Jeffries;A., Price, J. <i>MRC Centre for Neurodegeneration Research, King's College London, Institute of Psychiatry, Department of Neuroscience, London, UK</i> <b>Molecular and cellular aspects of fate determination in conditionally immortalised neural stem cells and their implications for brain repair</b>
114.	Yepes, M.D., Winkles J.A. <i>Department of Neurology and Center for Neurodegenerative Diseases, Emory University School of Medicine, Atlanta, USA</i> <b>Tweak disrupts the integrity of the neurovascular unit during cerebral ischemia</b>
115.	Zhao, Y., Patzer, A., Stöck, I., Gohlke, P., Herdegen, T., Culman, J. <i>Institute of Pharmacology, University Hospital of Schleswig-Holstein, Campus Kiel, Germany</i> <b>Activation of cerebral peroxisome proliferator-activated receptors gamma (PPAR<math>\gamma</math>) promotes neuroprotection after focal cerebral ischemia in the rat brain</b>

116.	Zoref-Shani, E., Reshef, A., Di Capua, N., Rogel, A., Bromberg, Y., Sperling, O. <i>Department of Human Molecular Genetics and Biochemistry, Sackler Faculty of Medicine, Tel-Aviv University, Tel-Aviv, Israel</i> <b>The adenosine-activated signal transduction pathway conferring protection against ischemia-reperfusion injury in primary rat neuronal cultures</b>
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