

# Poster Session

Thursday, May 8<sup>th</sup>, 8:00 AM - 7:30 PM

Friday, May 9<sup>th</sup>, 8:00 AM - 6:00 PM

## A. Stem Cells and Neuroregeneration

- 1. Detection of BrdU positive cells after transient focal cerebral ischemia: characterisation of newly generated cells**  
*Kathrin Baldauf, Petra Henrich-Noack, Klaus G. Reymann*  
Magdeburg, Germany
- 2. Overexpression of BACE-2 in fibroblasts, neural embryonic stem cells and foetal brain derived from Down's Syndrome patients**  
*Laura Barbiero, Luisa Benussi, Roberta Ghidoni, Antonella Alberici, Claudio Russo, Gennaro Schettini, Stefano F. Pagano, Eugenio A. Parati, Federica Mazzoli, Francesca Nicosia, Simona Signorini, Enrica Feudatari and Giuliano Binetti*  
Brescia, Genova, Milan, Italy
- 3. Participation of bone marrow-derived cells in long-term repair processes following experimental stroke**  
*Heike Beck, Robert Voswinckel, Shawn Wagner, Tibor Ziegelhoeffer, Matthias Heil, Armin Helisch, Wolfgang Schaper, Till Acker, Antonis K. Hatzopoulos, Karl H. Plate*  
Munich, Bad Nauheim, Frankfurt am Main, Germany
- 4. Transplanted human fetal CNS stem cells in rat cortical stroke: Cell survival, migration, differentiation and assessment of behavioural effects**  
*T.M. Bliss, S. Kelly, G.H. Sun, A.K. Shah, P. Kohli, M. Ma, W.C. Foo, C. Stokes, J. Masel, T. Schallert, M.A. Yenari, N. Uchida, T. Palmer, G.K. Steinberg*  
Stanford, Texas at Austin, Palo Alto, U.S.A.
- 5. Transplantation of human hNT cells for rat cortical stroke: cell survival and behavioural outcome**  
*S. Kelly, T.M. Bliss, G.H. Sun, A.K. Shah, P. Kohli, M. Ma, W.C. Foo, C. Stokes, T. Schallert, M.A. Yenari, M. McGrogan, T. Palmer, G.K. Steinberg*  
Stanford, Texas at Austin, Sunnyvale, U.S.A.
- 6. bFGF - mitogenic factor for stem cells: How does it regulate cell proliferation in organotypic hippocampal slice cultures?**  
*Chechneva O., Dinkel, K. Reymann K.G.*  
Magdeburg, Germany
- 7. L1 and neural precursor cells**  
*Marcel Dihné, Christian Bernreuther and Melitta Schachner*  
Hamburg, Germany

- 8. Proteomic profiling reveals protein diversification of differentiating adult rat neural stem cells**  
*Robert E. Feldmann Jr., Martin H. Maurer, Wolfgang Kuschinsky*  
Heidelberg, Germany
- 9. Stem cell proliferation in adult rat and mouse brain after experimentally induced neuronal loss: models for the investigation of neurogenesis and gliogenesis**  
*Torsten Hecht, Petra Henrich-Noack and Klaus G. Reymann*  
Magdeburg, Germany
- 10. Suppression of neurogenesis following ischemia**  
*B.D. Hoehn, T.D. Palmer, G.K. Steinberg*  
Stanford, U.S.A.
- 11. Characterization of cortical neurogenesis and tissue metabolism in adult mice after photothrombotic 'ring' stroke with late spontaneous reperfusion**  
*Wei Jiang, Weigang Gu, Roland Rosqvist and Per Wester*  
Umeå, Sweden
- 12. Neurogenesis in organotypic slice culture: Effects of BDNF and ischemia**  
*Philip J. Horner, David W. Newell, Martha K. Morehouse, Loan B. Nguyen, Carol A Robbins and Adriana Emmi*  
Seattle, U.S.A.
- 13. Neurogenesis And Cell Proliferation In The Adult Rat Dentate Gyrus Following Small Ischemic Infarcts**  
*M.M. Kluska, G. Kempermann, O.W. Witte, C. Redecker*  
Jena, Berlin, Germany
- 14. Effects of post-ischemic environmental enrichment on neural progenitors in the subventricular zone of the adult rat**  
*Mila Komitova, Bengt Mattsson, Li Ru Zhao, Barbro B. Johansson, Peter S. Eriksson*  
Göteborg, Lund, Sweden
- 15. Glutamate toxicity in neuroblastoma and oligodendrocyte progenitor cell lines**  
*Giuli Kvrivishvili and Huseyin Mehmet*  
London, UK
- 16. Morphological identification of endogenous stem cells and the influence of growth factors in organotypic hippocampal cultures (OHC) after traumatic injury**  
*Laskowski A., Schmidt W., Dinkel, K., and Reymann K.G.*  
Magdeburg, Germany
- 17. Ischemia in vitro increases cell proliferation and regulates the differentiation of newborn cells**  
*Martínez-Sánchez M., Schmidt W., Reymann K.G.*  
Magdeburg, Germany
- 18. Over-expression of neurotrophic factors CNTF and GDNF in neural progenitor cells (ST14A) increases viability, resistance to stress and differentiation capacity**  
*Eilhard Mix, Jens Pahnke, Peter Bauer, Sabine Weinelt, Sabine Peters, Beke Schubert, Dirk Koczan, Arndt Rolfs*  
Rostock, Tübingen, Germany; Zürich, Switzerland

- 19. Partial recovery of conditioned taste aversion after stem cell transplantation into insular cortex lesioned rats**  
*Ana-Luisa Piña, Stefanie Van Wagenen, Eva-Maria Störr, Marion Kubitzka, Frank-Peter Wachs, Ludwig Aigner, Jürgen Winkler, Alexander Brawanski*  
Regensburg, Germany
- 20. Restoration Of Ischemia-Induced Spatial Memory Deficits In Gerbils By Transplantation Of Human Embryonic Stem Cells**  
*Jin-Yong Chung, Young Jae Lee, Eun Young Kim, Dae-Hyun Hahm, Sepill Park, Hye-Jung Lee, Insop Shim, Jin Ho Lim*  
Suwon, Seoul, Korea
- 21. Neurotrophic effect of erythropoietin in organotypic slice cultures from neonatal rat hippocampus**  
*Jong-Yoon Lim, Hyun-Ho Kim, Hyuk-Sang Jung, Ran Won, Nak-Won Sohn*  
Yongin-City, South Korea
- 22. Properties of Na<sup>+</sup> currents in neuronal progenitor cells**  
*Rika Böttcher, Arndt Rolfs, Ulf Strauss*  
Rostock, Germany
- 23. The SDF-1 chemokine receptor CXCR4 directs cellular migration in the embryonic and lesioned adult brain**  
*Ralf K. Stumm, Chun Zhou, Françoise Lazarini, Monique Dubois-Dalcq, Toshiaki Ara, Takashi Nagasawa, Vera Junker, Carsten Culmsee, Josef Kriegelstein, Volker Höllt and Stefan Schulz*  
Magdeburg, Marburg, Germany; Paris, France; Kyoto, Japan
- 24. In vitro studies of endogenous and exogenous stem cell migration in the rostral migratory stream**  
*M. Tanvig, M. Blaabjerg, C. Bonde, R.K. Andersen, J. Zimmer and M. Meyer*  
Odense, Denmark
- 25. Transplantation of differentiated murine embryonic stem cells in a 6-hydroxydopamine rat model of Parkinson's disease**  
*K. Thinyane, P.C. Baier, J. Schindehütte, C. Trenkwaldler, E. Fuchs, W. Paulus, P. Gruss, G. Flügge*  
Göttingen, Germany
- 26. Neuronal protection, decreased demyelination and enhanced regeneration following spinal cord injury through inhibition of CD95 (Fas/APO-1)**  
*Deana Demjen, Cecilia Zuliani, Corinna Metzger, Werner Falk, Lutz Edler, Peter H. Krammer, Ana Martin-Villalba*  
Heidelberg, Regensburg, Germany
- 27. The chemokine Fractalkine (CX<sub>3</sub>CL1) has neurotrophic activity on cerebellar granule neurons**  
*Cristina Limatola, Clotilde Lauro, Sabrina Di Bartolomeo, Flavia Trettel, Teresa Ciotti and Fabrizio Eusebi*  
Rome, Italy

- 28. Nestin-positive progenitor cells generated from mouse intestinal epithelium are multipotent and differentiate into neural, mesodermal, hepatic and pancreatic cells in vitro**  
*Alexandra Rolletschek, Cornelia Wiese, Jaroslaw Czyz, Gabriela Kania, Przemyslaw Blyszczuk, Anne Navarrete-Santos, Kenneth R. Boheler and Anna M. Wobus*  
 Gatersleben, Halle, Germany; Baltimore, U.S.A.
- 29. Regenerative capability of entorhinal axons in a co-culture of entorhinal cortex and dentate gyrus on microelectrode arrays can be enhanced by a synthetic NCAM ligand**  
*Frank Hofmann, Cornelia Leibrock, Vladimir Berezin, Elisabeth Bock, Elke Günther and Hansjürgen Volkmer*
- 30. Nitric oxide – a mastermind in survival and recovery of neurons in dorsal root ganglia and cord after peripheral nerve axotomy**  
*Gerburg Keilhoff, Hisham Fansa, Gerald Wolf*  
 Magdeburg, Germany
- 31. Gene expression pattern of the contralesional motor cortex is affected by the lesion per se and by the overuse of the healthy contralateral forelimb**  
*Kathy Keyvani, Otto W. Witte, Sonja Reinecke and Werner Paulus*  
 Muenster, Jena, Germany
- 32. Gene expression analysis of intact and injured brain following environmental enrichment**  
*K. Keyvani, N. Sachser, O.W. Witte, W. Paulus*  
 Muenster, Jena, Germany
- 33. GABA-ergic response to cortical remodeling in vibrissal barrel field of mice.**  
*M. Kossut, E. Siucinska M. Lech, E., A. Skibinska*  
 Warsaw, Poland
- 34. Neurotrophins and glial neurotrophism**  
*Zimmermann and K. Bode*  
 Darmstadt, Mannheim, Germany

## **B. Neuropathology: Pathways, compounds, mechanisms**

- 35. Astroglial cells express activated caspase-3 following an excitotoxic injury to the immature and aging rat brain**  
*L. Acarin, M. M. Castillo-Ruiz, O. Campuzano, M. Faiz, B. González and B. Castellano*  
 Barcelona, Spain
- 36. A role of interleukin 6 in hippocampal long-term potentiation and spatial learning**  
*D. Balschun, F. Pitossi, H. Schneider, W. Zuschratter, A. del Rey, H. O. Besedovsky and W. Wetzell*  
 Magdeburg, Marburg, Germany; Buenos Aires, Argentina
- 37. Involvement of extra- and intraterminal calcium in the acute effect of NGF on glutamate release from rat visual cortex**  
*Luca Raiteri, Sara Stigliani, Silvia Giovedì, Fabio Benfenati, Maurizio Raiteri and Giambattista Bonanno*  
 Genova, Italy; Göttingen, Germany; Copenhagen, Denmark

- 38. Extracellular ATP receptors P2X<sub>2</sub> and P2X<sub>4</sub> are markers of ischemic neuronal damage**  
*Fabio Cavaliere, Fulvio Florenzano, Susanna Amadio, M.Teresa Viscomi, Francesca R. Fusco, Nadia D'Ambrosi, Fabrizio Vacca, Giuseppe Sancesario, Giorgio Bernardi, Marco Molinari and Cinzia Volontè*  
Rome, Italy
- 39. ATP, calcium, and nitric oxide sensitivity of the mitochondrial K<sub>ATP</sub> channel**  
*Yuliya Dahlem, Thomas F. W. Horn, Linas Buntinas, Gerald Wolf and Detlef Siemen*  
Magdeburg, Germany
- 40. Neurotoxic effects of polymorphonuclear granulocytes on hippocampal primary cultures**  
*Klaus Dinkel, Firdaus S. Dhabhar, Robert M. Sapolsky*  
Stanford, Columbus, U.S.A.; Magdeburg, Germany
- 41. Modeling of spontaneous activity in the neonatal rat hippocampus**  
*Dvorgak A., Safiulina V.F., Kasyanov A.M.*  
Moscow, Russia
- 42. Interactions of matrixmetalloproteinases (MMP) and nitric oxide (NO) in microglia cell culture**  
*Marc Fatar, Mark Stroick, Simone Keck, Sandra Kuehl, Michael G. Hennerici*  
Heidelberg, Germany
- 43. Study of the role of Cystatin C in mild cognitive impairment and dementia of vascular type**  
*Feudatari E, Benussi L, Ghidoni R, Signorini S, Barbiero L, Gigola L, Favaro M, Nicosia F, Paterlini A, Amadori S, Villa A, Broglio L, Alberici A, Zanetti O, Binetti G*  
Brescia, Italy
- 44. Neuroprotective role of glutathione S transferases in the neurodegenerative disease**  
*Julio César García, Aida Leiva, Jorge Bergado and Miriam Mc Pherson*  
Havana, Cuba
- 45. Increase of CNTF after a quinolinic acid lesion in the rat caudate putamen investigated with immunohistochemistry and Western blotting**  
*Stefan J. P. Haas, Oliver Schmitt, Stanislav Petrov, Aline Ahrens and Andreas Wree*  
Rostock, Germany
- 46. The effect of 5-Ethoxy-2-[2-(Morpholino)-Ethylthio]-Benzimidazole on memory and anti-amnesic effect in rats**  
*Hazar, H. and Hazar, A.*  
Van, Turkey
- 47. Neuroprotective role of IGF-I following penetrating brain injury in rats**  
*Ilias Kazanis, Helen Philippidis, Fotini Stylianopoulou*  
Athens, Greece
- 48. Identification and characterisation of a survival promoting factor for early postnatal CNS cells**  
*P. Landgraf, F. Sieg, P. Wahle, M.R. Kreutz, H.-C. Pape*  
Magdeburg, Bochum, Germany
- 49. Hydroxystilbenes reduce free radical mediated oxidative and nitrosative stress in microglial cells**  
*Peter Lorenz, Gerald Wolf, Sanjoy Roychowdhury, Mario Engelmann and Thomas F.W. Horn*  
Magdeburg, Germany

- 50. Survival of adult spinal cord slices in culture**  
*Hamid R. Momeni and Martin Kanje*  
Lund, Sweden
- 51. Neuronal behaviour and glial cell function in the regulation of cerebral circulation in gene mutant mice**  
*Takanori Noguchi, Masahisa Yamada, Shigeyoshi Itohara*  
Wako, Japan
- 52. Pancaspase inhibitor z-VAD-fmk shifts colchicin-induced apoptosis to necrosis in organotypic hippocampal slice cultures**  
*Jens Noraberg, Helle Noer, Bjarne W. Kristensen, Jan B. Gramsbergen and Jens Zimmer*  
Odense, Denmark
- 53. Fluorescent neurons in organotypic hippocampal slice cultures from young and adult transgenic fluorescent mice**  
*Jens Noraberg, Maria Montero, Christian Bonde, Kurt H. Jensen, Morten Blaabjerg, Frantz Rom Poulsen and Jens Zimmer*  
Odense, Denmark
- 54. Potential role of the VEGF-homologue placental growth factor (PlGF) in adult neurogenesis**  
*C. Nern, A. Schaenzer, H.G. Kuhn, L. Moons, P. Carmeliet and K.H. Plate*  
Frankfurt am Main, Germany; KU Leuven, Belgium; Regensburg, Germany
- 55. The HIV-1 protein Tat and its discrete fragments evoke selective release of acetylcholine from human and rat cortical terminals through species-specific mechanisms**  
*Pittaluga, M. Feligioni, L. Raiteri, M. Grilli, S. Bruzzone, P. Cavazzani, F. Longordo, M. Raiteri*  
Genova, Italy
- 56. Glial evidences of a neuroprotective role of buspirone in prenatal ethanol exposure**  
*Sergio Gustavo Evrard, Maite Duhalde Vega, Alberto Javier Ramos, Patricia Tagliaferro, Alicia Brusco*  
Buenos Aires, Argentina
- 57. The role of mitochondrial glutathione in cellular defence against oxidative/nitrosative stress in different neural cell types**  
*Sanjoy Roychowdhury, Gerald Wolf and Thomas F. W. Horn*  
Magdeburg, Germany
- 58. Modulation network-driven activity in the neonatal hippocampus by purine receptors**  
*Safiulina V.F. and Kasyanov A.M.*  
Moscow, Russia
- 59. Impaired paired-pulse inhibition following freeze lesion-induced cortical malformations in the rat cortex**  
*Silvio Schmidt, Otto W. Witte and Claus Bruehl*  
Jena, Germany
- 60. The dopamine-D2-receptor agonist pramipexole dose-dependently blocks the Ca<sup>2+</sup>-triggered permeability transition of mitochondria**  
*Detlef Siemen, Iqbal Sayeed, Kirstin Winkler, Claus-Werner Wallesch, Peter Schönfeld*  
Magdeburg, Germany

- 61. The stress related structural alternations of vagal nuclei of growing rats**  
*Alexey V. Smirnov*  
*Volgograd, Russia*
- 62. Activation of phospholipase A<sub>2</sub> and metabolism of the polyunsaturated fatty acids arachidonic and docosahexaenoic acid in rat astrocytes upon proinflammatory stimulation**  
*Mikhail Stroklin, Sevil Grabeklis, Marina Sergeeva and Georg Reiser*  
*Magdeburg, Germany; Moscow, Russia*
- 63. Spinocerebellar Ataxia type 2 (SCA-2) in Cuba. A study of the clinical electrophysiological and redox system variations and its correlation with CAG repeats**  
*Luis Velázquez, Gilberto Sánchez, Julio César García, René Delgado, Lucía Márquez, Edilberto Martínez, Nieves Santos, Luis Enrique Almaguer*  
*Havana, Cuba.*
- 64. Cuban Spinocerebellar Ataxia Type 2 (SCA-2). The Highest Prevalence in the World**  
*Luis Velázquez, Gilberto Sánchez, Edilberto Martínez, Nieves Santos Falcón, Mercedes Velázquez, Luis Enrique Almaguer*  
*Havana, Cuba*
- 65. New neuroprotective genes identified by a novel Ht- screening approach**  
*Zitzler J., Rottenberger C., Link D., Korherr C., Fink A., Schäfer R., Duevell K., Behl C. and Liebetrau W.*  
*Munich, Mainz, Germany*
- 66. Thinner exposure causes learning and memory deficits and imbalance in neural cell adhesion molecules in hippocampus, cortex and cerebellum of rats**  
*Giyasettin Baydas, Faik Ozveren, Abdullah Ya? ar, Mehmet Tuzcu, Ismail Gokdemir, Viktor S. Nedzvetskii, Svetlana V. Kirichenko*  
*Elazig, Turkey; Dnepropetrovsk, Ukraine*

## **C. Ischemia**

- 67. Melatonin inhibits apoptotic cell death in transient focal brain ischemia: effect on the mitochondrial permeability transition pore**  
*Shaida A. Andrabi, Iqbal Sayeed, Detlef Siemen, Gerald Wolf and Thomas F. W. Horn*  
*Magdeburg, Germany*
- 68. Nitric oxide and oxidative stress in the pathophysiological mechanisms of brain ischemia**  
*Valentina Bashkatova, Olga Fedyukova, Galina Vitskova, Anatoly Vanin, Kirill Rayevsky, Vladimir Koshelev*  
*Moscow, Russia*
- 69. Nuclear shrinkage and other markers of neuronal degeneration after oxygen-glucose deprivation in rat hippocampal slice cultures**  
*Christian Bonde, Jens Noraberg, Jens Zimmer*  
*Odense, Denmark*
- 70. Differential alteration of contralateral excitability changes induced by focal cortical lesions after corpus callosum transection**  
*Divanach, C. Bruehl, O. W. Witte*  
*Jena, Germany*

- 71. Reduced GABA transporter density after focal cortical lesion in the rat brain**  
*Christiane Frahm, Corinna Haupt, Natja Haag and Otto Witte*  
Jena, Germany
- 72. The new neuroprotective drug "Semax" increases BDNF level in the rat brain.**  
*Igor A. Grivennikov, Oleg V. Dolotov, Tamara S. Seredenina, Natalya G. Levitskaya, Andrei A. Kamensky, Ludmila S. Inozemtseva, Ekaterina Karpenko, Ludmila A. Andreeva, Nikolai F. Myasoedov, Juergen Engele*  
Moscow, Russia; Leipzig, Germany
- 73. Effects of A<sub>3</sub>-receptor activation during hypoxia and possible signalling pathways in rat cortical neurons**  
*S. Hentschel, A. Lewerenz, K. Nieber*  
Leipzig, Germany
- 74. Oxyresveratrol protects against oxidative stress and reduces ischemic brain infarct size in a rat stroke model**  
*Thomas F. W. Horn, Shaida A. Andrabi, Peter Lorenz and Gerald Wolf*  
Magdeburg, Germany
- 75. Gene expression profiling of circumscribed cortical brain ischemia: early versus delayed changes in ischemic and nonischemic cortex**  
*Sebastian Jander, Michael Schroeter and Patrick Küry*  
Düsseldorf, Germany
- 76. Patients with ischemia have changed level cell adhesion molecule NCAM/CD56 in membrane of lymphocytes**  
*Nedzvetsky V.S., Kyrychenko S.V., Kyrayta A.V.*  
Dnepropetrovsk, Ukraine
- 77. Disialoganglioside GD3 promotes ischemic brain damage**  
*Susanne Kleber, Roger Sandhoff, Dietmar Uttenweiler, Roberto Testi, Ana Martin-Villalba*  
Heidelberg, Germany; Rome, Italy
- 78. The effect of hyperbaric oxygenation on Na<sup>+</sup>,K<sup>+</sup>-ATPase and SOD activities in hippocampus and optic nerve of ischemic rats**  
*Jasenka Mrcic-Pelcic, Goran Pelcic, Dinko Vitezic, Gordana Zupan and Ante Simonic*  
Rijeka, Croatia
- 79. Alteration of SNARE protein immunoreactivity after post-ischemic reperfusion in rat hippocampus**  
*JS Park, YA Kim, MS Cho, YJ Jung, SJ Park, PW Huh, YS Pae and KE Lee*  
Seoul, Korea
- 80. Recovery of physiological function in dentate gyrus after global cerebral ischaemia**  
*Pforte C., Henrich-Noack P., Gorkin A.G., Reymann K.G.*  
Magdeburg, Germany; Moscow, Russia
- 81. Role of glial scarring, neurogenesis, and age in functional recovery following cerebral ischemia in rats**  
*Badan, B. Buchhold, A. Hamm, Ch. Kessler, L.C. Walker, A. Popa-Wagner*  
Greifswald, Germany; Michigan, U.S.A.

- 82. Coenzyme Q in the rat brain after acute focal cerebral ischemia**  
*Oleg S. Medvedev, Oxana V. Povarova, Elena I. Kalenikova*  
Moscow, Russia
- 83. ER stress-induced apoptosis in hippocampal neurons after global cerebral ischemia in rats.**  
*Abdelhaq Rami, Claus Reimertz and Jochen H.M. Prehn*  
Frankfurt/Main, Germany
- 84. 5HT1A agonist, 8-OH-DPAT, reduces astroglial reaction after ischemia induced by cortical devascularization**  
*Alberto Javier Ramos, María Dolores Rubio, Alicia Brusco, Marcelo Villar*  
Buenos Aires, Argentina
- 85. Long-term impairments in rats after focal ischemia - testing of motor function**  
*Monika Riek-Burchardt and Klaus G. Reymann*  
Magdeburg, Germany
- 86. Expression of protease-activated receptors (PARs) in brain after *in vivo* transient focal ischemia**  
*T. Rohatgi, F. Sedehizade, P. Henrich-Noack, K.G. Reymann and G. Reiser*  
Magdeburg, Germany
- 87. Organotypic slice cultures from different brain tissues. Are there differences in pathomechanisms after ischemia?**  
*Peter Röhnert, Franziska Schäfer and Frank Striggow*  
Magdeburg, Germany
- 88. Analysis of changes in gene expression produced by ischemia and preconditioning**  
*Claudia Schepers, Tiho P. Obrenovitch, Thorsten Trapp, Konstantin-Alexander Hossmann, Wilfried Nietfeld and Hans Lehrach*  
Berlin, Cologne, Germany; Bradford, UK
- 89. Neuroprotective action of cyclosporin A on infarct volume after transient focal cerebral ischemia induced by intracerebral injection of endothelin adjacent to the middle cerebral artery**  
*Werner Schmidt and Frank Striggow*  
Magdeburg, Germany
- 90. A model of global low flow ischemia in the piglet during extracorporeal circulation**  
*Schneider K, Ullmann C, Walther T, Dhein S, Kostelka M*  
Leipzig, Germany
- 91. ATP-regulated K<sup>+</sup>-channel opening by Y-26763 differentially affects ischemia-induced damage in rat hippocampus in vitro**  
*Ulrich H. Schröder, Sebastian Busse, Lorenz Schild, Jörg Breder, Klaus G. Reymann*  
Magdeburg, Germany
- 92. CD8<sup>+</sup> phagocyte recruitment in ischemic and traumatic CNS injury is associated with pannecrotic tissue damage and the development of anisomorphic gliosis**  
*Michael Schroeter and Sebastian Jander*  
Düsseldorf, Germany

- 93. Protective effects of Ginseng Herbal Acupuncture on ischemia-induced hippocampal A role for somatostatin in focal cerebral ischemia**  
*Chun Zhou, Ralf K. Stumm, Karina Schäfer, Christine Rauca, Stefan Schulz and Volker Höllt*  
Magdeburg, Germany
- 94. Neuroprotective effects of statins in central neurons**  
*Bernadett M. Simon, Eugenio Fava, Lucia Pinon, Pierluigi Nicotera*  
Leicester, UK
- 95. Differential immunohistochemical expression of c-Fos, c-Jun and HSP70 following transient global ischemia of the aged rats**  
*Jung-Won Shin, Hyuk-Sang Jung, Ran Won, Nak-Won Sohn*  
Yongin-City, South Korea
- 96. Cytoprotective effects of neuropeptide Semax (ACTH 4-10) in acute ischemic stroke (IS)**  
*Veronika I. Skvortsova, Nikolay F. Myasoedov, Kirill S. Raevsky, Nataly M. Efremova, Oxana B. Gubskaya, Elena Ju. Zhuravleva, Eugene I. Gusev*  
Moscow, Russia
- 97. A role for somatostatin in focal cerebral ischemia**  
*Chun Zhou, Ralf K. Stumm, Karina Schäfer, Christine Rauca, Stefan Schulz and Voler Höllt*  
Magdeburg, Germany
- 98. Neuroprotection in vivo and in vitro by JNK inhibition**  
*Tiziana Borsello, Peter G.H. Clarke, Lorenz Hirt, Mariaelena Repici, Christophe Bonny and Alessandro Vercelli*  
Lausanne, Switzerland; Torino, Italy
- 99. NF-kappaB, I-kappaB $\alpha$  and COX-2 expression after transient focal cerebral ischemic reperfusion**  
*Yao Xiaomei, Wang Jizuo*  
Tianjin, P.R.China
- 100. Live-imaging of physiological effects induced by experimental ischemia (oxugen-glucose-deprivation) in cultured hippocampal glia and neurons**  
*G. Zündorf, S. Kahlert, M. Goertler, C.W. Wallesch, G. Reiser*  
Magdeburg, Germany
- 101. Propofol reduces neuronal damage in the rat hippocampal structures and entorhinal cortex in the pilocarpine model of non convulsive status epilepticus (NCSE)**  
*Oscar Martinez, Gustavo Sevlever, Ricardo Reisin, Alma Kemmling*  
Buenos Aires, Argentina
- 102. Autoimmune reactions to neurospecific protein S100b and its relation to prominence of inflammatory response in ischemic stroke (IS)**  
*Nataly M. Efremova, Marina A. Gruden, Irina V. Shcherbakova, Tatiana P. Klushni and Veronika I. Skvortsova*  
Moscow, Russia
- 103. Connection between p53 gene Bam HI RFLP polymorphism and the volume of brain infarction in patients with carotid atherothrombotic ischemic stroke**  
*Eugenia A. Koltsova, Irma M. Shetova, Peter A. Slominsky, Leonid V. Gubsky, Tatiana I. Tupitsina, Svetlana A. Limborska and Veronika I. Skvortsova*  
Moscow, Russia

- 104. Neuroprotective effects of tacrolimus during *in vitro* cerebral ischemia: insights on the role of glutamate**  
*Labrande, L. Velly, B. Canolle, B. Guillet, F. Masméjean, S. Lortet, A. Nieoullon and P. Pisano*  
*Marseille, France*
- 105. Selective expression of protease activated receptors after focal ischaemia**  
*P. Henrich-Noack, M. Riek-Burchardt, F. Striggow, G. Reiser, K.G. Reymann*  
*Magdeburg, Germany*
- 106. Anti-apoptotic strategy with TAT-XIAP fusion proteins limit severe ischemic brain lesions**  
*Christelle Guégan, Jérôme Braudeau, Cécile Couriaud, Gunnar Dietz, Mathias Bähr, Brigitte Onténiente*  
*Creteil, France; Göttingen, Germany*
- 107. Establishing a photothrombotic ring stroke model in adult mice with multiparametric imaging: quantitative measurements of cerebral blood flow**  
*Wei Jiang, Weigang Gu, Konstantin-Alexander Hossmann, Günther Mies and Per Wester*  
*Umea, Sweden; Cologne, Germany*
- 108. TNF/p55TNFR signaling mediates neuroprotection in a mouse model of cerebral ischaemia through the activation of NFkB and the regulation of critical target genes**  
*Era Taoufik, Edwige Petit, Vivi Tseveleki, David Plows, Didier Divoux, Georg Muller, Hans Lassmann, Lesley Probert*  
*Athens, Greece; Caen, France; Vienna, Austria*