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1. Leitung

Prof. Jochen Braun, Ph.D.

2. Veröffentlichungen

Begutachtete Zeitschriftenaufsätze

Bernstein, Hans-Gert; Stricker, Rolf; Zschiebsch, Katja; Müller, Susan; Dobrowolny, Henrik; Steiner, Johann; Bogerts, Bernhard; Reiser, Georg

Decreased expression of nardilysin in SH-SY5Y cells under ethanol stress and reduced density of nardilysin-expressing neurons in brains of alcoholics

In: Journal of psychiatric research. - Amsterdam [u.a.]: Elsevier, Bd. 47.2013, 3, S. 343-349;

Blätke, Mary Ann; Dittrich, Anna; Rohr, Christian; Heiner, Monika; Schaper, Fred; Marwan, Wolfgang

JAK/STAT signalling - an executable model assembled from molecule-centred modules demonstrating a module-oriented database concept for systems and synthetic biology

In: Molecular BioSystems. - Cambridge: Royal Society of Chemistry, Bd. 9.2013, S. 1290-1307;

Bock, Jörg; Poeggel, Gerd; Gruss, Michael; Wingenfeld, Katharina; Braun, Anna Katharina

Infant cognitive training preshapes learning-relevant prefrontal circuits for adult learning - learning-induced tagging of dendritic spines

In: Cerebral cortex. - Oxford: Oxford Univ. Press, 2013;

Brandewiede, Joerg; Jakovcevski, Mira; Stork, Oliver; Schachner, Melitta

Role of stress system disturbance and enhanced novelty response in spatial learning of NCAM-deficient mice

In: Stress. - New York, NY: Informa Healthcare, Bd. 16.2013, 6, S. 638-646;

Braun, Anna Katharina; Seidel, Katja; Holetschka, Romy; Groeger, Nicole; Poeggel, Gerd

Paternal deprivation alters the development of catecholaminergic innervation in the prefrontal cortex and related limbic brain regions

In: Brain structure & function. - Berlin: Springer, Bd. 218.2013, 4, S. 859-872;

Gäbler, Karoline; Rolvering, Catherine; Kaczor, Jakob; Eulenfeld, René; Álvarez Méndez, Sergio; Berchem, Guy; Palissot, Valérie; Behrmann, Iris; Haan, Claude

Cooperative effects of Janus and Aurora kinase inhibition by CEP701 in cells expressing Jak2V617F

In: Journal of cellular and molecular medicine. - Hoboken, NJ: Wiley-Blackwell, Bd. 17.2013, 2, S. 265-276;

Gos, Tomasz; Schulkin, Jay; Gos, Anna; Bock, Jörg; Poeggel, Gerd; Braun, Anna Katharina

Paternal deprivation affects the functional maturation of corticotropin-releasing hormone (CRH)- and calbindin-D28k-expressing neurons in the bed nucleus of the stria terminalis (BNST) of the biparental Octodon degus

In: Brain structure & function. - Berlin: Springer, 2013;

Gos, Tomasz; Steiner, Johann; Krell, Dieter; Bielau, Hendrik; Mawrin, Christian; Krzy anowski, Maciej; Brisch, Ralf;

Pie niak, Dorota; Bernstein, Hans-Gert; Jankowski, Zbigniew; Braun, Katharina; Bogerts, Bernhard

Ribosomal DNA transcription in the anterior cingulate cortex is decreased in unipolar but not bipolar I depression
In: Psychiatry research. - Amsterdam [u.a.]: Elsevier Science, Bd. 210.2013, 1, S. 338-345;

Herbik, Anne; Hölzl, Gloria C.; Reupsch, Juliane; Hoffmann, Michael B.

Differential effects of optic media opacities on mfERGs and mfVEPs
In: Clinical neurophysiology. - Amsterdam [u.a.]: Elsevier Science, Bd. 124.2013, 6, S. 1225-1231;

Jan Teuber,; Bettina Mueller,; Ryoji Fukabori,; Daniel Lang,; Anne Albrecht,; Oliver Stork

The ubiquitin ligase praja1 reduces NRAGE expression and inhibits neuronal differentiation of PC12 cells
In: PLoS one. - Lawrence, Kan: PLoS, Bd. 8.2013, 5, insges. 8 S.;

Leitner, Jörg; Westerholz, Sören; Heinke, Bernhard; Forsthuber, Liesbeth; Wunderbaldinger, Gabriele; Jäger, Tino; Gruber-Schoffnegger, Doris; Braun, Katharina; Sandkühler, Jürgen

Impaired excitatory drive to spinal gabaergic neurons of neuropathic mice
In: PLoS one. - Lawrence, Kan: PLoS, Bd. 8.2013, 8, insges. 11 S.;

Li, Lin; Sase, Ajinkya; Patil, Sudarshan; Sunyer, Berta; Höger, Harald; Smalla, Karl-Heinz; Stork, Oliver; Lubec, Gert

Distinct set of kinases induced after retrieval of spatial memory discriminate memory modulation processes in the mouse hippocampus
In: Hippocampus. - New York, NY [u.a.]: Wiley, Bd. 23.2013, 8, S. 672-683;

Meyer, Katrin; Korz, Volker

Age dependent differences in the regulation of hippocampal steroid hormones and receptor genes - relations to motivation and cognition in male rats
In: Hormones and behavior. - Orlando, Fla: Acad. Press, Bd. 63.2013, 2, S. 376-384;

Meyer, Katrin; Korz, Volker

Estrogen receptor functions in the regulation of motivation and spatial cognition in young male rats
In: PLoS one. - Lawrence, Kan: PLoS, Bd. 8.2013, 11, insges. 11 S.;

Müller, Pia J.; Rigboldt, Kristoffer G.; Paterok, Dirk; Piehler, Jacob; Vanselow, Jens; Lasonder, Edwin; Andersen, Jens S.; Schaper, Fred; Sobota, Radoslaw M.

Protein tyrosine phosphatase SHP2/PTPN11 mistargeting as a consequence of SH2-domains point mutations associated with Noonan syndrome and leukemia
In: Journal of proteomics. - New York, NY [u.a.]: Elsevier, Bd. 84.2013, S. 132-147;

Pachow, Doreen; Andrae, Nadine; Kliese, Nadine; Angenstein, Frank; Stork, Oliver; Wilisch-Neumann, Annette; Kirches, Elmar; Mawrin, Christian

mTORC1 inhibitors suppress meningioma growth in mouse models
In: Clinical cancer research. - Philadelphia, Pa. [u.a.]: AACR, Bd. 19.2013, 5, S. 1180-1189;

Pastukhov, Alexander; Braun, Jochen

Disparate time-courses of adaptation and facilitation in multi-stable perception
In: Learning & perception. - Budapest: Akad. Kiadó, Bd. 5.2013, 2, S. 101-118;

Pastukhov, Alexander; Füllekrug, Jana; Braun, Jochen

Sensory memory of structure-from-motion is shape-specific
In: Attention, perception, & psychophysics. - New York, NY: Springer, Bd. 75.2013, 6, S. 1215-1229;

Pastukhov, Alexander; García-Rodríguez, Pedro E.; Haenicke, Joachim; Guillamon, Antoni; Deco, Gustavo; Braun, Jochen

Multi-stable perception balances stability and sensitivity
In: Frontiers in computational neuroscience. - Lausanne: Frontiers Research Foundation, Bd. 7.2013, insges. 18 S.;

Pastukhov, Alexander; Lissner, Anna; Braun, Jochen

Perceptual adaptation to structure-from-motion depends on the size of adaptor and probe objects, but not on the

similarity of their shapes

In: Attention, perception, & psychophysics. - New York, NY: Springer, 2013;

Pastukhov, Alexander; Lissner, Anna; Füllekrug, Jana; Braun, Jochen

Sensory memory of illusory depth in structure-from-motion

In: Attention, perception, & psychophysics. - New York, NY: Springer, 2013;

Riedel, Anett; Stöber, Franziska; Richter, Karin; Fischer, Klaus-Dieter; Miettinen, Riitta; Budinger, Eike

VGLUT3-immunoreactive afferents of the lateral septum: ultrastructural evidence for a modulatory role of glutamate

In: Brain structure & function. - Berlin: Springer, Bd. 218.2013, 1, S. 295-301;

Santos, Mónica; D'Amico, Davide; Spadoni, Ornella; Amador-Arjona, Alejandro; Stork, Oliver; Dierssen, Mara

Hippocampal hyperexcitability underlies enhanced fear memories in TgNTRK3, a panic disorder mouse model

In: The journal of neuroscience. - Washington, DC: Soc, Bd. 33.2013, 38, S. 15259-15271;

Schmidt, M. V.; Abraham, W. C.; Maroun, M.; Stork, Oliver; Richter-Levin, G.

Stress-induced metaplasticity - from synapses to behavior

In: Neuroscience. - Amsterdam [u.a.]: Elsevier Science, Bd. 250.2013, S. 112-120;

Spröwitz, Almuth; Bock, Jörg; Braun, Anna Katharina

Sex-specific positive and negative consequences of avoidance training during childhood on adult active avoidance learning in mice

In: Frontiers in behavioral neuroscience. - Lausanne: Frontiers Research Foundation, Bd. 7.2013, insges. 11 S.;

Thiem, Stefan; Pierce, Thomas P.; Palmieri, Michelle; Putoczki, Tracy L.; Buchert, Michael; Preaudet, Adele; Farid, Ryan O.; Love, Chris; Catimel, Bruno; Lei, Zhengdeng; Rozen, Steve; Gopalakrishnan, Veena; Schaper, Fred; Hallek, Michael; Boussioutas, Alex; Tan, Patrick; Jarnicki, Andrew; Ernst, Matthias

mTORC1 inhibition restricts inflammation-associated gastrointestinal tumorigenesis in mice

In: The journal of clinical investigation. - Ann Arbor, Mich: ASCJ, Bd. 123.2013, 2, S. 767-781;

Tyll, Sascha; Bonath, Björn; Schoenfeld, Mircea A.; Heinze, Hans-Jochen; Ohi, Frank W.; Noesselt, Tömmie

Neural basis of multisensory looming signals

In: NeuroImage. - San Diego, Calif. : Elsevier, Bd. 65.2013, S. 13-22;

Wanger, Tim; Takagaki, Kentaroh; Lippert, Michael T.; Goldschmidt, Jürgen; Ohi, Frank W.

Wave propagation of cortical population activity under urethane anesthesia is state dependent

In: BMC neuroscience. - London: BioMed Central, Bd. 14.2013, insges. 8 S.;

Woldeit, M. L.; Schulz, A. L.; Ohi, Frank

Corrigendum to Phase de-synchronization effects auditory gating in the ventral striatum but not auditory cortex [Neuroscience 216 (2012) 7081]

In: Neuroscience. - Amsterdam [u.a.]: Elsevier Science, Bd. 254.2013, insges. 97 S.;

Wolf, Alexandra; Eulenfeld, René; Gäbler, Karoline; Rolvering, Catherine; Haan, Serge; Behrmann, Iris; Denecke, Bernd; Haan, Claude; Schaper, Fred

JAK-STAT Volume 2, Issue, 3 Research Paper JAK2-V617F-induced MAPK activity is regulated by PI3K and acts synergistically with PI3K on the proliferation of JAK2-V617F-positive cells

In: JAK-STAT. - Austin, Tex: Landes Bioscience, Bd. 2.2013, 3;

Xie, Lan; Korkmaz, Kemal Sami; Braun, Anna Katharina; Bock, Jörg

Early life stress-induced histone acetylations correlate with activation of the synaptic plasticity genes Arc and Egr1 in the mouse hippocampus

In: Journal of neurochemistry. - Oxford: Wiley-Blackwell, Bd. 125.2013, 3, S. 457-464;

Buchbeiträge

Bock, Jörg; Braun, Anna Katharina

Neurowissenschaften

In: Erziehung. - Stuttgart [u.a.]: Metzler, S. 260-265, 2013;

Dittrich, Anna; Siewert, Elmar; Schaper, Fred

Determination of protein turnover rates in the JAK/STAT pathway using a radioactive pulse-chase approach

In: JAK-STAT signalling. - New York [u.a.]: Humana Pr., S. 69-80, 2013 - (Methods in molecular biology; 967);

Dissertationen

Albrecht, Anne; Stork, Oliver [Gutachter]

Mechanisms of contextual fear memory generalization. - Magdeburg, Univ., Fak. für Naturwiss., Diss., 2013, 2012; XVII, 214 Bl.: graph. Darst.;

Marbach, Anja; Marwan, Wolfgang [Gutachter]

Zellheterogenität am Beispiel der Expression des Escherichia coli lac Operons. - Magdeburg, Univ., Fak. für Naturwiss., Diss., 2013; IX, 126 S.: Ill., graph. Darst.; 30 cm;

Wang, Han; Korz, Volker [Gutachter]

Postnatal maternal separation affects hippocampal longterm potentiation in adult stressed rats - molecular and hormonal mechanisms. - Magdeburg, Univ., Fak. für Naturwiss., Diss., 2013, 2012; X, 95, vii Bl.: Ill., graph. Darst.;

Wanger, Tim; Ohi, Frank W. [Gutachter]

Thallium-Diethyldithiocarbamat als Tracer für neuronale Aktivität und cerebralen Kaliummetabolismus. - Magdeburg, Univ., Fak. für Naturwiss., Diss., 2013, 2012; 143 Bl.: graph. Darst.;

Xie, Lan; Bock, Jörg [Gutachter]

Early life stress-induced histone acetylations correlate with activation of the synaptic plasticity genes Arc and Egr1 in the mouse brain. - Magdeburg, Univ., Fak. für Naturwiss., Diss., 2013; V, 89, III Bl.: graph. Darst.;