



MEDIZINISCHE
FAKULTÄT

Publikationsbericht 2018

Institut für Molekulare und Klinische Immunologie

INSTITUT FÜR MOLEKULARE UND KLINISCHE IMMUNOLOGIE

Leipziger Str. 44, 39120 Magdeburg
Tel. 49 (0)391 67 15800, Fax 49 (0)391 67 15852
burkhart.schraven@med.ovgu.de

1. LEITUNG

Prof. Dr. med. Burkhard Schraven (geschäftsführender Leiter)

2. VERÖFFENTLICHUNGEN

BEGUTACHTETE ZEITSCHRIFTENAUFsätze

Busse, Mandy; Hettler, Vanessa; Fischer, Victoria; Mawrin, Christian; Hartig, Roland; Dobrowolny, Henrik; Bogerts, Bernhard; Frodl, Thomas; Busse, Stefan Gregor

Increased quinolinic acid in peripheral mononuclear cells in Alzheimer's dementia
European archives of psychiatry and clinical neuroscience - Darmstadt: Steinkopff, Bd. 268.2018, 5, S. 493-500;
[Imp.fact.: 3.617]

Dash, Banaja Priyadarshini; Schnöder, Tina; Kathner, Carolin; Mohr, Juliane; Weinert, Sönke; Herzog, Carolin; Godavarthy, Parimala Sonika; Zanetti, Costanza; Perner, Florian; Braun-Dullaeus, Rüdiger; Hartleben, Björn; Huber, Tobias B.; Walz, Gerd; Naumann, Michael; Ellis, Sarah; Vasioukhin, Valera; Kähne, Thilo; Krause, Daniela Sandra; Heidel, Florian

Diverging impact of cell fate determinants Scrib and Llg1 on adhesion and migration of hematopoietic stem cells
Journal of cancer research and clinical oncology: official organ of the Deutsche Krebsgesellschaft - Berlin: Springer, Bd. 144.2018, 10, S. 1933-1944;
[Imp.fact.: 3.282]

Demiray, Yunus E.; Rehberg, Kati; Kliche, Stefanie; Stork, Oliver

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Frontiers in molecular neuroscience - Lausanne: Frontiers Research Foundation, Bd. 11.2018, Art.-Nr. 66, insges. 11 S.;
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Edelmann, Bärbel; Gupta, Nibedita; Schnöder, Tina; Oelschlegel, Anja Maria; Shahzad, Khurram; Goldschmidt, Jürgen; Philipsen, Lars; Weinert, Sönke; Ghosh, Aniket; Saalfeld, Felix C.; Nimmagadda, Subbaiah Chary; Müller, Peter; Braun-Dullaeus, Rüdiger C.; Mohr, Juliane; Wolleschak, Denise; Kliche, Stefanie; Amthauer, Holger; Heidel, Florian; Schraven, Burkhard; Isermann, Berend; Müller, Andreas J.; Fischer, Thomas

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Ewert, Lara; Fischer, Anja; Brandt, Sabine; Scurt, Florian Gunnar; Philipsen, Lars; Müller, Andreas J.; Girndt, Matthias; Zenclussen, Ana Claudia; Lindquist, Jonathan A.; Gorny, Xenia; Mertens, Peter Rene

Cold shock Y-box binding protein-1 acetylation status in monocytes is associated with systemic inflammation and vascular damage
Atherosclerosis - Amsterdam [u.a.]: Elsevier Science, Bd. 278.2018, S. 156-165;
[Imp.fact.: 4.467]

Franz, Alexander; Joseph, Laura; Mayer, Constantin; Harmsen, Jan-Frieder; Schrupf, Holger; Fröbel, Julia; Ostapczuk, Martin Stefan; Krauspe, Rüdiger; Zilkens, Christoph

The role of oxidative and nitrosative stress in the pathology of osteoarthritis - novel candidate biomarkers for quantification of degenerative changes in the knee joint

Orthopedic Reviews - Pavia: PAGEPress, Bd. 10.2018, Art.-Nr. 7460, insges. 7 S.;

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The potential toxic impact of different gadolinium-based contrast agents combined with 7-T MRI on isolated human lymphocytes

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Gartmann, Laura; Wex, Thomas; Grüngreiff, Kurt; Reinhold, Dirk; Kalinski, Thomas; Malfertheiner, Peter; Schütte, Kerstin

Expression of Zinc transporters ZIP4, ZIP14 and ZnT9 in hepatic carcinogenesis - an immunohistochemical study

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[Imp.fact.: 3.755]

Ghouse, Shanawaz Mohammed; Polikarpova, Anastasia; Muhandes, Lina; Dudeck, Jan; Tantcheva-Poor, Iliana; Hartmann, Karin; Lesche, Matthias; Dahl, Andreas; Eming, Sabine Anne; Müller, Werner; Behrendt, Rayk; Roers, Axel

Although abundant in tumor tissue, mast cells have no effect on immunological micro-milieu or growth of HPV-induced or transplanted tumors

Cell reports - Maryland Heights, MO: Cell Press, Bd. 22.2018, 1, S. 27-35;

[Imp.fact.: 8.032]

Guttek, Karina; Wagenbrett, Linda; Reinhold, Annegret; Grüngreiff, Kurt; Reinhold, Dirk

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Holzwarth, Karolin; Köhler, Ralf; Philipsen, Lars; Tokoyoda, Koji; Ladyhina, Valeriia; Wählby, Carolina; Niesner, Raluca A.; Hauser, Anja E.

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Jalsrai, Aldarmaa; Reinhold, Annegret; Becker, Axel

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[Imp.fact.: 3.349]

Kamradt, Thomas; Amling, Michael; Dankbar, Berno; Dudeck, Anne; Gunzer, Matthias; Ignatius, Anita; Krönke, Gerhard; Kubatzky, Katharina; Pap, Thomas; Prinz, Immo; Schett, Georg; Schinke, Thorsten; Tuckermann, Jan; Waisman, Ari

Gegenseitige Beeinflussung von Immunsystem und Knochen

Zeitschrift für Rheumatologie - Darmstadt: Steinkopff, Bd. 77.2018, Suppl.1, Seite S8-S11;

[Imp.fact.: 0.697]

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Female mice carrying a defective Alox15 gene are protected from experimental colitis via sustained maintenance of the intestinal epithelial barrier function

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[Imp.fact.: 3.508]

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Journal of autoimmunity - London: Academic Press, Bd. 94.2018, S. 110-121;

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[Imp.fact.: 1.184]

Meyer, Nicole; Schüler, Thomas; Zenclussen, Ana Claudia

Simultaneous ablation of uterine natural killer cells and uterine mast cells in mice leads to poor vascularization and abnormal Doppler measurements that compromise fetal well-being

Frontiers in immunology - Lausanne: Frontiers Media, Bd. 8.2018, Article 1913 insges. 8 S.;

[Imp.fact.: 5.511]

Neumann, Jens; Henneberg, Sophie; Kenne, Susanne; Nolte, Niklas; Müller, Andreas J.; Schraven, Burkhard; Görtler, Michael; Reymann, Klaus G.; Gunzer, Matthias; Riek-Burchardt, Monika

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PLOS ONE - San Francisco, California, US: PLOS, Bd. 13.2018, 3, Art.-Nr. e0193970, insges. 9 S.;

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Pawlitcki, Marc; Uebelhör, Julia; Sweeney-Reed, Catherine M.; Stephanik, Heike; Hoffmann, Juliane; Lux, Anke; Reinhold, Dirk

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[Imp.fact.: 4.196]

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The journal of immunology - Bethesda, Md: Soc, Bd. 201.2018, 7, S. 1907-1917;

[Imp.fact.: 4.539]

Reddig, Annika; Roggenbuck, Dirk; Reinhold, Dirk

Comparison of different immunoassays for γ H2AX quantification

Journal of laboratory and precision medicine: an open access journal for high-quality research in laboratory medicine : JLPM - Hong Kong: AME Publishing Company, Bd. 3.2018, Art.-Nr. 80, insges. 9 S.;

Reddig, Annika; Rübe, Claudia Elisabeth; Rödiger, Stefan; Schierack, Peter; Reinhold, Dirk; Roggenbuck, Dirk

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Journal of laboratory and precision medicine - Hong Kong: AME Publishing Company, Bd. 3.2018, Art.-Nr. 31, insges. 15 S.;

Rheinländer, Andreas; Schraven, Burkhard; Bommhardt, Ursula

CD45 in human physiology and clinical medicine

Immunology letters - Amsterdam [u.a.]: Elsevier Science, Bd. 196.2018, S. 22-32;

[Imp.fact.: 2.436]

Schlör, Anja; Holzlöhner, Pamela; Listek, Martin; Grieb, Cindy; Butze, Monique; Micheel, Burkhard; Hentschel, Christian; Sowa, Mandy; Roggenbuck, Dirk; Schierack, Peter; Fünér, Jonas; Schliebs, Erik; Gohl, Alexander; Reinhold, Dirk; Hanack, Katja

Generation and validation of murine monoclonal and camelid recombinant single domain antibodies specific for human pancreatic glycoprotein 2

New biotechnology - New York, NY [u.a.]: Elsevier, Bd. 45.2018, S. 60-68;

[Imp.fact.: 3.733]

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Unimpaired responses to vaccination with protein antigen plus adjuvant in mice with kit-independent mast cell deficiency

Frontiers in immunology - Lausanne: Frontiers Media, Bd. 9.2018, Art.-Nr. 1870, insges.13 S.;

[Imp.fact.: 5.511]

Schumacher, Anne; Ehrentraut, Stefanie; Scharm, Markus; Wang, Hongsheng; Hartig, Roland; Morse, Herbert C. III; Zenclussen, Ana Claudia

Plasma cell alloantigen 1 and IL-10 secretion define two distinct peritoneal B1a B cell subsets with opposite functions, PC1^{high} cells being protective and PC1^{low} cells harmful for the growing fetus

Frontiers in immunology - Lausanne: Frontiers Media, Bd. 9.2018, Art.-Nr. 1045, insges. 10 S.;

[Imp.fact.: 5.511]

Sowa, Mandy; Reddig, Annika; Schierack, Peter; Reinhold, Dirk; Roggenbuck, Dirk

Phosphorylated histone 2AX foci determination in capillary blood mononuclear cells

Journal of laboratory and precision medicine - Hong Kong: AME Publishing Company, Bd. 3.2018, Art.-Nr. 45, insges. 6 S.;

Spindler, Markus; Van Eeuwijk, Judith Martina Maria; Schurr, Yvonne; Nurden, Paquita; Nieswandt, Bernhard; Stegner, David; Reinhold, Annegret; Bender, Markus

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Straubel, Diana; Thielitz, Anja; Reinhold, Annegret; Grüngreif, Kurt; Reinhold, Dirk

Combined treatment with zinc aspartate and intravenous immunoglobulins (IVIGs) ameliorates experimental autoimmune encephalomyelitis (EAE)

Journal of Immunology Research - New York, NY: Hindawi, 2018, Art.-ID 5982169, insges. 7 S.;

[Imp.fact.: 3.298]

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[Imp.fact.: 5.511]

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Formaglio, Pauline; Hovius, Joppe W.; Aditya, Chetan; Tavares, Joana; Mason, Lauren M. K.; Ménard, Robert; Boulanger, Nathalie; Amino, Rogerio

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ABSTRACTS

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[Imp.fact.: 4.248]

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[Imp.fact.: 1.494]

Naß, Norbert; Hartig, Roland; Sel, Saadettin; Weißenborn, Christine; Ignatov, Atanas; Haybäck, Johannes; Kalinski, Thomas

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Oncology research and treatment - Basel: Karger, Bd. 41.2018, Suppl. 1, Abstract 92, Seite 28;

[Imp.fact.: 1.494]

Raza, Syed Ahsan; Albrecht, Anne; Çalican, Gürsel; Müller, Bettina; Demiray, Yunus Emre; Ludwig, Susann; Meis, Susanne; Faber, Nicolai; Hartig, Roland; Schraven, Burkhard; Leßmann, Volkmar; Schwegler, Herbert; Stork, Oliver

HIPP neurons in the dentate gyrus mediate the cholinergic modulation of background context memory salience

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Oncology research and treatment - Basel: Karger, Bd. 41.2018, Suppl. 1, Abstract 334, S. 94;

[Imp.fact.: 1.494]

Vo, Diep-Khanh; Naß, Norbert; Hartig, Roland; Haybäck, Johannes

ER stress plays an important role in G-protein-coupled estrogen receptor (GPER)-specific agonist G1-induced MCF-7 breast cancer cell death

Oncology research and treatment - Basel: Karger, Bd. 41.2018, Suppl. 1, Abstract 238, Seite 31;
[Imp.fact.: 1.494]

DISSERTATIONEN

Entz, Dominik; Kähne, Thilo [GutachterIn]; Lendeckel, Uwe [GutachterIn]

Untersuchungen zur Wirkung von Inhibitoren der enzymatischen Aktivitäten der Dipeptidylpeptidase IV (DP IV) und der Aminopeptidase N (APN) sowie der Wirkung der Tetracyclinderivate Minocyclin und Pentaacetylcyclin auf Immunzellen in vitro und im Tiermodell der Multiplen Sklerose, der Experimentellen Autoimmunen Enzephalomyelitis in vivo

Magdeburg: Otto-von-Guericke-Universität Magdeburg, 2018, II-VIII, 100 Blätter, Illustrationen, Diagramme

Kroschwald, Saskia; Lavrik, Inna N. [ErwähnteR]; Schebb, Nils [ErwähnteR]

Systematische Inaktivierung des murinen 12/15-Lipoxygenase-Gens (Alox15) schützt weibliche Mäuse vor einer durch Dextran-Natriumsulfat induzierten Kolitis

Magdeburg: Otto-von-Guericke-Universität Magdeburg, 2018, 9 ungezählte Blätter, 89 Blätter, 3 ungezählte Blätter, Illustrationen, Diagramme

Mankiewicz, Judith; Reinhold, Annegret [GutachterIn]; Berberich, Ingolf [GutachterIn]

Untersuchungen zur Expression von N-Methyl-D-Aspartat-Rezeptoren (NMDARen) in murinen T-Lymphozyten und Wirkung von NMDAR-Antagonisten auf die Funktion CD8⁺T-Zellen

Magdeburg: Otto-von-Guericke-Universität Magdeburg, 2018, 2-83 Blätter, Illustrationen, Diagramme

Thurm, Christoph; Simeoni, Luca [GutachterIn]

Redox-mediated regulation of the tyrosine kinase Zap70

Magdeburg, 2018, XIV, 124 Blätter, Illustrationen, Tabellen, Diagramme;

[Literaturverzeichnis: Blatt 110-122]