

Publikationsbericht 2007

Institut für Molekulare und Klinische Immunologie



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1. Leitung

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

2. Hochschullehrer

Prof. Dr. med. Schraven
Prof. Dr. med. Dr. rer. nat. Oliver Ullrich (bis 10/2007)
Prof. Dr. med. Matthias Gunzer (ab 10/2007)
HS-Dozent Dr. med. Dirk Reinhold

3. Veröffentlichungen

Originalartikel in begutachteten internationalen Zeitschriften

Aktas, Orhan; Ullrich, Oliver; Infante-Duarte, Carmen; Nitsch, Robert; Zipp, Frauke

Neuronal damage in brain inflammation

In: Archives of neurology. - Chicago, Ill. : American Medical Association, Bd. 64.2007, 2, S. 185-189; [Link unter URL](#)
[Imp.fact.: 5.204]

Bank, Ute; Tadge, Janine; Täger, Michael; Wolke, Carmen; Bukowska, Alicja; Ittenson, Annelore; Reinhold, Dirk; Helmuth, Martin; Ansorge, Siegfried; Shakespeare, Ann; Vieth, Michael; Malfertheiner, Peter; Naumann, Michael; Lendeckel, Uwe

Inhibition of alanyl-aminopeptidase on CD4+CD25+ regulatory T-cells enhances expression of FoxP3 and TGF- β 1 and ameliorates acute colitis in mice

In: International journal of molecular medicine. - Athens, Bd. 20.2007, 4, S. 483-492; [Link unter URL](#)
[Imp.fact.: 1.854]

Bommhardt, Ursula

Glis: novel modulators of TCR signaling?

In: Blood. - Washington, DC: American Society of Hematology, Bd. 109.2007, 9, S. 3618-3619; [Link unter URL](#)
[Imp.fact.: 10.370]

Brandt, Sabine; Shafikhani, Sasha; Balachandran, Priya; Jin, Shouguang; Hartig, Roland; König, Wolfgang; Engel, Joanne; Backert, Steffen

Use of a novel coinfection system reveals a role for Rac1, H-Ras, and CrkII phosphorylation in Helicobacter pylori-induced host cell actin cytoskeletal rearrangements

In: Federation of European Microbiological Societies: FEMS immunology and medical microbiology. - Oxford [u.a.]: Blackwell, Bd. 50.2007, 2, S. 190-205; [Link unter URL](#)
[Imp.fact.: 2.281]

Bühling, Frank; Lieder, Nadine; Kühlmann, Ulrike C. ; Waldburg, Nadine; Welte, Tobias

Tiotropium suppresses acetylcholine-induced release of chemotactic mediators in vitro

In: Respiratory medicine. - London [u.a.]: Elsevier, Bd. 101.2007, 11, S. 2386-2394; [Link unter URL](#)

[Imp.fact.: 2.086]

Conrad, Karsten; Schneider, Hauke; Ziemssen, Tjalf; Talaska, Thomas; Reinhold, Dirk; Humbel, Rene-Louis; Roggenbuck, Dirk

A new line immunoassay for the multiparametric detection of antiganglioside autoantibodies in patients with autoimmune peripheral neuropathies

In: Autoimmunity; Pt. A: Basic principles and new diagnostic tools. - Boston, Mass. : Blackwell Publ., Bd. 1109.2007, S. 256-264; [Link unter URL](#)

[Imp.fact.: 1.930]

Davidson, Dominique; Schraven, Burkhard; Veillette, André

PAG-associated FynT regulates calcium signaling and promotes anergy in T lymphocytes

In: Molecular and cellular biology. - Washington, DC: American Society for Microbiology, Bd. 27.2007, 5, S. 1960-1973; [Link unter URL](#)

[Imp.fact.: 6.773]

Dürer, Uwe; Hartig, Roland; Bang, Susanne; Thim, Lars; Hoffmann, Werner

TFF3 and EGF induce different migration patterns of intestinal epithelial cells in vitro and trigger increased internalization of E-cadherin

In: Cellular physiology and biochemistry. - Basel: Karger, Bd. 20.2007, 5, S. 329-346; [Link unter URL](#)

[Imp.fact.: 3.558]

Filby, Andrew; Seddon, Benedict; Kleczkowska, Joanna; Salmond, Robert; Tomlinson, Peter; Smida, Michal; Lindquist, Jonathan; Schraven, Burkhard; Zamojska, Rose

Fyn regulates the duration of TCR engagement needed for commitment to effector function

In: The journal of immunology. - Bethesda, Md. : American Assoc. of Immunologists, Bd. 179.2007, 7, S. 4635-4644;

[Link unter URL](#)

[Imp.fact.: 6.293]

Hammwöhner, Matthias; Ittenson, Annelore; Dierkes, Jutta; Bukowska, Alicja; Klein, Helmut U. ; Lendeckel, Uwe; Goette, Andreas

Platelet expression of CD40/CD40 ligand and its relation to inflammatory markers and adhesion molecules in patients with atrial fibrillation

In: Experimental biology and medicine. - Maywood, NJ [u.a.]: Society for Experimental Biology and Medicine, Bd. 232.2007, 4, S. 581-589; [Link unter URL](#)

[Imp.fact.: 2.845]

Jordan, Martha S. ; Maltzman, Jonathan S. ; Kliche, Stefanie; Shabason, Jacob; Smith, Jennifer E. ; Obstfeld, Amrom; Schraven, Burkhard; Koretzky, Gary A.

In vivo disruption of T cell development by expression of a dominant-negative polypeptide designed to abolish the SLP-76/Gads interaction

In: European journal of immunology. - Weinheim: Wiley VCH, Bd. 37.2007, 10, S. 2961-2972; [Link unter URL](#)

[Imp.fact.: 4.772]

Jose, Mini; Nair, Deepak K. ; Reissner, Carsten; Hartig, Roland; Zuschratter, Werner

Photophysics of Clomeleon by FLIM: discriminating excited state reactions along neuronal development

In: Biophysical journal. - Bethesda, Md. : Biophysical Soc., Bd. 92.2007, 6, S. 2237-2254; [Link unter URL](#)

[Imp.fact.: 4.757]

Kasirer-Friede, Ana; Moran, Barry; Nagrampa-Orje, Jennifer; Swanson, Ken; Ruggeri, Zaverio M. ;

Schraven, Burkhardt; Neel, Benjamin G. ; Koretzky, Gary; Shattil, Sanford J.

ADAP is required for normal α IIb β 3 activation by VWF/GP Ib-IX-V and other agonists

In: Blood. - Washington, DC: American Society of Hematology, Bd. 109.2007, 3, S. 1018-1025; [Link unter URL](#)

[Imp.fact.: 10.370]

Krause-Gruszczynska, Malgorzata; Rohde, Manfred; Hartig, Roland; Genth, Harald; Schmidt, Gudula; Keo, Thormika; König, Wolfgang; Miller, William G. ; Konkel, Michael E. ; Backert, Steffen

Role of the small Rho GTPases Rac1 and Cdc42 in host cell invasion of Campylobacter jejuni

In: Cellular microbiology. - Oxford: Blackwell, Bd. 9.2007, 10, S. 2431-2444; [Link unter URL](#)

[Imp.fact.: 5.070]

Küster, Dörthe; Dar, Altaf A. ; Moskaluk, Christopher C. ; Krüger, Sabine; Meyer, Frank; Hartig, Roland; Stolte, Manfred; Malfertheiner, Peter; Lippert, Hans; Roessner, Albert; El-Rifai, Wael; Schneider-Stock, Regine

Early involvement of death-associated protein kinase promoter hypermethylation in the carcinogenesis of Barrett's esophageal adenocarcinoma and its association with clinical progression

In: Neoplasia. - New York, NY: Nature America, Bd. 9.2007, 3, S. 236-245; [Link unter URL](#)

[Imp.fact.: 4.913]

Kwok, Terry; Zabler, Dana; Urman, Sylwia; Rohde, Manfred; Hartig, Roland; Wessler, Silja; Misselwitz, Rolf; Berger, Jürgen; Sewald, Norbert; König, Wolfgang; Backert, Steffen

Helicobacter exploits integrin for type IV secretion and kinase activation

In: Nature. - London: Nature Publishing Group, Bd. 449.2007, 7164, S. 862-866; [Link unter URL](#)

[Imp.fact.: 26.681]

Masse, Guillemette X. ; Corcuff, Erwan; Decaluwe, Hélène; Bommhardt, Ursula; Lantz, Olivier; Buer, Jan; DiSanto, James P.

γ c cytokines provide multiple homeostatic signals to naive CD4+ T cells

In: European journal of immunology. - Weinheim: Wiley VCH, Bd. 37.2007, 9, S. 2606-2616; [Link unter URL](#)

[Imp.fact.: 4.772]

Ménasché, Gaël; Kliche, Stefanie; Chen, Emily J. H. ; Stradal, Theresia E. B. ; Schraven, Burkhardt; Koretzky, Gary

RIAM links the ADAP/SKAP-55 signaling module to Rap1, facilitating T-cell-receptor-mediated integrin activation

In: Molecular and cellular biology. - Washington, DC: American Society for Microbiology, Bd. 27.2007, 11, S. 4070-4081; [Link unter URL](#)

[Imp.fact.: 6.773]

Preller, Vera; Gerber, Annegret; Wrenger, Sabine; Togni, Mauro; Marguet, Didier; Tadge, Janine; Lendeckel, Uwe; Röcken, Christoph; Faust, Jürgen; Neubert, Klaus; Schraven, Burkhardt; Martin, Roland; Ansorge, Siegfried; Brocke, Stefan; Reinhold, Dirk

TGF- β 1-mediated control of central nervous system inflammation and autoimmunity through the inhibitory receptor CD26

In: The journal of immunology. - Bethesda, Md. : American Assoc. of Immunologists, Bd. 178.2007, 7, S. 4632-4640;

[Link unter URL](#)

[Imp.fact.: 6.293]

Reinhold, Dirk; Biton, Aliza; Goihl, Alexander; Pieper, Stefanie; Lendeckel, Uwe; Faust, Jürgen; Neubert, Klaus; Bank, Ute; Täger, Michael; Ansorge, Siegfried; Brocke, Stefan

Dual inhibition of dipeptidyl peptidase IV and aminopeptidase N suppresses inflammatory immune responses

In: New York Academy of Sciences: Annals of the New York Academy of Sciences. - Boston, Mass. : Blackwell, Bd. 1110.2007, S. 402-409; [Link unter URL](#)

[Imp.fact.: 1.930]

Reisenauer, Anita; Eickelberg, Oliver; Wille, Aline; Heimbürg, Anke; Reinhold, Annegret; Sloane, Bonnie

F. ; Welte, Tobias; Bühling, Frank

Increased carcinogenic potential of myeloid tumor cells induced by aberrant TGF-[beta]1-signaling and upregulation of cathepsin

In: Biological chemistry. - Berlin [u.a.]: de Gruyter, Bd. 388.2007, 6, S. 639-650; [Link unter URL](#)

[Imp.fact.: 2.752]

Saez-Rodriguez, Julio; Simeoni, Luca; Lindquist, Jonathan; Hemenway, Rebecca; Bommhardt, Ursula; Arndt, Børge; Haus, Utz-Uwe; Weismantel, Robert; Gilles, Ernst D. ; Klamt, Steffen; Schraven, Burkhard

A logical model provides insights into T cell receptor signaling

In: Public Library of Science: PLoS Computational Biology. - San Francisco, Calif. : Public Library of Science, Bd. 3.2007, 8, insges. 11 S.; [Abstract unter URL](#)

[Imp.fact.: 4.914]

Schmitt, Katharina Rose Luise; Diestel, Antje; Lehnardt, Seija; Schwartlander, Ruth; Lange, Peter E. ; Berger, Felix; Ullrich, Oliver; Abdul-Khaliq, Hashim

Hypothermia suppresses inflammation via ERK signaling pathway in stimulated microglial cells

In: Journal of neuroimmunology. - Amsterdam: Elsevier, Bd. 189.2007, 1/2, S. 7-16; [Link unter URL](#)

[Imp.fact.: 2.880]

Selle, Astrid; Ullrich, Oliver; Harnacke, Katja; Hass, Ralf

Retrodifferentiation and rejuvenation of senescent monocytic cells requires PARP-

In: Experimental gerontology. - Oxford [u.a.]: Pergamon Press, Bd. 42.2007, 6, S. 554-562; [Link unter URL](#)

[Imp.fact.: 2.930]

Smida, Michal; Posevitz-Fejfar, Anita; Horejsi, Vaclav; Schraven, Burkhard; Lindquist, Jonathan

A novel negative regulatory function of the phosphoprotein associated with glycosphingolipid-enriched microdomains - blocking Ras activation

In: Blood. - Washington, DC: American Society of Hematology, Bd. 110.2007, 2, S. 596-605; [Link unter URL](#)

[Imp.fact.: 10.370]

Tammer, Ina; Brandt, Sabine; Hartig, Roland; König, Wolfgang; Backert, Steffen

Activation of Abl by Helicobacter pylori - a novel kinase for CagA and crucial mediator of host cell scattering

In: Gastroenterology. - Philadelphia, Pa. : Elsevier, Bd. 132.2007, 4, S. 1309-1319; [Link unter URL](#)

[Imp.fact.: 12.457]

Thielitz, Anja; Reinhold, Dirk; Vetter, Robert; Bank, Ute; Helmuth, Martin; Hartig, Roland; Wrenger, Sabine; Wiswedel, Ingrid; Lendeckel, Uwe; Kähne, Thilo; Neubert, Klaus; Faust, Jürgen; Zouboulis, Christos C. ; Ansorge, Siegfried; Gollnick, Harald

Inhibitors of dipeptidyl peptidase IV and aminopeptidase N target major pathogenetic steps in acne initiation

In: The journal of investigative dermatology. - New York, NY: Nature Publishing Group, Bd. 127.2007, 5, S. 1042-1051; [Link unter URL](#)

[Imp.fact.: 4.535]

Ullrich, Oliver; Merker, Katrin; Timm, Johanna; Tauber, Svantje

Immune control by endocannabinoids - new mechanisms of neuroprotection?

In: Journal of neuroimmunology. - Amsterdam: Elsevier, Bd. 184.2007, 1/2, S. 127-135; [Link unter URL](#)

[Imp.fact.: 2.880]

Zipp, Frauke; Waiczies, Sonia; Aktas, Orhan; Neuhaus, Oliver; Hemmer, Bernhard; Schraven, Burkhard; Nitsch, Robert; Hartung, Hans-Peter

Impact of HMG-CoA reductase inhibition on brain pathology

In: Trends in pharmacological sciences. - Amsterdam: Elsevier, Bd. 28.2007, 7, S. 342-349; [Link unter URL](#)

[Imp.fact.: 10.400]

Originalartikel in begutachteten zeitschriftenartigen Reihen

Ménasché, Gaël; Kliche, Stefanie; Bezman, Natalie; Schraven, Burkhard

Regulation of T-cell antigen receptor-mediated inside-out signaling by cytosolic adapter proteins and Rap 1 effector molecules

In: Immunoreceptors & integrins. - Munksgaard: Blackwell, Bd. 218.2007, S. 82-91; [Link unter URL](#)
[Imp.fact.: 10.758]

Schraven, Burkhard; Reth, Michael

Immunoreceptors and integrins

In: Immunoreceptors & integrins. - Munksgaard: Blackwell, Bd. 218.2007, S. 5-8; [Link unter URL](#)
[Imp.fact.: 10.758]

Herausgeberschaften

Schraven, Burkhard

Immunoreceptors & integrins. - Immunological reviews; 218; Munksgaard: Blackwell; 264 S.: Ill., graph. Darst., 2007

Dissertationen

Gornickel, Bettina

Untersuchungen zum Einfluss von Interferon-[beta] und von Inhibitoren der Dipeptidylpeptidase IV (DP IV, CD26) auf die Produktion des Brain derived neurotrophic factor (BDNF). - Magdeburg, Univ., Medizin. Fakultät, Diss., 2007; 79 Bl: Ill., graph. Darst

Posevitz-Fejfar, Anita

Functional elucidation of pag through the generation of truncation and point mutants. - Magdeburg, Univ., Fak. für Naturwiss., Diss., 2007; [Link unter URL](#); IV, 97 S.: Ill., graph. Darst

Thiemann, René

Restitution des zellulären Thiolstatus durch Silibinin - Wirkungsnachweis und Identifikation subzellulärer Zielstrukturen in humanen Immunzellen. - Magdeburg, Univ., Medizin. Fakultät, Diss., 2007; 87 Bl: graph. Darst