



MEDIZINISCHE
FAKULTÄT

Publikationsbericht 2020

Institut für Molekulare und Klinische Immunologie

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1. LEITUNG

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

2. VERÖFFENTLICHUNGEN

BEGUTACHTETE ZEITSCHRIFTENAUFsätze

Bank, Ute; Deiser, Katrin; Plaza Sirvent, Carlos; Osbelt, Lisa; Witte, Amelie; Knop, Laura; Labrenz, Rebecca; Jansch, Robert; Richter, Felix; Biswas, Aindrila; Zenclussen, Ana Claudia; Vivier, Eric; Romagnani, Chiara; Kühl, Anja Andrea; Dunay, Ildikò Rita; Strowig, Till; Schmitz, Ingo; Schüler, Thomas

c-FLIP is crucial for IL-7/IL-15-dependent NKp46+ ILC development and protection from intestinal inflammation in mice

Nature Communications - [London]: Nature Publishing Group UK, 2010, Bd.11.2020, Art.-Nr. 1056, insgesamt 16 Seiten;

[Imp.fact.: 12.121]

Baumann, Tobias; Dunkel, Andreas; Schmid, Christian; Schmitt, Sabine; Hiltensperger, Michael; Lohr, Kerstin; Laketa, Vibor; Donakonda, Sainitin; Ahting, Uwe; Lorenz-Depiereux, Bettina; Heil, Jan Erik; Schredelseker, Johann; Simeoni, Luca; Fecher, Caroline; Körber, Nina; Bauer, Tanja; Hüser, Norbert; Hartmann, Daniel; Laschinger, Melanie; Eyerich, Kilian; Eyerich, Stefanie; Anton, Martina; Streeter, Matthew; Wang, Tina; Schraven, Burkhard; Spiegel, David; Assaad, Farhah; Misgeld, Thomas; Zischka, Hans; Murray, Peter J.; Heine, Annkristin; Heikenwälder, Mathias; Korn, Thomas; Dawid, Corinna; Hofmann, Thomas F.; Knolle, Percy A.; Höchst, Bastian

Regulatory myeloid cells paralyze T cells through cell-cell transfer of the metabolite methylglyoxal

Nature immunology - London: Springer Nature Limited, 2000, Bd. 21.2020, 5, S. 555-566, insges. 12 S.;

[Gesehen am 15.07.2020]

[Imp.fact.: 20.479]

Bonifacius, Agnes; Goldmann, Oliver; FlöB, Stefan; Holtfreter, Silva; Robert, Philippe A.; Nordengrün, Maria; Kruse, Friederike; Lochner, Matthias; Falk, Christine Susanne; Schmitz, Ingo; Bröker, Barbara; Medina, Eva; Hühn, Jochen

Staphylococcus aureus alpha-toxin limits type 1 while fostering type 3 immune responses

Frontiers in immunology - Lausanne: Frontiers Media, 2010, Vol. 11.2020, Art.-Nr. 1579, insgesamt 13 Seiten;

[Imp.fact.: 5.085]

Brandt, Sabine; Ballhause, Tobias Malte; Bernhardt, Anja; Becker, Annika; Salaru, Delia; Le-Deffge, Hien Minh; Fehr, Alexander; Fu, Yan; Philippen, Lars; Djudjaj, Sonja; Müller, Andreas J.; Kramann, Rafael; Ibrahim, Mahmoud; Geffers, Robert; Siebel, Chris; Isermann, Berend; Heidel, Florian; Lindquist, Jonathan A.; Mertens, Peter Rene

Fibrosis and immune cell infiltration are separate events regulated by cell-specific receptor Notch3 expression

Journal of the American Society of Nephrology: JASN/ American Society of Nephrology - Washington, DC: American Society of Nephrology, 1990, Bd. 31.2020, 11, S. 2589-2608;

[Imp.fact.: 9.274]

Bui, Viet D.; Mwangi, James Wamai; Meinshausen, Ann-Kathrin; Mueller, Andreas J.; Bertrand, Jessica; Schubert, Andreas

Antibacterial coating of Ti-6Al-4V surfaces using silver nano-powder mixed electrical discharge machining
Surface and coatings technology - Amsterdam [u.a.]: Elsevier Science, Bd.383.2020, Art.-Nr. 125254;
[Imp.fact.: 3.192]

Busse, Mandy; Campe, Kim-Norina Jutta; Redlich, Anke; Oettel, Anika; Hartig, Roland; Costa, Serban-Dan; Zenclessen, Ana Claudia

Regulatory B cells are decreased and impaired in their function in peripheral maternasl blood in pre-term birth
Frontiers in immunology - Lausanne: Frontiers Media, 2010, Vol. 11.2020, Art.-Nr. 386, insgesamt 10 Seiten;
[Imp.fact.: 4.716]

Böning, Martha A. L.; Trittel, Stephanie; Riese, Peggy; Ham, Marco Adrianus; Heyner, Maxi; Voss, Martin; Parzmair, Gerald P.; Klawonn, Frank; Jeron, Andreas; Guzmán, Carlos; Jänsch, Lothar; Schraven, Burkhardt; Reinhold, Annegret; Bruder, Dunja

ADAP promotes degranulation and migration of NK cells primed during in vivo Listeria monocytogenes infection in mice
Frontiers in immunology - Lausanne: Frontiers Media, 2010, Vol. 10.2020, Art.-Nr. 3144, insgesamt 16 Seiten;
[Imp.fact.: 5.085]

Carriche, Guilhermina M.; Almeida, Luís; Stüve, Philipp Florenz; Velasquez, Lis; Dhillon-LaBrooy, Ayesha; Roy, Urmi; Lindenberg, Marc; Strowig, Till; Plaza Sirvent, Carlos; Schmitz, Ingo; Lochner, Matthias; Simon, Anna Katharina; Sparwasser, Tim Dominik

Regulating T cell differentiation through the polyamine spermidine
The journal of allergy and clinical immunology: official publication of the American Academy of Allergy, Asthma and Immunology - Amsterdam [u.a.]: Elsevier, 1971, Bd. 146.2020, insges. 25 S. ;
[Imp.fact.: 10.228]

Grüngreiff, Kurt; Gottstein, Thomas; Reinhold, Dirk

Zinc deficiency - an independent risk factor in the pathogenesis of haemorrhagic stroke?
Nutrients - Basel: MDPI, 2009, Vol. 12.2020, 11, Art.-Nr. 3548, insgesamt 11 Seiten;
[Imp.fact.: 4.546]

Hands Schuh, Juliane; Amore, Jonas; Müller, Andreas J.

From the cradle to the grave of an infection - host-pathogen interaction visualized by intravital microscopy
Cytometry / A - Hoboken, NJ: Wiley-Liss, 2003, Bd. 97.2020, 5, S. 458-470;
[Imp.fact.: 3.433]

Hoppe, Anja; Katsoulis-Dimitriou, Konstantinos; Edler, Hanna J.; Dudeck, Jan; Drube, Sebastian; Dudeck, Anne

Mast cells initiate the vascular response to contact allergens by sensing cell stress. Letters to the editor
The journal of allergy and clinical immunology: official publication of the American Academy of Allergy, Asthma and Immunology - Amsterdam [u.a.]: Elsevier, 1971, Bd. 145.2020, 5, S. 1476-1479.e3, insges. 7 S. ;
[Imp.fact.: 10.228]

Kahlfuß, Sascha; Kaufmann, Ulrike; Concepcion, Axel R.; Noyer, Lucile; Raphael, Dimitrius; V äth, Martin; Yang, Jun; Pancholi, Priya; Maus, Mate; Muller, James; Kozhaya, Lina; Khodadadi-Jamayran, Alireza; Sun, Zhengxi; Shaw, Patrick; Unutmaz, Derya; Stathopoulos, Peter B.; Feist, Cori; Cameron, Scott B.; Turvey, Stuart E.; Feske, Stefan

STIM1-mediated calcium influx controls antifungal immunity and the metabolic function of non-pathogenic Th17 cells
EMBO molecular medicine/ European Molecular Biology Organization - Weinheim: Wiley-VCH, 2009, Bd. 12.2020, 8, Art.-Nr. e11592, insgesamt 25 Seiten;
[Imp.fact.: 8.821]

Katsoulis-Dimitriou, Konstantinos; Kotrba, Johanna; Voss, Martin; Dudeck, Jan; Dudeck, Anne

Mast cell functions linking innate sensing to adaptive immunity
Cells: open access journal - Basel: MDPI, 2012, Vol. 9.2020, 12, Art.-Nr. 2538, insgesamt 19 Seiten;
[Imp.fact.: 4.366]

Knop, Laura; Deiser, Katrin; Bank, Ute; Witte, Amelie; Mohr, Juliane; Philipsen, Lars; Fehling, Hans J.; Müller, Andreas J.; Kalinke, Ulrich; Schüler, Thomas

IL-7 derived from lymph node fibroblastic reticular cells is dispensable for naive T cell homeostasis but crucial for central memory T cell survival

European journal of immunology - Weinheim: Wiley-VCH, 1971, Bd. 50.2020, 6, S. 846-857;

[Imp.fact.: 4.695]

Kästle, Matthias; Merten, Camilla; Hartig, Roland; Kaehne, Thilo; LiaunardyJopeace, Ardiyanto; Woessner, Nadine M.; Schamel, Wolfgang; James, John; Minguet, Susana; Simeoni, Luca; Schraven, Burkhard

Tyrosine 192 within the SH2 domain of the Srcprotein tyrosine kinase p56Lck regulates Tcell activation independently of Lck/CD45 interactions

Cell communication and signaling - London: Biomed Central, 2003, Vol. 18.2020, Art.-Nr. 183, insgesamt 18 Seiten;

[Imp.fact.: 4.344]

Körtvélyessy, Péter; Goihl, Alexander; Guttek, Karina; Schraven, Burkhard; Prüß, Harald; Reinhold, Dirk

Serum and CSF cytokine levels mirror different neuroimmunological mechanisms in patients with LGI1 and Caspr2 encephalitis

Cytokine: the official journal of the International Cytokine Society - Oxford [u.a.]: Elsevier, 1989, Vol. 135.2020, 155226;

[Imp.fact.: 2.952]

Körtvélyessy, Péter; Kuhle, Jens; Düzel, Emrah; Vielhaber, Stefan; Schmidt, Christian; Heinius, Annika; Leypoldt, Frank; Schraven, Burkhard; Reinhold, Dirk; Leppert, David; Goihl, Alexander

Ratio and index of neurofilament light chain indicate its origin in GuillainBarré Syndrome

Annals of Clinical and Translational Neurology - Chichester [u.a.]: Wiley, 2013, Bd. 7.2020, 11, S. 2213-2220;

[Imp.fact.: 3.66]

Lowinus, Theresa; Bose, Tanima; Simeoni, Luca; Schraven, Burkhard; Bommhardt, Ursula

Kv1.3 potassium channels - promising therapeutic targets in hematological malignancies

Journal of cellular signaling - Wilmington: Scientific Archives LLC, 2020, Bd. 1.2020, 3, S. 79-86;

Luecke, Eva; Jeron, Andreas; Kröger, Andrea; Bruder, Dunja; Stegemann-Koniszewski, Sabine; Jechorek, Dörthe; Borucki, Katrin; Reinhold, Dirk; Reinhold, Annegret; Föllner, Sebastian; Walles, Thorsten; Hachenberg, Thomas; Schreiber, Jens

Eosinophilic pulmonary vasculitis as a manifestation of the hyperinflammatory phase of COVID-19. Correspondence

The journal of allergy and clinical immunology: official publication of the American Academy of Allergy, Asthma and Immunology - Amsterdam [u.a.]: Elsevier, 1971, Bd. 146.2020;

[Imp.fact.: 10.228]

Luu, Maik; Romero, Rossana; Bazant, Jasmin; Abass, Elfadil; Hartmann, Sabrina; Leister, Hanna; Fischer, Florence; Mahdavi, Rouzbeh; Plaza Sirvent, Carlos; Schmitz, Ingo; Steinhoff, Ulrich; Viekruna, Alexander

The NF- κ B transcription factor c-Rel controls host defense against Citrobacter rodentium

European journal of immunology - Weinheim: Wiley-VCH, Bd. 50.2020, 2, S. 292-294;

[Imp.fact.: 4.695]

Morrison, Eliot; Wegner, Tatjana; Zucchetti, Andres Ernesto; Álvaro-Benito, Miguel; Zheng, Ashley; Kliche, Stefanie; Krause, Eberhard; Brügger, Britta; Hivroz, Claire; Freund, Christian

Dynamic palmitoylation events following T-cell receptor signaling

Communications biology - London: Springer Nature, 2018, Vol. 3.2020, Art.-Nr. 368, insgesamt 9 Seiten;

[Imp.fact.: 4.165]

Ragipoglu, Deniz; Dudeck, Anne; Haffner-Luntzer, Melanie; Voss, Martin; Kroner, Jochen Sven; Ignatius, Anita; Fischer, Verena

The role of mast cells in bone metabolism and bone disorders

Frontiers in immunology - Lausanne: Frontiers Media, 2010, Vol. 11.2020, Art. 163, insgesamt 16 Seiten;
[Imp.fact.: 5.085]

Regli, Ivo B.; Passelli, Katiuska; Martínez-Salazar, Berenice; Amore, Jonas; Hurrell, Benjamin P.; Müller, Andreas J.; Tacchini-Cottier, Fabienne

TLR7 sensing by neutrophils is critical for the control of cutaneous leishmaniasis

Cell reports - Maryland Heights, MO: Cell Press, 2012, Vol. 31.2020, Art.-Nr. 107746, insgesamt 18 Seiten;
[Imp.fact.: 8.109]

Riebisch, Anna Katharina; Mühlen, Sabrina

Attaching and effacing pathogens - the effector ABC of immune subversion

Future microbiology - London: Future Medicine Ltd, 2006, Bd. 15.2020, 10, S. 945-958;
[Imp.fact.: 2.907]

Roggenbuck, Dirk; Delmont, Emilien; Reinhold, Dirk; Schierack, Peter; Conrad, Karsten; Boucraut, Joseph

Autoimmune peripheral neuropathies and contribution of antiganglioside/sulphatide autoantibody testing

Mediterranean journal of rheumatology: an edition of Greek Rheumatology Society and Professional Association of Rheumatologists - Athens: Greek Rheumatology Society, 2015, Bd. 31.2020, 1, S. 10-18;

Shah, Aneri; Plaza Sirvent, Carlos; Weinert, Sönke; Buchbinder, Jörn Holger; Lavrik, Inna N.; Mertens, Peter Rene; Schmitz, Ingo; Lindquist, Jonathan A.

YB-1 mediates TNF-induced pro-survival signaling by regulating NF- κ B activation

Cancers - Basel: MDPI, 2009, Bd. 12.2020, 8, Art.-Nr. 2188, insgesamt 12 Seiten;
[Imp.fact.: 6.126]

Väth, Martin; Kahlfuß, Sascha; Feske, Stefan

CRAC channels and calcium signaling in T cell-mediated immunity

Trends in immunology - Amsterdam [u.a.]: Elsevier Science, 2001, Bd. 41.2020, 10, S. 878-901;
[Imp.fact.: 13.422]

Wahlicht, Tom; Vieyres, Gabrielle; Bruns, Svenja A.; Meumann, Nadja; Büning, Hildegard; Hauser, Hansjörg; Schmitz, Ingo; Pietschmann, Thomas; Wirth, Dagmar

Controlled functional zonation of hepatocytes in vitro by engineering of Wnt signaling

ACS synthetic biology/ American Chemical Society - Washington, DC: ACS, 2012, Bd. 9.2020, 7, S. 1638-1649;
[Imp.fact.: 4.411]

Weise, Friederike; Vieth, Michael; Reinhold, Dirk; Haybäck, Johannes; Goni, Elisabetta; Lippert, Hans; Ridwelski, Karsten; Lingohr, Philipp; Schildberg, Claus; Vassos, Nikolaos; Kruschewski, Martin; Krasniuk, Iurii; Grimminger, Peter; Waidmann, Oliver; Peitz, Ulrich; Veits, Lothar; Kreuser, Nicole; Lang, Hauke; Bruns, Christiane; Möhler, Markus; Lordick, Florian; Gockel, Ines; Schumacher, Johannes; Malfertheiner, Peter; Venerito, Marino

Gastric cancer in autoimmune gastritis - a case-control study from the German centers of the staR project on gastric cancer research

United european gastroenterology journal: Ueg journal - London: Sage, 2013, Bd. 8.2020, 2, S. 175-184;
[Imp.fact.: 3.549]

Weitzmann, Anke; Naumann, Ronald; Dudeck, Anne; Zerjatke, Thomas; Gerbault, Alexander; Roers, Axel

Mast cells occupy stable clonal territories in adult steady-state skin

The journal of investigative dermatology - Amsterdam : Elsevier, Bd. 140.2020, 12, S. 2433-2441.e5
[Imp.fact.: 7.143]

ABSTRACTS

Tönsing, Jonas; Santamaría, Nuria Tubío; Schnöder, Tina; Seifert, Ulrike; Cammann, Clemens; Mohr, Juliane; Deshpande, Aniruddha Jayant; Kirkpatrick, Joanna; Ori, Alessandro; Perner, Florian; Heidel, Florian

Selective dependency of MLL-rearranged leukemia on immunoproteasome function

Oncology research and treatment - Basel : Karger , 2014 - Vol. 43.2020, Suppl. 1, 111, S. 105

[Imp.fact.: 1.967]

DISSERTATIONEN

Birkigt, Jessica; Feist, Eugen [ErwähnteR]; Seifert, Ulrike [ErwähnteR]

Die Rolle von SLP-76 bei der T-Zellrezeptor-vermittelten Aktivierung des Integrins LFA-1 in T-Zellen

Magdeburg: Otto-von-Guericke-Universität Magdeburg, 2020, X, 59, XII-XXXVIII Blätter, Illustrationen, Diagramme

Fraust, Beate; Schmitz, Ingo [AkademischeR BetreuerIn]

Apoptotic and inflammatory signalling pathways in dendritic cells

Magdeburg, 2020, 178 Seiten, Illustrationen, Diagramme, 30 cm;

[Literaturverzeichnis: Seite 137-174]

Waldt, Natalie; Kliche, Stefanie [AkademischeR BetreuerIn]; Lendeckel, Uwe [AkademischeR BetreuerIn]

Kontrolle der TZR-vermittelten Aktivierung von LFA-1 in T-Zellen mithilfe der Phosphorylierung von Filamin A am Serin 2152 durch die Serin/Threonin-Kinase Ndr2

Magdeburg, 2020, 120 Blätter, Illustrationen, Diagramme, 30 cm;

[Literaturverzeichnis: Blatt 106-116]