



Wissenschaftliche Publikationen

Publikationsliste 2019 der Medizinischen und Chirurgischen Kliniken, der Abteilungen für Klinische Chemie und Biochemie, Intensivmedizin und Neonatologie, Anästhesie und Bild Diagnostik

Artikel in wissenschaftlichen Zeitschriften

Ackermann, Irene; **Henze, Georg; Kottke, Raimund; Weiss, Markus.** (2019). *Spinal meningeal cyst in a child with Marfan syndrome: A potential cause for apparent dural puncture during caudal epidural block.* Paediatric Anaesthesia, 29(9), 959-961.

Adams, Mark; Berger, Thomas M.; Borradori-Tolsa, Cristina; Bickle-Graz, Myriam; Grunt, Sebastian; Gerull, Roland; Bassler, Dirk; **Natalucci, Giancarlo;** Swiss Neonatal Network; Follow-up, Group. (2019). *Association between perinatal interventional activity and 2-year outcome of Swiss extremely preterm born infants: a population-based cohort study.* BMJ Open, 9(3), e024560.

Adel Fahmideh, Maral; Lavebratt, Catharina; Tettamanti, Giorgio; Schüz, Joachim; Röösl, Martin; Kjaerheim, Kristina; **Grotzer, Michael A.;** Johansen, Christoffer; Kuehni, Claudia E.; Lannering, Birgitta; Schmidt, Lisbeth S.; Darabi, Hatem; Feychting, Maria. (2019). *A Weighted Genetic Risk Score of Adult Glioma Susceptibility Loci Associated with Pediatric Brain Tumor Risk.* Scientific Reports, 9(1), 18142.

Aeppli, Norbert; Lindauer, Bastian; Steurer, Marc P.; **Weiss, Markus;** Dullenkopf, Alexander. (2019). *Endotracheal tube cuff pressure changes during manual cuff pressure control manoeuvres: An in-vitro assessment.* Acta anaesthesiologica Scandinavica, 63(1), 55-60.

Aeppli, Tim R. J.; Mahler, Fiona L.; Konrad, Daniel. (2019). *Future glycaemic control of children diagnosed with type 1 diabetes mellitus at toddler and preschool/school age.* Journal of Pediatric Endocrinology & Metabolism, 32(9), 929-933.

Ajdacic-Gross, Vladeta; Mütsch, Margot; Rodgers, Stephanie; Tesic, Anja; Müller, Mario; Seifritz, Erich; Wagner, En-Young N.; von Känel, Roland; **Landolt, Markus A.;** Steinemann, Nina; von Wyl, Viktor; Castela, Enrique; Strippoli, Marie-Pierre F.; Glaus, Jennifer; Vandeleur, Caroline L.; Marques-Vidal, Pedro M.; Vollenweider, Peter; Preisig, Martin. (2019). *A step beyond the hygiene hypothesis-immune-mediated classes determined in a population-based study.* BMC Medicine, 17(1), 75.

Akbar, Michael; **Dreher, Thomas;** Stücker, Ralf. (2019). *Wachstumsbedingte Störung der Halte- und Bewegungsorgane.* Der Orthopäde, 48(6), 451-451.

Akeret, Kevin; Serra, Carlo; Rafi, Omar; Staartjes, Victor E.; Fierstra, Jorn; Bellut, David; Maldaner, Nicolai; Imbach, Lukas L.; Wolpert, Fabian; Poryazova, Rositsa; Regli, Luca; **Krayenbühl, Niklaus.** (2019). *Anatomical features of primary brain tumors affect seizure risk and semiology.* NeuroImage: Clinical, 22, 101688.

Al-Dewik, Nader; Ali, Alaa; Mahmoud, Yassmin; Shahbeck, Noora; Ali, Rehab; Mahmoud, Laila; Al-Mureikhi, Mariam; Al-Mesaifri, Fatma; Musa, Sara; El-Akouri, Karen; Almulla, Mariam; Al Saadi, Reem; Nasrallah, Gheyath K.; Samara, Muthanna; Abdo, Ghassan; Rifai, Hilal Al; **Häberle, Johannes; Thöny, Beat;** Kruger, Warren; Blom, Henk J.; Ben-Omran, Tawfeg. (2019). *Natural history, with clinical, biochemical, and molecular characterization of classical homocystinuria in the Qatari population.* Journal of Inherited Metabolic Disease, 42(5), 818-830.

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Albrecht, Joëlle; Huber, Reto. (2019). *Schlaf und Lernen in der Entwicklung*. Kinder- und Jugendmedizin, 19(03), 170-176.

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Alisic, Eva; Mangelsdorf, Shaminka N.; Schilpzand, Elizabeth J.; Barrett, Anna; **Landolt, Markus A.;** Mehl, Matthias R. (2019). *Can children predict psychological recovery after injury?* Archives of Disease in Childhood, 317709.

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Ammann-Reiffer, Corinne; Bastiaenen, Caroline H. G.; **Klöti, Corina; van Hedel, Hubertus J. A.** (2019). *Concurrent Validity of Two Gait Performance Measures in Children with Neuromotor Disorders*. Physical & Occupational Therapy in Pediatrics, 39(2), 181-192.

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Arhab, Amar; Messerli-Bürgy, Nadine; **Kakebeeke, Tanja H.;** Stülb, Kerstin; Zysset, Annina; **Leeger-Aschmann, Claudia S.;** Schmutz, Einat A.; Meyer, Andrea H.; Munsch, Simone; Kriemler, Susi; **Jenni, Oskar G.;** Puder, Jarde-na J. (2019). *Association of physical activity with adiposity in preschoolers using different clinical adiposity measures: a cross-sectional study*. BMC Pediatrics, 19, 397.

Aronson, Daniel C.; Weeda, Viola B.; Maibach, Rudolf; Czaundera, Piotr; Dall'igna, Patrizia; de Ville de Goyet, Jean; Branchereau, Sophie; Perilongo, Giorgio; Brock, Penelope; Zsiros, Jozsef; Semeraro, Michaela; Chardot, Christophe; Wildhaber, Barbara; Morland, Bruce; Brugières, Laurence; Childhood Liver Tumour Strategy, Group. (2019). *Microscopically positive resection margin after hepatoblastoma resection: what is the impact on prognosis? A Childhood Liver Tumours Strategy Group (SIOPEL) report*. European Journal of Cancer, 106, 126-132.

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Badshah, I. I.; Brown, S.; **Weibel, L.;** Rose, A.; Way, B.; Sebire, N.; Inman, G.; Harper, J.; O'Shaughnessy, R. F. L. (2019). *Differential expression of secreted factors SOSTDC1 and ADAMTS8 cause profibrotic changes in linear morphoea fibroblasts*. British Journal of Dermatology, 180(5), 1135-1149.

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Referent/in: **Matthias R, Baumgartner; Martina, Huemer**
University of Zurich, Faculty of Medicine

Kuhn, Sereina (2019): *Risk factors for central line-associated bloodstream infections in children with tunneled central venous catheters*
Referent/in: **Christoph, Berger; Paolo, Paioni**
University of Zurich, Faculty of Medicine

Luebben, Anna Vera (2019): *Algorithms for Crystal Structure Determination in Macromolecular Crystallography*
Universität Göttingen, Mathematisch-Naturwissenschaftliche Fakultät

Mannhard, Doris (2019): *Plastic and orthopaedic interventions and long-term sequelae in children with meningococcal septicemia: 40 years of experience at the University Children's Hospital Zurich*
Referent/in: **Martin, Meuli; Clemens, Schiestl**
University of Zurich, Faculty of Medicine

Mathis, Tamara (2019): *Glykogenose Typ 1: Die Auswirkung des Enzymdefektes auf Funktion und Regulation des Metabolismus - eine integrative Analyse mittels Metabolomik*
Referent/in: **Matthias, Baumgartner**
University of Zurich, Faculty of Medicine

Meuwly, Eliane Christine (2019): *Postoperative brain volumes are associated with one-year neurodevelopmental outcome in children with severe congenital heart disease*
Referent/in: **Bea, Latal**
University of Zurich, Faculty of Medicine

Mouttet, Brice (2018): *Identification of direct targets of the oncogenic fusion protein TCF3-HLF in treatment refractory childhood acute lymphoblastic leukemia*
Referent/in: **Jean-Pierre, Bourquin; Markus, Manz; Konrad, Basler; Beat, Bornhauser; Matthias Gstaiger**
University of Zurich, Faculty of Science

Müller, Sabrina Theresia (2019): *Neurobiology of Stress: the interconnections of FKBP5, GABA, and BDNF*
Referent/in: Lutz Jäncke, **Ruth Tuura O'Gorman**, Gregor Hasler
University of Zurich, Faculty of Arts and Social Sciences

Petit, Gaetan (2019): *Local sleep-like events during wakefulness and longterm space travel*
Referent/in: Nicole, Wenderoth; **Reto, Huber; Christian, Baumann**
ETH Zürich

Pfeifer, Mischa Dimitri (2019): *Signal processing in functional near-infrared spectroscopy (fNIRS) : methodological differences lead to different statistical results*
Referent/in: **Hubertus, van Hedel**
University of Zurich, Faculty of Medicine

Plessl, Tanja (2019): *Molecular mechanisms and interactions in methylmalonic aciduria*
Referent/in: **Matthias R, Baumgartner; Beat Werner, Schäfer; Brian, Fowler**; Wyatt W, Yue
University of Zurich, Faculty of Science

Rocha Martin, Vanes Natalin (2019): *Role of Cutibacterium avidum during gut colonization and in the alleviation of infant colic.*
Referent/in: **Christian, Braegger**
ETH Zürich

Rodriguez Martinez, Virginia (2019): *A VNN2 signature associated with drug resistance in B-cell precursor acute lymphoblastic leukemia*
Referent/in: **Jean-Pierre, Bourquin; Beat, Bornhauser**; Maries F, van den Broek; Claudia, Lengerke
University of Zurich, Faculty of Science

Schmid, Kathrin (2019): *Frequency distribution of modified Cormack-Lehane views: a retrospective audit of tracheal intubation in children with normal airways*
Referent/in: **Markus, Weiss**
University of Zurich, Faculty of Medicine

Schreck, Leonie Daria (2019): *Establishment of a three-dimensional culture system as drug screening platform to tailor personalized therapies to rhabdomyosarcoma patients*
Referent/in: **Beat Werner, Schäfer; Felix, Niggli**
University of Zurich, Faculty of Medicine

Urdinez, Joaquin (2019): *Relevant MicroRNAs in Chondrosarcoma Progression*
Referent/in: **Beat, Schäfer**; Lubor, Borsig; Jan, Krützfeldt; Jess, Snedeker
University of Zurich, Faculty of Medicine

Habilitationen

Christmann, Martin (2019): *Advantages and pit-falls of current diagnostic modalities for coronary anatomy and function in paediatric cardiology*
University of Zurich, Faculty of Medicine

Hunziker, Manuela (2018): *Vesicoureteral reflux in children and families*
University of Zurich, Faculty of Medicine

Quandt, Daniel (2018): *Cardiac catheter interventions in small children - new trends and clinical applications*
University of Zurich, Faculty of Medicine

Roduit, Caroline (2019): *Oral Immunotherapy for the treatment of food allergy*
University of Zurich, Faculty of Medicine

Werner, Helene (2018): *Health-related quality of life and psychological adjustment in pediatric patients with chronic diseases*
University of Zurich, Faculty of Medicine

Masterarbeiten

Anyig, Christelle (2019): *The plagiocephalometry assessment: a cross-sectional reliability study of the German version in infants and young children with skull asymmetries*
Referent/in: **Hubertus van Hedel**
Zürcher Hochschule für angewandte Wissenschaften (ZHAW)

Bartal, Timm (2019): *Behavioral difficulties in very preterm children at five years of age using the Strengths and Difficulties Questionnaire: a multicenter cohort study*
Referent/in: **Beatrix Latal Hajnal**
University of Zurich, Faculty of Medicine

Brestel, Jessica Amanda (2019): *Longterm outcomes and health related quality of life in patients with corrected esophageal atresia in Switzerland*
Referent/in: **Ulrike Subotic, Martin Meuli**
University of Zurich, Faculty of Medicine

Brun, Brittany (2019): *Radiofrequency Catheter Ablation of Paediatric Focal Atrial Tachycardia Using Modern 3D Mapping Systems*
Referent/in: **Christian Balmer**
University of Zurich, Faculty of Medicine

Büchler, Vanessa Lisa (2019): *Characterization of distinct melanocyte populations in human interfollicular epidermis*
Referent/in: **Agnes Silvia Klar, Thomas Biedermann**
University of Zurich, Faculty of Medicine

Bulloni, Agata (2019): *Studying cortical activity using fNIRS in children with neuromotor disorders during supported walking: a feasibility study*
Referent/in: **Hubertus van Hedel, Anja Gut**
ETH Zürich

Büeler, Silvan (2019): *Primary motor cortex activation during a discrete vs. a rhythmic wrist movement task – an fNIRS study*
Referent/in: **Rob Labruyère, Hubertus van Hedel**
ETH Zürich

Caprez, Reto (2019): *Evaluating sequential changes in territorial perfusion (H2[150]-Positron Emission Tomography) after cerebral revascularization in pediatric moyamoya*
Referent/in: **Nadia Khan**
University of Zurich, Faculty of Medicine

Dimitrijevic, Predrag (2019): *Der Einfluss von Sympathie, Vertrautheit und emotionaler Valenz auf die physiologische Synchronität zweier*
Referent/in: **Markus Landolt**
Universität Zürich, Philosophische Fakultät

Fauchère, Meret (2019): *Retrospective Study of Critically ill Children with Chronic Conditions*

in a Swiss Paediatric Intensive Care Unit.
Referent/in: **Bernhard Frey**
University of Zurich, Faculty of Medicine

Fenner, Diana (2019): *„Toxic shock syndrome“ als neue Entität – Entwicklung der Krankheitsdefinition.*
Referent/in: **David Nadal**
Universität Zürich, Medizinische Fakultät

Fivian, Matthias (2019): *Analysis of the therapeutic yield of computed tomography scans in children presenting with seizures. A retrospective analysis of children admitted to the pediatric intensive care unit at the University Children's Hospital Zurich*
Referent/in: **Bernhard Frey**
University of Zurich, Faculty of Medicine

Ganz, Denise (2019): *Zugang zur Heilpädagogischen Früherziehung im Kanton Zürich: Perspektiven der Eltern und Fachpersonen*
Referent/in: **Oskar Jenni, Matthias von Rhein**
Zürcher Hochschule für angewandte Wissenschaften (ZHAW)

Geiger, Léa (2019): *Tageszeitliche und schlafabhängige Veränderungen der Aufmerksamkeitssteuerung und Impulskontrolle: Kinder und Jugendliche mit Aufmerksamkeitsdefizit-Hyperaktivitätsstörung und eine Kontrollgruppe im Vergleich*
Referent/in: **Reto Huber**
Universität Zürich, Medizinische Fakultät

Gossweiler, Emmanuel (2019): *Recurrent inflammatory disease caused by a heterozygous mutation in CD48. Mouse model of CD48 haploinsufficiency*
Referent/in: **Jana Pachlopnik Schmid, Stefano Vavassori**
University of Zurich, Faculty of Medicine

Goedert, Marine (2019): *Reliability and validity of the German translation of the Pediatric Balance Scale in children with neuromotor disorders*
Referent/in: **Hubertus van Hedel**
Zürcher Hochschule für angewandte Wissenschaften (ZHAW)

Greiter, Beat Michael (2019): *Lymphocyte Subsets in HIV-Exposed Uninfected Infants: the Impact of Neonatal Postexposure Prophylaxis with Zidovudine*
Referent/in: **Paolo Paioni, Christoph Berger**
University of Zurich, Faculty of Medicine

Gröble, Sabrina (2019): *Differences in Gait Parameters in Real versus Projected Everyday Life Walking Scenarios in Healthy Children and Adolescents.*
Referent/in: **Corinne Ammann, Hubertus van Hedel**
ETH Zürich

Hijman, Anna-Isabella (2019): *Determining Reference Ranges for total T4 in Dried Blood Samples from Newborn Screening.*
Referent/in: **Daniel Konrad, Ralph Fingerhut**
University of Zurich, Faculty of Medicine

Isler, Jasmine (2019): *Improvement of diagnostic yield in carbamoylphosphate synthetase 1 (CPS1) molecular genetic investigation by RNA sequencing*
Referent/in: **Johannes Häberle**
University of Zurich, Faculty of Medicine

Keller, Niko (2019): *Selective slow-wave sleep deprivation as a potential treatment approach in children and adolescents with Major Depressive Disorder – a qualitative review of current research*
Referent/in: **Miriam Gerstenberg, Reto Huber**
University of Zurich, Faculty of Medicine

Juan, Yanick (2019): *Der Zusammenhang von Emotionsansteckung und Physiological Linkage*
Referent/in: **Markus Landolt**
Universität Zürich, Philosophische Fakultät

Korevaar, Lea (2019): *Brain Maturation and Cognitive Functioning in Children with a Congenital Heart Disease: Slow Wave Activity connected to the Intelligence Quotient*
Referent/in: **Lutz Jäncke, Reto Huber, Flavia Wehrle**
Universität Zürich, Philosophische Fakultät

Kerstein, Leandra (2019): *Veränderung von präfrontaler Glutamat und GABA Konzentration nach Schlafrestriktion mittel Magnetresonanz-Spektroskopie*
Referent/in: **Reto Huber, Angelina Maric, Katharina Henke**
Universität Bern

Killian, Michael (2019): *Fatal infections in primary immunodeficiencies – how to setup a systematic review*
Referent/in: **Jana Pachlopnik Schmid, Andrea A. Mauracher**
University of Zurich, Faculty of Medicine.

Lach, Selina (2019): *Blood trauma potential of the HeartWare Ventricular Assist Device in pediatric patients*
Referent/in: **Marcus Granegger, Martin Schweiger**
University of Zurich, Faculty of Medicine

Locher, Benedikt (2019): *Comparative analysis of cardiac energetics in isolated hearts supported by pulsatile or rotary blood pumps – implications for cardiac recovery?*
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University of Zurich, Faculty of Medicine

Looser, Rebekka (2019): *Familiäre Risikofaktoren für eine ungünstige metabolische Kontrolle bei Kindern und Jugendlichen mit Typ-1-Diabetes*

Referent/in: **Markus Landolt**

Universität Zürich, Philosophische Fakultät

Lunin, Jana (2019): *Zusammenhang zwischen exekutiven Funktionen und Lebensqualität bei ehemaligen Frühgeborenen im Schulalter*

Referent/in: **Bea Latal, Flavia Wehrle**

Universität Zürich, Medizinische Fakultät

Mahler, Jasmin (2019): *The Influence of Strength on Selective Voluntary Movement Control Outcomes of the Upper Limb in Children with Neurological Disorders*

Referent/in: Jeffrey Keller, **Hubertus van Hedel**

ETH Zürich

Manetsch, Patrick (2019): *Identification of USP22 as a regulator of PAX3-FOXO1 protein stability in alveolar Rhabdomyosarcoma*

Referent/in: **Beat Schäfer**

University of Zurich, Molecular and Cellular Biology, MNF

Mattern, Johanna (2019): *Der zeitliche Verlauf von dysfunktionalen posttraumatischen Kognitionen bei Kindern und Jugendlichen nach einem Verkehrs- oder Verbrennungsunfall*

Referent/in: **Markus Landolt**

Universität Zürich, Philosophische Fakultät

Peter, Maike Lisa (2019): *Anleitung zur korrekten Gipsanlage beim Kind – Die zehn häufigsten Kindergipse – Medienarbeit*

Referent/in: **Michelle Seiler , Sophie Böttcher-Haberzeth**

Universität Zürich, Medizinische Fakultät

Pyngottu, Ashima (2019): *Health-related quality of life and psychological adjustment of children and adolescents with pacemakers and implantable cardioverter defibrillators: A systematic review*

Referent/in: **Christian Balmer**

University of Zurich, Faculty of Medicine

Redard-Jacot, Céline (2019): *Der Zusammenhang von kognitiver Leistung und Schlafspindeln: Kinder und Jugendliche mit Aufmerksamkeitsdefizit-Hyperaktivitätsstörung und eine Kontrollgruppe im Vergleich*

Referent/in: **Reto Huber**

Universität Zürich, Medizinische Fakultät

Reddy, Veena (2019): *Zurich Appearance Score for Hands (ZASH): Validierung eines Messinstrumentes zur subjektiven Wahrnehmung des Aussehens von Handfehlbildungen*

Referent/in: **Markus Landolt**

Universität Zürich, Philosophische Fakultät

Rietmann, Fabian (2019): *Characterization of oncogenic mechanisms in TCF3-HLF-driven Acute Lymphoblastic Leukemia*

Referent/in: **Beat Bornhauser**

University of Zurich, Cancer Biology, MNF

Rota, Claudia (2019): *Übersetzung und Test-Retest Reliabilitätsprüfung des Mini-Assisting Hand Assessments (Mini-AHA)*

Referent/in: **Hubertus van Hedel**

Carl Remigius Medical School (CRMS),

Frankfurt am Main, Deutschland

Russo, Linda (2019): *Identification and targeting of endocytic regulators involved in cell migration control in medulloblastoma*

Referent/in: **Martin Baumgartner**

University of Zurich, Cancer Biology, MNF.

Sasivari, Zerine (2019): *Double Variants in Thyroid Stimulating Hormone Receptor (TSHR) and Dual Oxidase 2 (DUOX2) in a patient with Hypothyroidism: Case report*

Referent/in: **Daniel Konrad, M. Lang-Muritano**

University of Zurich, Faculty of Medicine

Scheifele, Carmen (2019): *Hämodynamische und klinische Entwicklung von Patienten nach Fontankompletterung*

Referent/in: **Marcus Granegger , Martin Schweiger**

Universität Zürich, Medizinische Fakultät

Schönholzer, Marc Thomas (2019): *Sensing ERK activation in medulloblastoma in real-time: A means of efficient evaluation of drug efficacies and pathway crosstalk*

Referent/in: **Martin Baumgartner**

University of Zurich, Cancer Biology, MNF

Schuler, Stefanie Katharina (2019): *Infektiöse Endokarditis am Universitäts-Kinderspital Zürich. Retrospektive Analyse der Jahre 2006 bis 2017*

Referent/in: **Walter Knirsch**

Universität Zürich Medizinische fakultät

Stöckli, Alexandra (2019): *Effects of correcting for prematurity of EF task performance of very preterm children*

Referent/in: Regula Everts, **Flavia Wehrle**

Universität Bern

Tschudin, Rebecca Marina (2019): *Angiographic efficacy of surgical revascularisation techniques in pediatric Moyamoya angiopathy .*

Referent/in: **Nadia Khan**

University of Zurich, Faculty of Medicine

Ullrich, Cinzia (2019): *A Systematic Review of Neurocognitive Outcome in Children with Congenital Heart Disease at School Age. Part 1: Protocol and search terms*

Referent/in: Ulrike Held, **Beatrix Latal Hajnal**
University of Zurich, Faculty of Medicine

Valencia Gonzalez, Anna (2019): *Approaches to Establish Extracardiac Total Cavopulmonary Connections in Animal Models - A Review*

Referent/in: **Marcus Granegger, Martin Schweiger**

University of Zurich, Faculty of Medicine

Venzin, Selina (2019): *Brain Maturation and Cognitive Functioning in Children with Congenital Heart Disease: The Association between Sleep Spindles and Cognition*

Referent/in: Lutz Jäncke, **Reto Huber, Flavia Wehrle**

Universität Zürich, Philosophische Fakultät

Vrankovic, Matia Iva (2019): *Simplified Digital Balance Assessment in Typically Developing School Children*

Referent/in: **Matthias Rüger , Martin Meuli**

University of Zurich, Faculty of Medicine

Widmer, Natacha (2019): *Schlafdefizit & Schulstartverschiebung aus Sicht von Zürcher Jugendlichen: Eine multivariate Analyse verschiedener Einflussfaktoren auf die Präferenz für einen späteren Schulstart*

Referent/in: **Markus Landolt**

Universität Zürich, Philosophische Fakultät

Wirth, Michael (2019): *Chondrogenic effects of Traditional Chinese Medicine compounds on osteoarthritic chondrocytes in vitro*

Referent/in: Sibylle Grad, **Daniel Max Weber**

University of Zurich, Faculty of Medicine

Yaw, Mei Ling (2019): *Jugendliche leiden unter einem Schlafdefizit: Wie stehen Gymnasial-Lehrpersonen aus dem Kanton Zürich zu einem späteren Schulstart?*

Referent/in: **Markus Landolt**

Universität Zürich, Philosophische Fakultät

Herausragende Publikationen (IF>10)

Challa, Tenagne D.; Wueest, Stephan; Lucchini, Fabrizio C.; Dedual, Mara; Modica, Salvatore; **Borsigova, Marcela;** Wolfrum, Christian; Blüher, Matthias; **Konrad, Daniel.** (2019). *Liver ASK1 protects from non-alcoholic fatty liver disease and fibrosis.* EMBO Molecular Medicine, 11(10), e10124.

Guerreiro Stucklin, Ana S.; Ryall, Scott; Fukuoka, Kohei; Zapotocky, Michal; Lassaletta, Alvaro; **Grotzer, Michael A.;** et al. (2019). *Alterations in ALK/ROS1/NTRK/MET drive a group of infantile hemispheric gliomas.* Nature Communications, 10(1), 4343.

Jakab, Andras; Meuwly, Eliane; Feldmann, Maria; von Rhein, Michael; Kottke, Raimund; O’Gorman Tuura, Ruth; Latal, Beatrice; Knirsch, Walter.; Research Group, Heart; Brain. (2019). *Left temporal plane growth predicts language development in newborns with congenital heart disease.* Brain: a journal of neurology, 142(5), 1270-1281.

Meyer Sauter, Patrick M.; Seiler, Michelle; Trück, Johannes; Unger, Wendy W. J.; **Paioni, Paolo; Relly, Christa; Staubli, Georg; Haas, Thorsten; Gysin, Claudine;** M. Bachmann, Lucas; van Rossum, Annemarie M. C.; **Berger, Christoph.** (2019). *Diagnosis of Mycoplasma pneumoniae Pneumonia with Measurement of Specific Antibody-Secreting Cells.* American Journal of Respiratory and Critical Care Medicine, 200(8), 1066-1069.

McComb, Scott; Chan, Pik Ki; Guinot, Anna; Hartmannsdottir, Holmfridur; **Jenni, Silvia;** Dobay, Maria Pamela; **Bourquin, Jean-Pierre; Bornhauser, Beat C.** (2019). *Efficient apoptosis requires feedback amplification of upstream apoptotic signals by effector caspase-3 or -7.* Science Advances, 5(7), aau9433.

Nüesch, Ursina; Mauracher, Andrea A.; Opitz, Lennart; Volkmer, Benjamin; Michalak-Mińska, Katarzyna; Kamarashev, Jivko; Hartwig, Tom; **Reichmann, Ernst;** Becher, Burkhard; **Vavassori, Stefano; Pachlopnik Schmid, Jana.** (2019). *Epithelial proliferation in inflammatory skin disease is regulated by tetratricopeptide repeat domain 7 (Ttc7) in fibroblasts and lymphocytes.* Journal of Allergy and Clinical Immunology, 143(1), 292-304.e298.

Volkmer, Benjamin; Planas, Raquel; Gossweiler, Emanuel; Lünemann, Anna; Opitz, Lennart; Mauracher, Andrea; Nüesch, Ursina; Gayden, Tenzin; Kaiser, Daniela; Drexel, Barbara; Dumrese, Claudia; Jabado, Nada; **Vavassori, Stefano; Pachlopnik Schmid, Jana.** (2019). *Recurrent inflammatory disease caused by a heterozygous mutation in CD48.* Journal of Allergy and Clinical Immunology, 144(5), 1441-1445.e1417.

Preise und Ehrungen

Aurich, Tabea, Rehabilitation, **Eberhart-Ketz Preis** der Pro Humanis Stiftung für ihre Arbeiten zum robotisch-gestützten Rehabilitation bei Kindern und Jugendlichen

Bartals, Timm, Entwicklungspädiatrie, **UZH Semesterpreis der Universität Zürich**, «Behavioral difficulties in very preterm children at five years of age using the Strengths and Difficulties Questionnaire: a multicenter cohort study»

Bartels, Lasse, Psychiatrie, **Best poster award at the 9th FZK/CRC Retreat**, «The Acute Traumatic Stress Symptoms Network Structure in Young Children»

Berger, Christoph, Infektiologie, **Guido Fanconi Gedenkpreis 2019 verliehen von der Schweizerischen Gesellschaft für Pädiatrie (SGP)**

Callegari, Alessia, Kardiologie, **Moderated Poster Preis AEPC 2019**, «Parameters of myocardial deformation in single ventricle patients after Fontan palliation - assessment by feature tracking cardiovascular magnetic resonance»

Dittli, Jan, Rehabilitation, **Anna-Müller Grocholski-Prize** zur Förderung der Forschung im Bereich Kinderrehabilitation, «Klinische Anwendung und Machbarkeit einer aufgabenorientierten Handtherapie mit Unterstützung eines pädiatrischen Hand Exoskeletts (PEXO)»

Forny, Patrick, Stoffwechsel, **Creativity prize of the department of pediatric surgery at the 9th FZK/CRC Retreat**, «Integrative multiomics approach to unravel disease causes and mechanisms of methylmalonic aciduria»

Goedert, Marine, Rehabilitation, **beste Masterarbeit in der Physiotherapie** der Zürcher Hochschule für angewandte Wissenschaften (ZHAW), «Reliability and Validity of the

German translation of the Pediatric Balance Scale in children with neuromotor deficits»

Häberle, Johannes, Stoffwechsel, **Garrod Award inkl. Lecture at SSIEM annual symposium**, «Urea cycle disorders: of ammonia, dialysis and future directions in management»

Holz, Sepp, Entwicklungspädiatrie, **Lehrpreis des Kinderspitals Zürich**

Laubacher, Dominik, Onkologie, **Best poster award at the 9th FZK/CRC Retreat**, «A potential role of SWI/SNF complexes as functional cofactors of PAX3-FOXO1 contributing to differentiation blockage in alveolar rhabdomyosarcoma»

Lieber, Jan, Rehabilitation, **Anna-Müller Grocholski-Prize** zur Förderung der Forschung im Bereich Kinderrehabilitation, «Klinische Anwendung und Machbarkeit einer aufgabenorientierten Handtherapie mit Unterstützung eines pädiatrischen Hand Exoskeletts (PEXO)»

Kucian, Karin, MR-Forschung, **Prize for best research of the Swiss Society of Dyslexia/Dyscalculia (Verband Dyslexie Schweiz VDS)**

Labruyère, Rob, Rehabilitation, **Eberhart-Ketz Preis** der Pro Humanis Stiftung für ihre Arbeiten zum robotisch-gestützten Rehabilitation bei Kindern und Jugendlichen

Marsico, Petra, Rehabilitation, **Anna-Müller Grocholski-Prize** zur Förderung der Forschung im Bereich Kinderrehabilitation, «Somatosensory function and body awareness in children with neuromotor disorders focusing on the lower limb»

McCaskey, Ursina, MR-Forschung, **Best oral presentation award at the 9th FZK/CRC Retreat**, «Can we predict the development of numerical competences based on brain imaging?»

Meyer Sauter, Patrick, Infektiologie, **Prize for best oral presentation**, SwissPedNet Translational & Clinical Research Session, Annual Congress of the Swiss Society of Pediatrics (SSP), 2019; Bellinzona

Meyer Sauter, Patrick, Infektiologie, **2nd Prize of the Swiss Society for Infectious Diseases (SSI) Awards 2019** in the category "Clinical Research in Infectious Diseases", Annual Congress of the Swiss Society for Infectious Diseases (SSI), 2019; Lausanne

Odermatt, Timothy, Endokrinologie, **Best Student Presentation** an der Jahrestagung der Schweizerischen Gesellschaft für Endokrinologie und Diabetologie (SGED), «Adipocyte-specific gp130 signalling mediates exercise-induced weight reduction»

Planas, Raquel, Immunologie, **Best oral presentation award at the 9th FZK/CRC Retreat**, «Recurrent inflammatory disease caused by a heterozygous mutation in CD48»

Rast, Fabian, Rehabilitation, **Anna-Müller Grocholski-Prize** zur Förderung der Forschung im Bereich Kinderrehabilitation, «And what do families really want? A systematic overview of pediatric rehabilitation goals»

Skorucak, Jelena, Entwicklungspädiatrie, **Best oral presentation award at the 9th FZK/CRC Retreat**, «Automatic detection of spikes in pediatric patients with spike-wave epilepsy»

Usemann, Jakob, Pneumologie, **Talent Preis Schweizer Gesellschaft für Pädiatrie**

Weber, Ronja, Pneumologie, **Best poster award at the 9th FZK/CRC Retreat**, «Identification of disease-specific molecular breath profiles in patients with allergic asthma»