

# Wissenschaftliche Publikationen

## Publikationsliste 2014 der Medizinischen und Chirurgischen Kliniken, der Abteilungen für Klinische Chemie und Biochemie, Intensivmedizin und Neo- natologie, Anästhesie und Bild Diagnostik am Kinderspital Zürich.

### Originalarbeiten (referiert)

**Abela L, Plecko B, Palla A, Burda P, Nuoffer JM, Ballhausen D, Rohrbach M.** *Early co-occurrence of a neurologic-psychiatric disease pattern in Niemann-Pick type C disease: a retrospective Swiss cohort study.* Orphanet J Rare Dis 9:176, 2014.

Adamsen D, Ramaekers V, Ho HT, **Britschgi C, Rüfenacht V, Meili D, Bobrowski E, Philippe P, Nava C, Van Maldergem L, Bruggmann R, Walitza S, Wang J, Grünblatt E, Thöny B.** *Autism spectrum disorder associated with low serotonin in CSF and mutations in the SLC29A4 plasma membrane monoamine transporter (PMAT) gene.* Molecular Autism 5:43, 2014.

Aeschlimann FA, Hofer KD, **Cannizzaro Schneider E, Schroeder S, Lauener R, Saurenmann RK.** *Infliximab in pediatric rheumatology patients: a retrospective analysis of infusion reactions and severe adverse events during 2246 infusions over 12 years.* J Rheumatol 41:1409-1415, 2014.

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**mer N, Ammann RA.** *A prospective multicenter SPOG 2003 FN study of microbiologically defined infections in pediatric cancer patients with fever and neutropenia.* Pediatr Infect Dis J 33:e219-225, 2014.

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Alqahtani E, Huisman TA, **Boltshauser E, Scheer I, Güngör T, Tekes A, Maegawa GH,**

**Poretti A.** *Mucopolysaccharidoses type I and II: new neuroimaging findings in the cerebellum.* Eur J Paediatr Neurol 18:211-217, 2014.

Ammann RA, **Niggli FK, Leibundgut K, Teufel O, Bodmer N.** *Exploring the association of hemoglobin level and adverse events in children with cancer presenting with fever in neutropenia.* PLoS One 33:e219-e225, 2014.

Ammann-Reiffer C, Bastiaenen CH, de Bie RA, **van Hedel HJ.** *Measurement properties of gait-related outcomes in youth with neuromuscular diagnoses: a systematic review.* Phys Ther 94:1067-1082, 2014.

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**Attenhofer Jost CH, Connolly HM, Scott CG, Burkhart HM, Ammash NM, Dearani JA.** *Increased risk of possible paradoxical embolic events in adults with Ebstein anomaly and*

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**Attenhofer Jost C**, Greutmann M, Conolly HM, **Weber R**, **Rohrbach M**, **Oxenius A**, **Kretschmar O**, Luscher TF, **Matyas G**. *Medical treatment of aortic aneurysms in Marfan syndrome and other heritable conditions*. *Curr Cardiol Rev* 10:161-171, 2014.

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**Bölsterli Heinzle BK**, **Fattinger S**, **Kurth S**, Lebourgeois MK, **Ringli M**, Bast T, **Critelli H**, **Schmitt B**, **Huber R**. *Spike wave location and density disturb sleep slow waves in patients with CSWS (continuous spike waves during sleep)*. *Epilepsia* 55:584-591, 2014.

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**Dave H, Rosser B, Knirsch W, Hübler M, Prêtre R, Kretschmar O.** Hybrid approach for hypoplastic left heart syndrome and its variants: the fate of the pulmonary arteries. *Eur J Cardiothorac Surg* 46:14-19, 2014.

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**Azzi T.** *Role of natural killer cells in Epstein-Barr virus infection.* Leiter Prof. D. Nadal, Prof. C. Münz, Prof. C. Berger, Prof. A. Diefenbach, Prof. M. Manz, Prof. R. Speck. Diss Zürich, 2014.

**Balmer C.** *Mutations and polymorphisms in the human argininosuccinate lyase (ASL) gene.* Leiter Prof. J. Häberle. Diss Zürich, 2014.

**Bertholdt S.** *Cerebral lesions on magnetic resonance imaging correlate with preoperative neurological status in neonates undergoing cardiopulmonary bypass surgery.* Leiterin Frau Prof. B. Latal, Diss Zürich, 2014.

**Bollmann S.** *Multimodal imaging in attention-deficit/hyperactivity disorder (ADHD).* Leiter Frau PD R. O'Goorman, Prof. R. Huber, Prof. K. Prüssmann. Diss Zürich, 2014.

**Geiser-Reiss CM.** *Die Zürcher Praxisstudie 2010 Teil 1: Das Profil der Praxispädiater.* Leiter Prof. Dr. O. Jenni. Diss. Zürich, 2014.

**Greuter T.** *Feasibility and efficacy of the internet-enabled interactive computerized asthma patient education program «Luftikids»: a randomized controlled trial.* Leiter PD Dr. A. Möller. Diss Zürich, 2014.

**Haas F.** *The impact of toll-like receptor signaling on murine herpesvirus 68 infection in vitro and in vivo.* Leiter Prof. D. Nadal, Prof. M. Ackermann, Prof. H.P. Beck, Prof. C. Fraefel, Prof. U.F. Greber, Prof. R. Speck, Dr. M. Bernasconi. Diss Zürich, 2014.

**Hu L.** *The Molecular Basis and Pathology of Phenotypic Variability in Urea Cycle Disorders.* Leiter Prof. J. Häberle. Diss Zürich, 2014.

**Jantzen A.** *Cystische Fibrose und körperliche Aktivität: Gibt es Unterschied in der körperlichen Aktivität im Vergleich zu Gesunden? Was sind Risikofaktoren für eine verminderte körperliche Aktivität?* Leiter PD Dr. A. Möller. Diss. Zürich, 2014.

**Korner GF.** *Phenotypical and therapeutic studies in genetic mouse models for inherited neurotransmitter disorders.* Leiter Prof. B. Thöny, Prof. F. Verrey, Frau Prof. I.M. Mansuy. Diss Zürich, 2014.

**Kovacs Z.** *Blood-brain barrier opening for enhanced tumor chemotherapy using mr-guided low intensity focused ultrasound.* Leiter Prof. M. Schwab, Prof. E. Martin-Fiori, Prof. M. Grotzer, Prof. S. Gabor. Diss. Zürich, 2014.

**Krukowski P.**  *$\alpha 4$  integrin enhances susceptibility of B cells to Epstein-Barr virus infection.* Leiter Prof. D. Nadal, Prof. U. Grossniklaus, Prof. C. Münz, Prof. R. F. Speck, A. Trkola, Dr. M. Bernasconi. Diss Zürich, 2014.

**Laubscher D.** *Polo-like kinase 1 mediated*

*phosphorylation regulates PAX3/FOXO1 in alveolar rhabdomyosarcoma.* Leiter B.W. Schäfer, Prof. T. Hennet. Diss Zürich, 2014.

**Lurà MP.** *Comparison of treatment guidance based on bronchial responsiveness to mannitol, spirometry or exhaled nitric oxide in stable asthmatic children.* Leiter PD Dr. A. Möller. Diss. Zürich, 2014.

**Marcelino JC.** *Mir-96 expression and AGO2-bound gamma-globin mRNA in sickle cell disease.* Leiter Dr. O. Speer, PD Dr. M. Schmutz, Diss. Zürich, 2014.

**Moran Baumann CM.** *Die Zürcher Praxisstudie 2010: Teil 1: Das Profil der Kinderärztinnen.* Leiter Prof. O. Jenni, Diss Zürich, 2014.

**Olini N.** *Sleep homeostasis in juvenile rats and in a mouse model of depression.* Leiter Prof. R. Huber, Diss Zürich, 2014.

**Padden B.** *Does a EEG background pattern correlate with cerebral injury in neonates with hypoxic-ischemic encephalopathy?* Leiterin Frau Prof. B. Latal, Diss Zürich, 2014.

**Pugin F.** *Sleep electrophysiological changes in relation to cerebral oxygenation and after intensive working memory training in children and adolescents.* Leiter Prof. R. Huber, Diss Zürich, 2014.

**Rac J.** *Impact of telomerase activity and toll-like receptor 9 activation on Epstein-Barr virus infection in epithelial cells.* Leiter Prof. D. Nadal, Dr. M. Bernasconi, Prof. U.F. Greber, Prof. M.O. Hottiger, Prof. R.F. Speck, Dr. B. Wollsched. Diss Zürich, 2014.

**Rosser BA.** *Hybrid approach for hypoplastic left heart syndrome and its variants: the fate of the pulmonary arteries.* Leitung Prof. Dr.O. Kretschmar.

**Satheesha S.** *Identification, Characterization and Targeting of Cancer Initiating Cells in Pediatric Sarcomas.* Leiter Prof. B. Schäfer. Diss Zürich, 2014.

**Schaer CA.** *Prognostic value of nucleated red blood cells in critically ill children.* Leiter Prof. Dr. B. Frey. Diss Zürich, 2014.

**Scherrer MJ.** *Reference equations for ultrasound bone densitometry of the radius in Central European children and adolescents.* Leiter PD Dr. A. Möller, Diss. Zürich 2014. ZoZORA

**Testler N.** *Brain activity during sleep throughout development in health and disease and in the context of natural environmental influences.* Leiter Prof. R. Huber, Diss Zürich, 2014.

**von Allmen DY.** *Neurocognitive factors underpinning individual and developmental differences in visual short-term memory capacity.* Leiter PD Dr. P. Klaver, Prof. E. Martin, Dr. A. Maercker. Diss Zürich, 2014.

## PhD Arbeiten

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**Ponroy N.** *Statins inhibit cytomegalovirus replication by interfering with the isoprenoid arm of the mevalonate pathway.* Leiter D. Nadal (Vorsitz), R. Hahnloser, J. Pavlovic, N. Müller. Mathematisch-Naturwissenschaftliche Fakultät, 2014.

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## Habilitationen

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**Bergsträsser E.** *Wann sollte Palliative Care bei Kindern mit lebenslimitierenden Erkrankungen beginnen?* Habil Zürich, 2014.

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**Goetti R.** *Functional vascular imaging: applications in the assessment of ischemia infarction and tumor perfusion.* Habil Zürich, 2014.

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**Rohrbach M.** *Molecular and Clinical Delineation of Inherited Connective Tissue Disorders.* Habil Zürich, 2014.

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## Diplomarbeiten

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**Wieser I.** *The impact of psychopathology on lymphocytes in maltreated children – data from a pilot study.* Leiter Prof. Dr. F.H. Sennhauser, Dr. H. Bielas. Paracelsus Medizinische Privatuniversität, Salzburg, 2013.

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# Preise und Ehrungen 2014 an FZK-Forschende

**Ammann Corinne**, Rehabilitation Affoltern  
**Wissenschaftspreis** 2014 anlässlich der Tagung Reha Rheinfelden  
8. Januar 2015 (Übergabe) Rheinfelden für die Arbeit «Measurement properties of gait-related outcomes in youth with neuromuscular diagnoses: a systematic review»

**Aurich Schuler Tabea**, Rehabilitation Affoltern  
**2. Preis** für Konzepte/Projekte Anna-Müller-Grocholski Preis  
anlässlich der Jahrestagung der Vereinigung für Pädiatrische Rehabilitation, Affoltern am Albis, 19. November 2014 für die Arbeit «Praktische Empfehlungen für das roboter-assistierte Gangtraining mit dem Laufroboter Lokomat»

**Böttcher Sophie**, Chirurgie  
**Beste Präsentation** SwissPedNet Clinical Research Award 2014  
anlässlich Triple-Kongress Schweizer Gesellschaft für Kinderchirurgie, Schweizer Gesellschaft für Pädiatrie, Schweizer Gesellschaft für Kinderpsychiatrie, Basel, 12. Juni 2014 für die Arbeit «Pigmented dermo-epidermal skin substitutes in a long-term in vivo assay»

**Fontana Sonja**, Medizin  
**Beste Präsentation** anlässlich der Jahrestagung der Schweizerischen Gesellschaft für Neonatologie, Lausanne, 14. Januar 2014 für die Arbeit «An unexpected diagnosis in a cyanotic term born girl»

**Graser Judith und Marsico Petra**, Rehabilitation Affoltern  
**1. Preis** für Konzepte/Projekte Anna-Müller-Grocholski Preis  
anlässlich der Jahrestagung der Vereinigung für Pädiatrische Rehabilitation, Affoltern am Albis, 19. November 2014 für die Arbeit «Reach for the stars»

**Güngör Tayfun**, Stammzelltransplantation  
**Wissenschaftspreis** anlässlich des 8. jährlichen Symposium des Transplantations-zentrums USZ «50 Jahre Transplantation in Zürich», UniversitätsSpital Zürich, 21. November 2014 für die Arbeit «Reduced-intensity conditioning and HLA-matched haemopoietic stem-cell transplantation in patients with chronic granulomatous disease: a prospective multicenter study. Lancet 383, 9915, 436-448, Feb. 2014»

**Alice Köhli**, Allergologie  
**aha-Award** 2014 Allergiezentrum Schweiz  
Zusammen mit F. Züger, Schulärztlicher Dienst Zürich und A. Dünner vom Verein «Erdnussallergie und Anaphylaxie» für die Arbeit «Entwicklung und Aufbau von Anaphylaxie-Schulungen für Eltern und Workshops für Lehr- und Betreuungspersonen an Schulen, Kindergärten und in Krippen»

**Kucian Karin**, MR-Forschung  
**Worlddidac award** 2014 für die Arbeit «Rechentraining-Programm «Calcularis»»

**Labruyère Rob**, Rehabilitation Affoltern  
**1. Preis** für Forschungsarbeiten Anna-Müller-Grocholski Preis  
anlässlich der Jahrestagung der Vereinigung für Pädiatrische Rehabilitation, Affoltern am Albis, 19. November 2014 für die Arbeit «Gehirnaktivierung von Kindern in einem Rehabilitationsroboter»

**Latal Bea**, Entwicklungspädiatrie  
**Newburger-Bellinger Cardiac Neurodevelopmental Award** anlässlich Dardia Neurodevelopmental Symposium, Atlanta, 5. Juni 2014 für die Arbeit zur Entwicklung und Lebensqualität von Kindern mit komplexen Herzfehlern

**Link Bianca**, Stoffwechsel  
**Posterpreis** anlässlich der Jahrestagung der Arbeitsgemeinschaft pädiatrische Stoffwechselstörungen (APS), D-Fulda, 4. – 6. März 2014 für die Arbeit «Hematopoietic stem cell transplantation (HSCT) in different lysosomal storage disorders (LSD): A Swiss experience»

**Ruppen-Greeff Norma**, Urologie  
**Beste Präsentation** anlässlich des 25<sup>th</sup> Annual meeting of European Society of Paediatric Urology (ESPU), A-Innsbruck, 7.-10. Mai 2014 für die Arbeit «Penile Size and Correlation with Sexuality in Men with Corrected Hypospadias»

**Wilhelm Ines**, Entwicklungspädiatrie – Schlafzentrum  
**Posterpreis** anlässlich 1<sup>st</sup> Burghölzli Psychiatry Meeting 2014, Psychiatrische Universitätsklinik, Zürich, 22. Oktober 2014 für die Arbeit «Memory cueing during sleep benefits the transformation of these memories in children and adolescents»

**Wettstein Sarah**, Stoffwechsel  
**Best Oral Communication** anlässlich des Annual Multidisciplinary European Phenylketonuria Symposium, Zagreb, Croatia für die Arbeit «Linking phenotypes database with locus-specific database and genotype-phenotype correlation in phenylketonuria, Eur J Hum Genet 2014, 23(3):302-9»