

DBMR POSTER PRIZES: ABSTRACT LIST

Day of BioMedical Research 2022

Poster Exhibition: **Wednesday, 6. July 2022**
 Location: **Foyer Ettore Rossi, KR1 & KR2 (KKL)**
 - Poster mounting: 9:00 - 11:00
 - Poster presentation: PrCP Posters with even numbers & all MS Posters **11:30 - 13:00**
 PrCP Posters with odd numbers & all CP Posters **13:00 - 14:30**

PrCP: Preclinical Project
 CP : Clinical Project
 MS : Medical Project of a Medical student
Poster Format:
 A0 (118.9 x 84.1 cm), portrait format only

Cat.	Poster No.	Title	Last Name	First Name	Co-authors	Institute
Biochemistry						
PrCP	1	A revolutionary innovation in Cryo-EM for labelling insitu proteins	Wang	Chang	Mircea-Ioan-Iacovache, Benoit-Zuber	Institute of Anatomy
PrCP	2	Targeting androgen production by post translational regulation of CYP17A1	Sharma	Katyayani	Amit V. Pandey	Pediatric Endocrinology, Diabetology and Metabolism, University Children Hospital
CP	3	A founder mutation in P450 reductase from Argentina causes virilization in 46,XY patients.	Rojas Velazquez	Maria Natalia	Jimena Lopez Dacal, Nora Sanguinetti, Katyayani Sharma, Roxana Marino, Natalia Perez Garrido, Elisa Vaian, Gabriela Guercio, Paula Scaglia, Maria Esnaola Azoiti, Agustin Izquierdo, Gabriela Sansó, Marcela Balaz, María Gabriela Ropelato, Alicia Belgorosky, Ignacio Bergadá, Rodolfo Rey, Romina Grinspon, Amit V. Pandey	Department of Pediatrics, University Hospital Bern, Bern, Switzerland; Department of Biomedical Research,
Carcinogenesis, Oncology						
PrCP	4	Elucidating the metastatic fate of prostate cancer through in vitro metastatic niche modelling.	Ferguson	Alison	Ferguson AM, Rodriguez A, Thienger P, Jaquet M, Mena J, Gallon J, Akhoundova D, Lorenzo Martin LF, Snijder B, Lutolf M, Piscuoglio S & Rubin M	Department for Biomedical Research
CP	5	Lymph Node Yield and Ratio in Selective and Modified Radical Neck Dissection in Head and Neck Cancer-Impact on Oncological Outcome	Frech	Lukas	Sean C. Sheppard	Department of Otorhinolaryngology-Head and Neck Surgery, Inselspital
PrCP	6	Longitudinal analysis of recurrent Glioblastomas with long-term relapse emphasizes concerted contribution to TGFβ pathway enrichment at multi-OMICs level	Kashani	Eiham	Schnidrig, Désirée, Hashemi Gheini, Ali, Zens, Philipp, Maragkou, Theoni, Baumgartner, Ulrich, SOCIIP consortium, Berezowska, Sabina, K. Y. Ng, Charlotte, Vassella, Erik	Institute of Pathology, University of Bern
PrCP	7	Investigate the role of LDHB-mediated lactate utilization in lung cancer metastasis	Huixiang	Ge	Huixiang Ge; Haibin Deng; Ren-Wang Peng; Patrick Dorn; Thomas Michael Marti	Department for Biomedical Research
PrCP	8	ULK1 inhibition induces acute NF-κB- ER stress and sensitises GCB-DLBCL to Ibrutinib	Mandhair	Harpreet	Ramin Radpour, Mario P. Tschan and Urban Novak	Medical Oncology, DBMR, University of Bern
PrCP	9	MEK activation drives oncogenic dependence and interacts with PARP1-mediated stress signaling in malignant pleural mesothelioma	Gao	Yanyun	Yang Haitang, Xu Duo, Liang Shun-Qing, Yang Zhang, Scherz Amina, Hall Sean, Forster Stefan, Berezowska Sabina, Yao Feng, Ochsenbein Adrian, Marti Michael Thomas, Gregor Jan Kocher, Schmid Alexander Schmid, Peng Ren-Wang,	Oncology-Thoracic Malignancies, Division of general Thoracic Surgery, Inselspital
PrCP	10	CD70+ subclones as drivers of disease progression in multiple myeloma	Forster	Stefan	Chantal Bachmann, Adrian Ochsenbein	Department for Biomedical Research
PrCP	11	Microvasculature-on-chip as promising tool to study the extravasation potential of two different A549 subpopulations in vitro	Rechberger	Karin	Sohella Zeinali, Christelle Dubey, Thomas M. Marti, Olivier T. Guena	Organs-on-chip Technologies Laboratory, ARTORG Center
PrCP	12	HPV and p53 Status Determine Irradiation-related Responses to a Selective DNA-PK Inhibitor in Head and Neck Squamous Cell Carcinoma Models	Hayrapetyan	Liana	Selina M. Roth, Daniel M. Aebersold, Yitzhak Zimmer & Michaela Medová	Department of Radiation Oncology, Inselspital, Bern University Hospital/Department for BioMedical Research, Radiation Oncology
PrCP	13	Resampling methods as a means to improve low replicability of differential expression results from RNA-Seq data	Degen	Peter	Matuš Medo	Department for BioMedical Research, University of Bern Department of Physics
Cardiovascular						
PrCP	14	Venous and arterial endothelial cells show a differential glycocalyx response upon challenge with inflammatory stimuli	Milusev	Anastasia	Alain Despont, Robert Rieben, Nicoletta Sorvillo	Department for Biomedical research (DBMR), University of Bern, Switzerland Graduate School for Cellular and Biomedical Sciences (GCB)
PrCP	15	The Meiotic Epigenetic Inheritance Of A Cardiac Injury	Coppe	Benedetta	Sanz-Morejón Andrés, Galardi Castilla María, Rogozsan Botos Marius, Arora Prateek, Ernst Alexander Uwe, Skvortsova Ksenia, Garrido Fernández Carlos, De la Fuente Javier Lucas, Bogdanovic Ozren, Flores Hernández Ignacio, Mercader Huber Nadia	Institute of Anatomy
PrCP	16	Unravelling the role of vascular ChemR23 expression in atherosclerosis	Evans	Bryce	Bryce Evans, Emiel van der Vorst, Yvonne Jansen, Manovriti Thakur, Nico Angliker, Mark Siegrist, Christian Weber, Iris Baumgartner & Marc Schindewolf and Yvonne Döring	Division of Angiology, Swiss Cardiovascular Center, Inselspital
PrCP	17	Assessing the effects of SARS-CoV-2 on human endothelial cells in an in-vitro 3D model	Chiffi	Gabriele	Melle Holwerda Nicoletta Sorvillo Yvonne Döring, Robert Rieben	Department for BioMedical Research (DBMR) Division of Angiology, Swiss Cardiovascular Center,
PrCP	18	Exploring neutrophil extracellular traps (NETs)-driven arterial thrombosis in lower extremity artery disease	Thakur	Manovriti	Thakur Manovriti, Angliker Nico, Siegrist Mark, Kuijpers Marijke J.E., Sorvillo Nicoletta, Schindewolf Marc, Baumgartner Iris, Döring	Division of Angiology, Swiss Cardiovascular Center, Inselspital Yvonne
PrCP	19	Nitric oxide synthase activity required for beneficial effects of cardiac hypothermic oxygenated perfusion in a rat model of donation after circulatory death	Egle	Manuel	Natalia Mendez-Carmona, Adrian Segiser, Selianne Graf, Mathias Siepe, Sarah Longnus	Department of Cardiac Surgery, Inselspital
PrCP	20	Investigating the roles of mitochondrial DNA and TLR9 in a preclinical model of heart donation after circulatory death	Sanz Garcia	Maria Nieves	Segiser Adrian, Siepe Matthias, Longnus Sarah Louise	Department of Cardiac Surgery, Inselspital Department for BioMedical Research (DBMR)
PrCP	21	Macrophage-derived extracellular vesicles have functional and metabolic effects on cardiac grafts in a preclinical model of donation after circulatory death (DCD)	Graf	Selianne	V. Biemmi, M. Arnold, A. Segiser, A. Müller, M. Egle, M.N. Sanz, N. Méndez-Carmona, M. Siepe, L. Barile, S. Longnus	Department of Cardiac Surgery, Inselspital, Department for BioMedical Research
PrCP	22	Prolonged Limb Ischemia Reperfusion Injury Induces Neutrophil Extracellular Traps Formation Leading to an Increase of Plasma Citrullinated-Fibrinogen	Zollet	Valentina	Isabel Arenas, Stefanie Hirsiger, Bilal Ben Brahim, Mariafrancesca Petrucci, Josio Mikulic, Daniela Casoni, Junhua Wang, Olgica Beslac, Kay Nettelbeck, Luisana Garcia, Lena Fuest, Esther Vögelin, Mihai Constantinescu, Robert Rieben, Nicoletta Sorvillo	Department for BioMedical Research, University of Bern Department of Plastic and Hand Surgery
PrCP	23	Examine the role of ACKR3 expression on B cells in Atherosclerosis	Anais	Yerly	Yvonne Jansen, Maria Berenice Martinez Salazar, Bryce Evans, Manovriti Thakur, Nico Angliker, Mark Siegrist, Christian Weber, Iris Baumgartner, Marc Schindewolf and Yvonne Döring	Division of Angiology, Swiss Cardiovascular Center, Inselspital, Bern University Department for BioMedical Research
CP	24	Cost-effectiveness analysis of alternative anticoagulation in suspected heparin-induced thrombocytopenia	Tuleja	Aleksandra	Dante Salvador Jr, Taulant Muka, Sarah Bernhard, Armando Lenz, Iris Baumgartner, Marc Schindewolf	Department of Angiology, Inselspital
MS	25	Influence of Macronutrients on Heart Regeneration in Zebrafish	Kirschke	Nick	Alexander Uwe Ernst, Benedetta Coppe, Nadia Mercader Institute of Anatomy, University of Bern, Bern, Switzerland	Institute of Anatomy
Cell Biology						
PrCP	27	Paradoxical somato-dendritic decoupling supports cortical plasticity during REM sleep	Aime	Mattia	Niccolo' Calcini, Micaela Borsa, Tiago Campelo, Thomas Rusterholz, Andrea Sattin, Tommaso Fellin, Antoine Adamantidis	Zentrum für Experimentelle Neurologie (ZEN), Department of BioMedical Research
PrCP	28	Chemogenetic interactions to elucidate mechanisms of therapy response. HTT and BAP1 mediate taxane response in BRCA1-deficient mammary tumors	González Fernández	Martín	Francica Paola, Mutlu Merve, Gerhards Nora, Rottenberg Sven	Institute of Animal Pathology
PrCP	29	Targeting lactate dehydrogenase B-dependent mitochondrial metabolism affects tumor initiating cells and inhibits tumorigenesis of non-small cell lung cancer	Haibin	Deng	Yanyun Gao, Verdiana Trappetti, Damian Hertig, Darya Karatkevich, Tereza Losmanova, christian Urzi, Huixiang Ge, Gerrit Adriaan Geest, Remy Bruggmann, Valentin Djonov, Jean-Marc Nuoffer, Peter Vermathen, Nicola Zamboni, Carsten Riether, Adrian Ochsenbein, Ren-Wang Peng, Gregor Jan Kocher, Ralph Alexander Schmid, Patrick Dorn, Thomas Michael Marti	Thoracic Surgery Laboratory, Oncology-Thoracic Malignancies Program, Department for BioMedical Research
PrCP	30	Schedule-dependent treatment increases chemotherapy efficacy in malignant pleural mesothelioma	Karatkevich	Darya	Haibin Deng, Yanyun Gao, Ren-Wang Peng, Gregor Kocher, Ralph A. Schmid, Patrick Dorn	Department of Thoracic Surgery
PrCP	31	Understanding the mechanism of PI5P4Kα in models of prostate cancer	Küng	Lukas	Joanna Triscott, Brooke E. Emerling, Mark A. Rubin	Cancer Therapy Resistance, Department of BioMedical Research
PrCP	32	Towards targeting prostate cancer metabolism with AdipoRon	Mosele	Francielle Caroline	Joanna Triscott, Ana Luiza Romano Gabriel, Nilton José dos Santos, Sérgio Luis Felisbino, Mark A. Rubin	Department of BioMedical Research
PrCP	33	DNA damage response and synthetic lethal targets in CHK2-deficient cancers	Muñoz Maldonado	Carmen	Quintin Aurélie, Medo Matuš, Aebersold Daniel M., Zimmer Yitzhak, Medová Michaela	Department of Radiation Oncology
PrCP	34	Inositol phosphatase SHIP1 regulates osteoclast development and Activity	Safari	Fatemeh	Fatemeh Safari, Jeremy Yeoh, Mark Siegrist, Silvia Dolder, Franziska Strunz, Willy Hofstetter, Philippe Krebs	Bone & Joint, Department of BioMedical Research
PrCP	35	Cellular stretch investigated on a novel, alveoli-array-on-chip	Schulte	Jan	Weber Tobias, Zamprogno Pauline, Dorn Patrick, Marti Thomas, Guenat Olivier	ARTORG Center for Biomedical Engineering Research/Organs-on-chip Technologies Group

Endocrinology / Metabolism						
PrCP	36	Steroid signatures of cycle phases in peritoneal fluid and serum in women	Du Toit	Therina	Andrieu Thomas, Vogt Bruno, Mueller Michael, Groessl Michael	Department of BioMedical Research
PrCP	37	Using induced pluripotent stem cell (iPSC) technology to understand the ultra-rare metabolic disease malate dehydrogenase 2 (MDH2) deficiency Koller (MDH2D) and its potential treatment with triheptanoin	Koller	Sophie	Ramosaj Adhuresa, Sauter Kay, Nuoffer Jean-Marc, Laemmle Alexander	Pharmacy, Medical Faculty
CP	38	The international SF1 next project: Cohort description of 107 individuals with SF-1/NRSA1 variants	Kouri	Chrysanthi	Grit Sommer, Idoia Martinez de Lapiscina, Lloyd Tack, martine Cools, Christa E. Flück	Pediatric Endocrinology, Diabetology and Metabolism, Department of Pediatrics, Inselspital
CP	39	Time-resolved elucidation of glucose metabolism in human liver with interleaved 2H-MRSI and 13C-MRS at 7 tesla	Poli	Simone	Ahmed Fahiem Emara, Edona Ballabani, Angeline Buser, David Herzog, Luc Tappy, Lia Bally, Roland Kreis	MR Methodology, Institute of Diagnostic & Interventional Neuroradiology
PrCP	40	Understanding MCT8 Deficiency by Application of Induced Pluripotent Stem Cell technology	Ramosaj	Adhuresa	Koller Sophie, Laemmle Alexander	Molecular Life Sciences, Faculty of Science, University of Bern
Epidemiology / Preventive Medicine						
PrCP	41	Analysis of regional differences of airspace diameters in rat lungs	Ganesh	Sai Krishnan	Elena Borisova, Johannes C. Schittny	Institute of Anatomy
CP	42	Assessing the conversion of electronic patient records data into antibiotic stewardship quality indicators	Renggli	Luzia	Plüss-Suard Catherine, Gasser Michael, Sonderegger Beat, Kronenberg Andreas	Swiss Centre for Antibiotic Resistance (ANRESIS), Institute for Infectious Diseases
PrCP	43	Automated online prediction of slow wave, peaks in young and old individuals: Why we should not always rely on amplitude thresholds	Zeller	Céline	Marina Wunderlin, Thomas Koenig, Christoph Nissen, Marc Alain Züst	Universitätsklinik für Alterspsychiatrie und Psychotherapie, UPD Bern
Experimental Surgery						
PrCP	44	Mechanical Modeling Of Localized Cross-Linking Pattern In Human and Porcine Corneas	Frigelli	Matteo	Philippe Büchler, Sabine Kling	ARTORG Center for Biomedical Engineering Research
PrCP	45	Mixed metal oxide nanoparticles for the treatment of seroma: a long-term study in rats	Pais	Michael-Alexander	Athanasios Papanikolaou, Isabel Arena Hoyos, martin T. Matter, Inge K. Hermann, Robert Rieben, Mihai A. Constantinescu, Ioana Lese	Department of Plastic, Reconstructive and Hand Surgery, Inselspital, Department of BioMedical Research
Genetics						
PrCP	46	Comparison of Methods for Donor-Derived Cell-Free DNA Quantification in Plasma and Urine from Solid Organ Transplant Recipients	Küng	Nicholas	Arcioni Séverine, Sandberg Fanny, Kuhn Christian, Banz Vanessa, Largiadèr Carlo R., Sidler Daniel, Amstutz Ursula	University Institute of Clinical Chemistry
PrCP	47	Genotype-phenotype correlations and pathomechanisms in RHOBTB2 associated developmental and epileptic encephalopathy	Langhammer	Franziska	Allan Bayat, Anne Gregor, Arif B. Ekici, Gia Melikishvili, Somayeh Bakhtiari, Theresia Herget, Maja Hempel, Fanny Kortüm, Bruria Ben-Zeev, Subhadra Ramanathan, Robin Dawn Clark, Boris Keren, Caroline Nava, Christiane Zweier	Department of Human Genetics, Inselspital
MS	48	LHX2 loss of function causes neurodevelopmental deficits in humans and flies	Schmid	Cosina Meret	Snne Gregor, Gregory Costain, Luran Massingham, Jennifer Schwab, Chloé Quélin, Marie Faucher, Julie Kaplan, Rebecca Procopio, Carol Saunders, Gabrielle Lemire, Ranit Jaron Segal, Jessica Kianmahd, Daniela Schweitzer, Darius Ebrahimi-Fakhari, André Reis, Wendy K. Chung, Christiane Zweier	Department of Human Genetics, Inselspital
PrCP	49	Inflammatory cytokines contribute to the regulation of nociceptin and the nociceptin receptor	Zhang	Lan	Stüber Frank, Huang Ying-Yu Melody, Stamer Ulrike M	Department of Anaesthesiology and Pain Medicine, Inselspital
Hematology						
PrCP	50	Machine Learning Augmented Red Blood Cell Imaging and Analytics	Bergaglio	Talia	Dommann Alex, Nirmalraj Peter	Transport at Nanoscale Interfaces Laboratory (Empa); Cellular and Biomedical Sciences
PrCP	51	Complement Lectin Pathway Components MBL and MASP-1 Promote Haemostasis Upon Vessel Injury in a Microvascular Bleeding Model	Golomngi	Murielle	Kohler Jessie, Jenny Lorenz, Hardy Elaissa T., Dobó József, Gál Peter, Pál Gábor, Kiss Bence, Lam Wilbur A., Schroeder Verena Calzavarini Sara, Reina Caro Maria Desiré, Renné Thomas, Prince Eladnani Raja, Angellilo-Scherrer Anne	Department for BioMedical Research
PrCP	52	Targeting F12 gene in protein S deficient mice to restore the hemostatic balance	Tripodo	Mariantonietta	Anne-Christine Uldry, Natasha Buchs, Sophie Braga-Lagache, Nicolas Bonadies, Manfred Heller	Department of Hematology & Central Hematology Laboratory, Inselspital
	53	Effect of Sample Transportation on the Proteome of Human Circulating Blood Extracellular Vesicles	Heller	Manfred	Anne-Christine Uldry, Natasha Buchs, Sophie Braga-Lagache, Nicolas Bonadies, Manfred Heller	PMSCF
Hepatology						
CP	54	Clinical and genetic factors associated with regression of fibrosis in ACLD after etiological therapy	Mendoza James	Yuly Paulin	Mendoza Yuly P., Masoodi Mojgan, Tsouka Sofia, Bosch Jaime, Berzigotti Annalisa	Department of Visceral Surgery and Medicine, Hepatology, Inselspital, Department of BioMedical Research
Immunology						
MS	55	Gastrointestinal Organoids to study direct microbiota-host interactions	Christensen	Sandro	Kalbermatter Cristina, Fernandez Trigo Nerea, Ganal-Vonarburg Stephanie	Department for BioMedical Research (DBMR), Department of Visceral Surgery and Medicine, Inselspital
PrCP	56	Neutrophil extracellular traps are found in rejected Vascularized Composite Allografts and are inhibited by tacrolimus	Arenas Hoyos	Isabel	Yerly Anais, Helmer, Anja Sophie, Zhang, Lei, Lese, Ioana, Hirsiger, Stefanie, Casoni, Daniela, Garcia, Luisana, Nettelbeck, Kay, Beslac, Olgica, Hammer, Sabine E., Banz, Yara, Constantinescu, Mihai, Vögelin, Esther, Prosi, Jean-Christophe, Taddeo, Adriano, Rieben, Robert, Olariu, Radu, Sorvilio, Nicoletta	Department for BioMedical Research, Department of Plastic and Hand Surgery
PrCP	57	Immune-Checkpoints in the Regulation of Leukemia and Cancer Stem Cells	Bachmann	Chantal	Stefan Forster, Adrian F. Ochsenbein	Department of BioMedical Research
PrCP	58	The Role of Acetylcholine in the Regulation of Acute Myeloid Leukemia Stem cells	Buri	Michelle	Bachmann Chantal Lea, Ma Xiaochi, Riether Carsten	Department of BioMedical Research
PrCP	59	The Impact Of Intestinal Colonization On T Lymphocytes In Breast Milk	Fernandez Trigo	Nerea	Kalbermatter Cristina, Christensen Sandro, Ganal-Vonarburg Stephanie Christine	Department of BioMedical Research
PrCP	60	Regulatory effects of miRNAs on HLA-DR surface expression in human monocytic THP-1 cells	Folini	Anja	Lüdi Markus, Zhang Lan, Stüber Frank, Huang Melody Ying-Yu	Universitätsklinik für Anästhesiologie und Schmerztherapie; Department for BioMedical Research
PrCP	61	Suppression of IgE production in primary human B-cells using a novel anti-IgE molecule	Guntern	Pascal	Luke Pennington, Sara Nyffeler, Theodore Jardetzky, Alexander Eggel	Rheumatology and Immunology, Inselspital, Department of BioMedical Research
PrCP	62	Associations between the ocular surface microbiome and the mucosal immune system in mice	Herzog	Elio	Martin S. Zinkernagel, Sebastian Wolf, Denise C. Zysset-Burri	Ophthalmology, Inselspital
PrCP	63	MET-targeting CAR T cells enhance tumor cell killing and cytokines production in glioma models when combined with radiation therapy	Hovhannisyann	Lusine	Aebersold Daniel, Maher John, Adrian Ochsenbein, Riether Carsten, Medová Michaela, Zimmer Yitzhak	Radiation Oncology, Inselspital
PrCP	64	The maternal microbiota during pregnancy modifies the neonatal epigenome to reinforce intestinal barrier integrity	Kalbermatter	Cristina	Fernandez Trigo Nerea, Christensen Sandro, Li Hai, Mookhoek Aart, Gomez de Agüero Mercedes, Macpherson Andrew James, Ganal-Vonarburg Stephanie Christine	Department of Visceral Surgery and Medicine, Inselspital; Department of BioMedical Research
PrCP	65	Effector functions of human Th9 cells depend on PPARγ-regulated glucose metabolism	Luther	Fabian	Steck Oliver, Bertschi Nicole Leonie, Bazzini Cecilia, Keller Irene, Nuoffer Jean Marc, Simon Dagmar, Schlapbach Christoph	Institute of Dermatology, Inselspital
PrCP	66	Intra- and Inter-Individuality of the Ocular Surface Microbiome in Humans	Morandi	Sophia	Elio L. Herzog, Prof. Dr. Dr. med Martin Zinkernagel, Dr. phil. Denise C. Zysset-Burri	Department of Ophthalmology, Inselspital
PrCP	67	CD4+ T cell-derived IL21 regulates stem cell fate in acute myeloid leukemia	Rubino	Viviana	Michelle Hüppi, Luigi Tortola, Sabine Höpner, Irene Keller, Ramin Radpour, Ulrike Bacher, Manfred Kopf, Adrian F. Ochsenbein, Carsten Riether	Lab of Tumor Immunology, Department of BioMedical Research
PrCP	68	Irradiated Apoptotic Peripheral Blood Mononuclear Secretome (APOSEC) attenuates complement activation and decreases acute vascular rejection in an in vitro xenotransplantation model	Salimi Afjani	Neda	Nicoletta Sorvilio, Hedrik Jan Ankersmit, Robert Rieben	Department of BioMedical Research
PrCP	69	The Role of CD4+ T Cells in the Regulation of Acute Myeloid Leukemia and Leukemic Stem Cells	Schnüriger	Noah	Walid H. Gharib, Irene Keller, Remy Bruggmann, Adrian F. Ochsenbein, Carsten Riether	Department of BioMedical Research

Infectious Disease						
CP	70	Designing impactful treatments against emerging SARS-CoV-2 variants	Kern	Charlotte	Verena Schöning, Carlos Chacour, Felix Hammann	Universitätsklinik für Allgemeine Innere Medizin - Klinische Pharmakologie & Toxikologie
PrCP	71	Investigating the innate immune response of bat respiratory epithelium during influenza virus infection	Gultom	Mitra	Probst Lukas, Laloi Laura, Wider Manon, Moreira-Soto Andres, Corrales-Aguilar Eugenia, Dijkman Ronald	Institute for Infectious Diseases (IFIK)
Inflammatory Disease						
PrCP	72	Compositional features of the gut microbiome in patients with uveitis	Zysset-Burri	Denise C.	Herzog Elio L., Morandi Sophia, Mukn Marion, Wolf Sebastian, Zinkernagel Martin S.	Department of Ophthalmology
PrCP	73	Investigation of vitamin D signaling via the glucocorticosteroid receptor	Bagnoud	Maud	Jana Remlinger, Ivo Meli, Myriam Briner, Andrew Chan, Anke Salmen, Robert Hoepner	Department of Neurology
PrCP	74	Barrier in Neuroinflammation	Kasap	Pelin	McCloskey Molly, McGrath James, Engelhardt Britta	Theodor Kocher Institute
Musculoskeletal						
PrCP	75	Annulus fibrosus repair using methacrylated gellan gum in combination with novel silk in a dynamically loaded bovine organ culture model	Croft	Andreas	Slavko Čorlika, Michael Wölje, Joana Silva-Correia, Joaquim Miguel Oliveira, Katherine Briana Crump, Rui Luis Reis, Benjamin Gantenbein	Department for BioMedical Research
PrCP	76	Repair of a critical size defect in estrogen-deficient mice treated with bisphosphonates	Strunz	Franziska Silvia	Siegrist Mark, Bohner Marc, Saulacic Nikola, Hofstetter Willy,	Department for BioMedical Research
PrCP	77	In vitro induction of catabolic response to intervertebral disc cells in 3D culture	Bermudez Lekerika Paola		Andreas Shaun Croft, Katherine Briana Crump, Karin Wuertz-Kozak, Christine Lyn Le Maltra, Benjamin Gantenbein	Department for BioMedical Research
Nephrology						
PrCP	78	The orphan intracellular Na ⁺ /H ⁺ exchanger NHA2 regulates Golgi pH, cellular autophagy and the late endosomal bypass pathway	Ho	Manh Tin	Giuseppe Albano, Daniel Fuster	Department for BioMedical Research
PrCP	79	Thiazides induce glucose intolerance through inhibition of mitochondrial carbonic anhydrase 5b in β-cells	Kucharczyk	Patrycja	Giuseppe Albano, Christine Deisl, Stephan Wueest, Daniel Konrad, Daniel G. Fuster	Department of Nephrology and Hypertension
CP	80	The role of urinary supersaturations for lithogenic salts in the pathogenesis of Autosomal Dominant Polycystic Kidney Disease	Bargagli	Matteo	Daniel G. Fuster	Department of Nephrology and Hypertension
CP	81	Tolvaptan treatment is associated with increased bone mineral density in ADPKD patients	Bargagli	Matteo	Daniel G. Fuster	Department of Nephrology and Hypertension
MS	82	Relevance of deceased donor proteinuria for kidney transplantation: A comprehensive national cohort study	Born	Alexander	Christain Kuhn, Andrea Karolin, Brian Lang, Isabelle Binet, Délaviz Goshayan, Fadi Haidar, Thomas F Müller, Stefan Schaub, Franz Immer, Michael Koller, Daniel Sidler	Universitätsklinik für Nephrologie und Hypertonie
Neuroscience, Neurology						
CP	83	Spectral somatopy of the human subthalamic nucleus in Parkinson's disease	Avena	Alberto	Alberto Avena, Ines Debove, Andreas Nowacki, Katrin Peterman, Elena Bernasconi, Mário Sousa, Laura Alva, M. Lenard Lachenmayer, Michael Schuepbach, Claudio Pollo, Paul Krac, T. A. Khoa Nguyen, Gerd Tinkhauser	Neurology
PrCP	84	Cellular and molecular mechanisms of retinal degeneration in the Nr2e3rd7/rd7 mouse model of enhanced S-cone sensitivity syndrome	Steiner	Beatrice	Guióoa Venturini, Despina Kokona, Beatrice L. Steiner, Emanuele G. Bulla, Joel Jovanovic, Martin S. Zinkergel and Pascal Escher	Department of Ophthalmology
PrCP	85	Enhancing Touch Sensibility after Sensory Retraining of Virtual Textures	Villar Ortega	Eduardo	E. Anil Aksöz, Karin A. Buetler, René Muri and Laura Marchal-Crespo	ARTORG Center for BioMedical Engineering Research
PrCP	86	Modulation of brain circuits by auditory stimulations during sleep states	Boccalaro	Ida Luisa	Florence Aellen, Thomas Rusterholz, Ivan Bozic, Athina Tzovara, Antoine R. Adamantidis	Insel
PrCP	87	Human organotypic retina cultures to study pathophysiology of neuromyelitis optica spectrum disorder	Remlinger	Jana	Maud Bagnoud, Jeffrey L Bennett, Andrew Chan, Robert Hoepner, Volker Enzmann, Anke Salmen	Department of Neurology
PrCP	88	Anticipatory coding of anxiety in the ventral hippocampus	Koukoutselos	Konstantinos	Ciocchi Stéphane	Institute of Physiology
PrCP	89	Characterization of Astrocyte and Müller Cell Response in an Experimental Mouse Retina Laser Model	Jahnke	Laura	Souska Zandi, Ahmed Elhelbawi, Nadia Mercader Huber, Volker Enzmann	Department of Ophthalmology
PrCP	90	Mice lacking a novel phosphosite S1014 on the MET receptor tyrosine kinase display ASD-associated behavioral pattern	Hayrapetyan	Liana	Aurélié Quintin, Daniel M. Aebersold, Matúš Medo, Antoine Adamantidis, Yitzhak Zimmer & Michaela Medová	Department of Radiation Oncology
PrCP	91	Responsiveness to auditory stimulation during slow wave sleep predicts long-lasting increases in memory performance in older adults	Wunderlin	Marina	Céline Zeller, Samira Rafaela Senti, Kristoffer Daniel Fehér, Charlotte E. Teunissen, Christoph Nissen, Stefan Klöppel, Marc Alain Züst	University of Old Age psychiatry and psychotherapy
PrCP	92	Retrosplenial Cortex Activity: a Hub in a Paradoxical Sleep Network?	Borsa	Micaela	Mattia Aime, Niccolò Calcini, Thomas Rusterholz, Antoine Adamantidis	Zentrum für Experimentelle Neurologie, Department of Neurology
PrCP	93	System Overview of a Novel End-effector Robot for Rehabilitation of Sensorimotor Functions after Stroke	Rätz	Raphael	Müri René, Marchal-Crespo Laura	Motor Learning & Neurorehabilitation Laboratory, ARTORG Center for Biomedical Engineering Research
PrCP	94	Machinery in C9ORF72 linked-ALS	Diab	Rim	Niran Maharjan, Bhuvaneish T Selvaraj and smita Sexena	Department for BioMedical Research
PrCP	95	Identification of intrinsically photosensitive retinal ganglion cells regulating alertness	Arabi Zanjani	Talayeh	Antoine Adamantidis, Sonja Kleinlogel, Ludovic S.Mure	Institute of Physiology
PrCP	96	A molecular insight in the neuro-regenerative potential of small extracellular vesicles (sEV) from Wharton's jelly mesenchymal stromal cells	Tscherrig	Vera	Sophie Cottagnoud, Valérie Haesler, Patricia Renz, Daniel Surbek, Andreina Schoeberlein, Marianne Jörgen-Messerli	Department of Obstetrics and Feto-maternal Medicine
CP	97	High Dose Steroids in Children with Stroke and Unilateral Focal Arteriopathy. A Multicentre Randomized Controlled Trial. PASTA (Paediatric Arteriopathy Steroid Aspirin) trial	Münger	Robin	Daniel Brechbühl, Leonie Steiner, Sandra Bigli, Eike I. Piechowiak, Pia Massatsch, Mattia Branca, Joel Fluss, Alexandre N. Datta, Andrew A. Mallick, Heather J. Fullerton, MAS, Mark T. Mackay, Finbar O Callaghan, Lucia Gerstl, Stéphane Chabrier, Manóelle Kossorotoff, Maja Steinlin	Division of Neuropaediatrics, Development and Rehabilitation, Children's University Hospital
Pharmacology						
PrCP	98	Glucocorticoids on eosinophils; a bless or a curse?	Verschoor	Danielle	Graeter Stefanie, Mürer Lukas, von Gunten Stephan	Institute of Pharmacology
PrCP	99	Identifying meaningful anesthetic and sedative drug-specific neurotoxicity endpoints in a preclinical in vivo model	Streit	Lara	Lena Matthijs, Markus Lüdi, Ngoc Dung Le, Dennis Grandgirard, Frank Stüber, Melody Ying-Yu Huang	DBMR/ Universitätsklinik für Anästhesiologie und Schmerztherapie
PrCP	100	Using the zebrafish model to study ketamine-induced neurotoxic effects in the developing and aging brain	Portmann	Robin	Lüdi Markus, Stüber Frank, Huang Ying-Yu Melody	DBMR/Universitätsklinik für Anästhesiologie und Schmerztherapie
Pneumology						
PrCP	101	Advanced lung inhalation-on-chip: A complex co-culture cellular platform to predict toxicity of aerosolized irritants	Sengupta	Arunima	Widad Hasan, Nuria Roldan, Janick Stucki, Patrick Weindl, Tobias Krebs, Oliver Wisser, Nina Hobi and Olivier. T. Guenat	ARTORG Center
PrCP	102	Induced Pluripotent Stem Cell Derived Alveolar Lung Organoids	Ozan	Vedat Burak	Anna-Barbara Tschirren, Amiq Gazdhar, Thomas Geiser	Department for BioMedical Research
MD	103	Basel stem cells produce profibrotic Matrix Metalloproteinase 24 in human and rodent fibrotic lungs	Pfister	Eliane	Kleanthis Fytianos, Petra Khan, Kathrin Hofstetter, Maximilian Busch, Florian Betty, Sophia Pantasis, Sofia Mykonati, Mattia R. Bordoli, Amiq Gazdha, Thomas Geiser	Department of Pulmonary Medicine, University Hospital Bern Department for Bio-Medical Research,
PrCP	104	Lung Development in a Murine Model of CF-like Lung Disease	Blaskovic	Sanja	Sanja Blaskovic, Pinelopi Anagnostopoulou, Dominik Schiltny, Elena Borsova, Sai Krishnan Ganesh, , Zhe Zhou-Suckow, Marcus A. Mall, Christian Matthias Schlepütz, Marco Stampanoni, Johannes Constantin Schiltny	insitute of Anatomy