

Poster Exhibition: Wednesday, 5. July 2023  
 Location: Foyer Ettore Rossi, KR1 & KR2 (KKL)  
 - Poster mounting: from 14h-18h, 4 July 2023, 7h30- 8h15, 5 July 2023  
 - Poster presentation: Poster with even numbers 8:30 - 10:00  
 Posters with odd numbers 10:00 - 11:30

PrCP: Preclinical Project  
 CP : Clinical Project  
 MP : Medical Project  
 SC : Stem Cell Prize

Poster Format:  
 A0 ( h 118.9 x w 84.1 cm), portrait format only

Cat.	Poster No.	Titel	Last Name	First Name	Research Field	Co-authors	Institute
PrCP	1	CD70/CD27 signaling promotes the expansion of clonal plasma cell subsets in multiple myeloma	Forster	Stefan	Carcinogenesis, Oncology	Chantal Bachmann, Maxime Boy, Ramin Radpour, Carsten Riether, Adrian Ochsenbein	Medical Oncology
CP	2	MV-GUI: A tool to generate accreditation ready report for method verification	Nagabushana	Priyanka	Biochemistry	Leichtle Alexander Benedikt, Nakas Christos, Rüttsche Cyrill	University Institute of Clinical Chemistry, Bern University Hospital
PrCP/SC	3	Uncovering Lung Cancer's Extravasation Potency with a Functional Microvasculature System	Zeinali	Soheila	Carcinogenesis, Oncology	Zeinali Soheila - Rechberger Karin - Dubey Christelle - Gashi Rrahim, Marti Thomas - Guenat Olivier	ARTORG Center
PrCP/SC	4	Targeting Metabolic Reprogramming to Overcome Acquired Resistance to KRAS-G12C Inhibitor Therapy	Zhong	Haiqing	Carcinogenesis, Oncology	Wenjuan Ning, Jingyi Zhang, Thomas M. Marti, Patrick Dorn, Ren-Wang Peng	Oncology Thoracic Malignancies, DBMR
None	5	Targeting Metabolic Reprogramming to Overcome Acquired Resistance to KRAS-G12C Inhibitor Therapy	Zhong	Haiqing	Carcinogenesis, Oncology	Ning Wenjuan, Zhang Jingyi, Marti Thomas M., Dorn Patrick, Peng Ren-Wang	Oncology Thoracic Malignancies, DBMR
PrCP/SC	6	Targeting DNA repair machinery to improve KRASG12C inhibitor therapy	Ning	Wenjuan	Carcinogenesis, Oncology	Haiqing Zhong, Jingyi Zhang, Ralph A. Schmid, Thomas M. Marti, Patrick Dorn, Ren-Wang Peng	Oncology Thoracic Malignancies, DBMR
PrCP	7	Systematic dissection of malignant pleural mesothelioma (MPM) by single-cell RNA-seq	Yanyun	Gao	Carcinogenesis, Oncology	Tuo Zhang, Duo Xu, Liang Zhao, Haitang Yang, Wenjuan Ning, Haiqing Zhong, Jingyi Zhang, Haibin Deng, Sabina Berezowska, Tereza Losmanová, Thomas M. Marti, Ralph A. Schmid, Patrick Dorn, Ren-Wang Peng	Oncology Thoracic Malignancies, DBMR
PrCP	8	Investigation of next-generation CAR T cells against rhabdomyosarcoma	Piccand	Caroline	Carcinogenesis, Oncology	Andrea Timpanaro, Jochen Rössler, Michele Bernasconi	Inselspital
PrCP	9	Functional CRISPRi screens of lncRNAs in 2D- and 3D-colorectal cancer models with KRAS and BRAF mutational profiles	Rubin	Philip	Carcinogenesis, Oncology	Mihaljevic Ante , Georgiou Spyridoula, Chouvardas Panagiotis , Esposito Roberta	Department for BioMedical Research
SC	10	Ribosome biogenesis and ferroptosis resistance defines cancer stem cells in mesothelioma	Zhang	Tou	Carcinogenesis, Oncology	Yanyun Gao , Liang Zhao, Thomas M. Marti, Patrick Dorn, Ren-Wang Peng	Urology Research, Department for Biomedical Research
PrCP/SC	11	Preoperative plasma metabolites can predict the risk of bone metastasis in prostate cancer	Subedi	Saurav	Carcinogenesis, Oncology	Federico La Manna, Katja Ovchinnikova, Eugenio Zoni, George N. Thalmann, Marianna Kruihof-de Julio	Urology Research, Department for Biomedical Research
None	12	PDX and organoids as novel translational models for personalized treatment in GIST	Subedi	Saurav	Carcinogenesis, Oncology	Federico La Manna, Michael Montemurro, Marianna Kruihof-de Julio	Urology Research, Department for Biomedical Research
MP	13	Detection of large-duct pattern pancreatic ductal adenocarcinoma by artificial intelligence-driven digital image analysis	Schlegel	Joël	Carcinogenesis, Oncology	Stefan Reinhard, Jessica Lisa Rohrbach, Therese Waldburger, Inti Zlobec, Aurel Perren, Martin Wartenberg	Institute of Tissue Medicine and Pathology
None	14	Stromal shaping by microRNA dysregulation in pancreatic ductal adenocarcinoma	Schlegel	Joël	Carcinogenesis, Oncology	Philipp Zens, Simon April-Monn, Jessica Lisa Rohrbach, José A. Galván, Stefan Reinhard, Inti Zlobec, Beat Gloor, Martin Wartenberg	Institute of Tissue Medicine and Pathology
None	15	Androgen receptor-negative prostate cancer is vulnerable to SWI/SNF-targeting degrader molecules	Thienger	Phillip	Carcinogenesis, Oncology	Philip D. Rubin , Andrej Benjak , Xiaosai Yao , Simone de Brot, Alina Naveed, Marco Bolis, Lia Mela , Himisha Beltran , Yu Chen , David Goodrich, Salvatore Piscuoglio , Robert Yauch , Mark A. Rubin	Department for BioMedical Research DBMR
None	16	A non-canonical function of LDHB promotes glutathione metabolism and protects against ferroptosis in KRAS-driven lung cancer	Zhao	Liang	Carcinogenesis, Oncology	Haibin Deng, Jingyi Zhang, Nicola Zamboni, Gerrit Adriaan Geest, Haitang Yang, Zhang Yang, Yanyun Gao Duo Xu, Haiqing Zhong, Remy Bruggmann, Qinghua Zhou, Ralph A. Schmid*, Thomas M. Marti, Patrick Dorn, Ren-Wang Peng	Oncology Thoracic Malignancies, DBMR
None	17	Landscape of cellular interactions in hepatocellular carcinoma associated with chronic HCV infection and fatty liver disease	Benjak	Andrej	Carcinogenesis, Oncology	Coto-Llerena Mairene, Ercan Caner, Hess Gabriel, Schnidrig Desiree, Cuttat Rachel, Naumann Ulrike, Schuierer Sven, Wald Annick, Roma Guglielmo, Soysal Savas, Terracciano Luigi, Piscuoglio Salvatore, Ng Charlotte	Department for BioMedical Research

None	18	Ferroptosis is a targetable vulnerability in KRASG12C inhibitor-refractory lung cancer	Zhang	Jingyi	Carcinogenesis, Oncology	Liang Zhao, Haiqing Zhong, Thomas M. Marti, Patrick Dorn, Ren-Wang Peng	Oncology Thoracic Malignancies, DBMR
None	19	TITLE: Loss of PI5P4Kα in epithelial basal cells impacts characteristics of prostate cancer development	Triscott	Johanna	Carcinogenesis, Oncology	Marika Lehner, Simone de Brot, Matthias Reist, Brooke M. Emerling, Andrej Benjak, Mark A. Rubin	Department for BioMedical Research
CP	20	Contrast-enhanced MRA with GRASP outperforms the conventional TWIST in aortic diseases patients cohort	Calastra	Camilla Giulia	Cardiovascular	Fabian Haupt, Adrian T. Huber, Elena Kleban, Hendrik von Tengg-Kobligh and , Bernd Jung	Department of Interventional and Pediatric radiology
PrCP	21	Examine the role of ACKR3 expression on B cells in Atherosclerosis	Yerly	Anais	Cardiovascular	Yvonne Jansen, Maria Berenice Martinez Salazar, Bryce Evans, Manovriti Thakur, Nico Angliker, Mark Siegrist, Christian Weber, Sarah Maike Bernhard, Marc Schindewolf and Yvonne Döring	Department for BioMedical Research
PrCP	22	Circulating Factors, Measured Both in the Donor and During Ex-Vivo Heart Perfusion, Correlate with Subsequent Heart Recovery in a Pig Model of DCD	Graf	Selianne	Cardiovascular	M. Egle, M.N. Sanz, A. Segiser, M. Arnold, A. Clavier, A. Kadner, M. Siepe, S. Longnus	Cardiac Surgery, DBMR
PrCP/SC	23	Exploring the molecular drivers of arterial calcification in lower extremity artery disease	Thakur	Manovriti	Cardiovascular	Nico Angliker, Berenice Martinez, Julia Wollenhaupt, Mark Siegrist, Heidi Noels, and Yvonne Döring	Angiology
PrCP	24	Proteins released during ex-vivo heart perfusion are promising biomarkers for cardiac graft quality: Studies in an isolated rat heart model of DCD	Clavier	Alexia	Cardiovascular	Arnold Maria, Segiser Adrian, Mendez-Carmona Natalia, Wyss Rahel, Uldry Anne-Christine, Heller Manfred, Siepe Matthias, Longnus Sarah	Cardiac Surgery, Inselspital
PrCP	25	ChemR23 expression protects against smooth muscle cell phenotype switching in atherosclerosis	Evans	Bryce	Cardiovascular	van der Vorst Emiel, Jansen Yvonne, Thakur Manovriti, Yerly Anaïs , Angliker Nico , Siegrist Mark , Weber Christian , Schindewolf Marc , Döring Yvonne	Department for BioMedical Research DBMR
PrCP	26	Multiome profiling of mammalian heart morphogenesis	Zoia	Matteo	Cardiovascular	Gamart Julie, Nusspaumer Gretel , Lopez-Rios Javier , Barozzi Iros , Osterwalder Marco	Department for BioMedical Research DBMR
PrCP	27	Functional assessment of the cardiac epigenomic landscape of TBX5, a critical regulator of mammalian heart development and disease.	Rapp	Vincent	Cardiovascular	Zoia Matteo , Gamart Julie, Tissieres Virginie, Osterwalder Marco	Department for BioMedical Research DBMR
PrCP	28	Functional architecture of the Hand2 and Gata4 regulatory landscapes in mammalian heart development	Roland	Virginia	Cardiovascular	Zoia Matteo, Wisnumurti Ekapaksi, Rouco Garcia Raquel, Gamart Julie, Tissieres Virginie, Nusspaumer Gretel, Lopez-Rios Javier, Andrey Guillaume and Osterwalder Marco	Department for BioMedical Research DBMR
MP	29	Influence of Macronutrients on Heart Regeneration in Zebrafish	Kirschke	Nick	Cardiovascular	Prateek Arora, Alexander Ernst, Nadia Mercader	Institute of Anatomy - University of Bern
PrCP	30	Elevated citrullinated fibrinogen delays fibrinolysis in a porcine model of limb ischemia reperfusion injury, contributing to the development of thrombo-inflammatory events	Zollet	Valentina	Cardiovascular	Isabel Arenas, Stefanie Hirsiger, Bilal Ben Brahim, Mariafrancesca Petrucci, Josip 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, Cardiovascular Cluster
None	31	Establishment of a human cardiac organoid model for the investigation of gene regulatory landscapes underlying human heart chamber formation	Christian	Zuppinger	Cardiovascular	Tissières Virginie, Adak Asli, Rapp Vincent, Mendjan Sasha, Mercader Nadia, Osterwalde Marco	Inselspital, Cardiology
None	32	Unravelling the ill-alliance of COVID-19 and CVD	Martinez Salazar	Maria Berenice	Cardiovascular	Mark Siegrist, Manovriti Thakur, Niko Angliker, Bryce Evans, Anaïs Yerly, Nathan Georges François Leborgne, Adriano Taddeo, Charaf Benarafa, Yvonne Döring	Department for BioMedical Research
None	33	Deciphering the spatial heterogeneity of hepatocellular carcinoma and its immune microenvironment	Schnidrig	Desiree	Carcinogenesis, Oncology	Ercan Caner, Benjak Andrej, Coto-Llerena Mairene, Durante Barbara, Lazzari Melania, Cuttat Rachel, Naumann Ulrike, Schuierer Sven, Wald Annick, Esposito Cinzia, Roma Guglielmo, Soysal Savas D., Kollmar Otto, Terracciano Luigi M., Piscuoglio Salvatore, Ng Charlotte K.Y.	Department for BioMedical Research DBMR
CP	34	Exploring the effect of relaxing immersive virtual reality stimulation in critically ill patients for targeting sensory overload	Naef	Aileen	Intensive Care	Marie-Madlen Jeitziner, Stephan M. Gerber, René M. Müri, Stephan M. Jakob, Tobias Nef	ARTORG Center
None	35	Intestinal Dysbiosis as an Intraoperative Predictor of Septic Complications: Evidence from Human Surgical Cohorts and Mouse Model of Peritoneal Sepsis	Spari	Daniel	Infectious Disease	Zwicky Simone N., Yılmaz Bahtiyar, Salm Lilian, Candinas Daniel, Beldi Guido	Department of Visceral Surgery and Medicine, Inselspital
PrCP	36	Gadolinium uptake by blood cells post contrast enhanced MRI examinations	Parakkattel	Dixy	Cell Biology	Ruprecht Nico, von Tengg-Kobligh Hendrik , Heverhagen Johannes Thomas	Department of Diagnostic, Interventional and Pediatric Radiology, Inselspital
PrCP/SC	37	Investigate the role of LDHB-mediated lactate utilization in lung cancer metastasis	Ge	Huixiang	Cell Biology	Haibin Deng, Ren-Wang Peng, Patrick Dorn, Thomas Michael Marti	Department for BioMedical Research DBMR
PrCP	38	The Human Ocular Surface Microbiome: Comparison of Fresh and Frozen Samples	Spörri	Livia	Cell Biology	Sophia C. Morandi, Elio L. Herzog, Marco Kreuzer, Martin S. Zinkernagel, Denise C. Zysset-Burri	Inselspital Bern Ophthalmology

None	39	Modulation of telomere biology for optimized expansion of T-cells	Haubitz	Monika	Cell Biology	Helsen Ingrid, Baerlocher Gabriela M.	Department for BioMedical Research DBMR
None	40	A Breathing Lung-on-Chip Array incorporating a Protein-based Membrane	Weber	Tobias	Cell Biology	Weber Tobias, Schulte Jan, Zamprogno Pauline, Guenat Olivier	ARTORG, Organs-on-Chip technologies
None	41	Role of ERK1/2 kinases in megakaryopoiesis, thrombopoiesis, platelet function and thrombosis in myeloproliferative neoplasms	Albrecht	Camille	Cell Biology	Stivala Simona, Vokalova Lenka, Angellilo-Scherrer Anne, Levine Ross L., Neel Benjamin G., Meyer Sara C.	Department for Biomedical Research, Inselspital, Bern University Hospital, University of Bern
PrCP	42	Characterization of 17 novel SF-1/NR5A1 variants identified in individuals with atypical sexual development reveals poor phenotype-genotype-function correlation.	Naamneh Elzenaty	Rawda	Endocrinology / Metabolism	Idoia Martinez de Lapiscina, Chrysanthi Kouri, Grit Sommer, Christa E. Flück, , SF1next study group	Pediatric Endocrinology, Kinderklinik, Inselspital
PrCP/SC	43	Nanoparticles loaded with black pepper alkaloid enhance the in-vitro inhibition of Cytochrome P450 CYP17A1 by curcuminoids and block the proliferation of prostate cancer cells.	Yakubu	Jibira	Endocrinology / Metabolism	Pandey Amit Vikram	University Children Hospital
CP/SC	44	First Case Report of Rabson-Mendenhall Syndrome in a Paraguayan Patient: Novel Mutation in the INSR gene causes severe Insulin Resistance.	Rojas Velazquez	Maria Natalia	Endocrinology / Metabolism	Fabiola Blanco, Ana Ayala, Idoia Martínez de LaPiscina, Christa Flück, Amit V. Pandey	Translational Hormone Research Program, Department of Biomedical Research, University of Bern
PrCP/SC	45	Characterization of the obesity-driving bacterial consortia in a highly-standardized gnotobiotic mouse model	Scalise	Melanie	Endocrinology / Metabolism	Brandenburg Lisa, Filipová Kristýna, Tandon Disha, Ring Diana, Eberl Claudia, Segesser von Brunegg Alexander, Boss Adrian, Hapfelmeier Siegfried, Stecher Barbara, Balmer Maria Luisa	Department of Diabetes, Endocrinology, Clinical Nutrition and Metabolism (UDEM), Department for BioMedical Research (DBMR)
PrCP	46	Sulfur substituted indole and benzimidazole compounds as inhibitors of androgen production in castration resistant prostate cancer	Sharma	Katyayani	Endocrinology / Metabolism	Wróbel, Tomasz M., Yakubu, Jibira, du Toit, Therina, Rojas Velazquez, Maria Natalia, Matveeva, Anna, Manella, Iole, Bosso, Simonetta O, Pippione, Agnese C, Lolli, Marco L, Boschi, Donatella, Therkelsen, Søren, Jørgensen, Flemming S, Björkling, Fredrik, Pandey, Amit V	Pediatric Endocrinology, University Children's Hospital, Bern; Translational Hormone Research, DBMR, University of Bern
PrCP	47	Progression of Pancreatic Neuroendocrine Tumours (PanNETs) to Metastatic Disease is Associated with MCT4 Expression and Metabolic Heterogeneity	Bräutigam	Konstantin	Endocrinology / Metabolism	Straub Janine, Andreasi Valentina, Filipova Krystina, Kirchner Philipp P., Galván José A., Maire Renaud S., Sunier Tsilla D., Saganas Charalampos, Dettmer Matthias S., Schrader Jörg, Partelli Stefano, Falconi Massimo, Marinoni Ilaria, Sadowski Martin, Perren Aurel	Institute of Tissue Medicine and Pathology, University of Bern
CP	48	Growth in individuals with NR5A1/SF-1 variants: Results from the international SF1next study	Kouri	Chrysanthi	Endocrinology / Metabolism	Chrysanthi Kouria, Grit Sommera , Idoia Martinez de LaPiscina, Lloyd Tack , Martine Coolsh, Christa E. Flück, SF1next study group	Pediatric Endocrinology, Diabetology and Metabolism, Department of Pediatrics, Inselspital, Bern University Hospital, University of Bern
PrCP	49	Drug-tolerant persister cells: An early offensive against acquired drug resistance in pancreatic neuroendocrine tumors	Küçükçakır	Ozan	Endocrinology / Metabolism	Maire Renaud, Filipova Kristyna, Perren Aurel, Sadowski Martin	Institute for Tissue Medicine and Pathology
None	50	The Metabolism of 11-Oxy Androgens by Fetal CYP3A7 and CYP3A4 is Less Efficient Compared to Classical Androgens	Du Toit	Therina	Endocrinology / Metabolism	Flück, Christa E., Pandey, Amit V., Groessl, Michael	Department for BioMedical Research, University of Bern
PrCP/SC	51	Cardiac contractions move pulmonary alveoli by up to a quarter of their diameters as shown by in vivo serial radiography	Ganesh	Sai Krishnan	Epidemiology / Preventive Medicine	Elena Borisova, Christian M. Schlepütz, Goran Lovric, Marco Stamparoni, Johannes C. Schittny	Institute of Anatomy
PrCP	52	Effects of nociceptin on human leukocyte antigen-DR expression	Zhang	Lan	Genetics	Stüber Frank, Huang Melody Ying-Yu, Stamer Ulrike M	Department of Universitätsklinik für Anästhesiologie und Schmerzmedizin, Inselspital, Bern University Hospital, University of Bern, and Department of BioMedical Research, University of Bern
PrCP/SC	53	Role of RHOBTB2 in neurodevelopmental disorders	Langhammer	Franziska	Genetics	Anne Gregor, Niels R. Ntamati, Arif B. Ekici, Beate Winner, Thomas Nevian, Christiane Zweier	Human Genetics
None	54	Characterising the replicability of RNA-Seq downstream analysis results	Degen	Peter Methys	Genetics	Matuš Medo	Radiation Oncology
PrCP	55	Characterization of JAK2 Inhibition Failure Mechanisms and Approaches to Overcome Resistance to Therapy in MPN	Arunasalam	Stefanie	Hematology	Tamara Codilupi , Camille Albrecht, Alicia Rovó, Anne Angellilo-Scherrer, Sara Christina Meyer	Department for Biomedical Research, Inselspital, Bern University Hospital, University of Bern, Switzerland
CP	56	Development, validation, and implementation of a decision support tool for the screening of mild bleeding disorders	Nilius	Henning Jürgen Jean	Hematology	Kaufmann Jonas , Adler Marcel , Wieland Greguare-Sander Anna , Alberio Lorenzo , Erdős Gabor , Sauter Thomas , Koster Andreas , Levy Jerrold , Nagler Michael	Departement of Clinical Chemistry
PrCP	57	Disregulated autophagy in Lymphocytes hints at contribution to immune-mediated thrombotic thrombocytopenic purpura (iTTP)	Milyaev	Saveliy	Hematology	Monica Schaller, Mario Tschan	Department for BioMedical Research. Blood Program
CP	58	BioRef: A national infrastructure for generating precise reference intervals for diagnostic medicine	Blatter	Tobias Ueli	Hematology	Harald Witte, David Schär, James Ackermann, Alexander Benedikt Leichterle	University institute of Clinical Chemistry

PrCP	59	Targeting the Src homology 2 domain-containing phosphatase SHP2 enhances the therapeutic efficacy of JAK inhibition in myeloproliferative neoplasms	Jungius	Sarah	Hematology	Mattei Sara, Stivala Simona, Szybinski Jakub, Vokalova Lenka, Rovo Alicia, Angelillo-Scherrer Anne, Dirnhofer Stefan, Meyer Sara	Department for BioMedical Research
PrCP/SC	60	Characterization of novel therapeutic approaches for myeloproliferative neoplasms in engineered bone marrow tissue	Vokalova	Lenka	Hematology	Vokalova, L., Garcia-Garcia, A., Reinhardt, E., Genty, L., Plantier, E., Jungius, S., Arunasalam, S., Albrecht, C., Stivala, S., Brkic, S., Rovo A., Angelillo-Scherrer, A., Martin I. & Meyer, SC.	Department for BioMedical Research
None	61	Escape from type II JAK2 inhibition in MPN depends on AXL/MAPK activation and is targetable	Codilupi	Tamara	Hematology	Jakub Szybinski, Sime Brkic1, Simona Stivala, Julie L. Yang, Katarzyna Buczak, Nilabh Ghosh, Jakob R. Passweg, Alicia Rovo, Anne Angelillo-Scherrer, Dmitry Pankov, Stefan Dirnhofer, Ross L. Levine, Richard Koche, Sara C. Meyer	Department for BioMedical Research
PrCP	62	Multifactorial modulation of the endothelial-specific transcription factor ERG in chronic liver disease	Selicean	Sonia	Hepatology	Felli Eric, Wang Cong, Nulan Yelidusi, Bosch Jaume, Berzigotti Annalisa, Gracia-Sancho Jordi	Department for BioMedical Research, Hepatology
PrCP/SC	63	Novel insights on liver endothelial mechanobiology in cirrhosis: role of calcium integrin-binding protein 1	Wang	Cong	Hepatology	Eric Felli, Sonia Selicean, Yeldos Nulan, Sergi Guixé-Muntet, Juan José Lozano, Jaume Bosch, Annalisa Berzigotti, Jordi Gracia-Sancho	Hepatology Department
PrCP	64	Carvedilol ameliorates liver sinusoidal endothelial cell (LSEC) dysfunction and inhibits hepatic stellate cell (HSC) contraction, which contribute to further improving portal hypertension in cirrhosis.	Nulan	Yelidusi	Hepatology	Eric Felli, Wang Cong, Sonia Selicean, Berzigotti Annalisa, Gracia-Sancho Jordi, Bosch Jaume,	Department for BioMedical Research, Hepatology, University of Bern
PrCP	65	MeCP2: an epigenetic mechanosensor of liver sinusoidal endothelial cells in chronic liver disease	Felli	Eric	Hepatology	Wang Cong, Selicean Sonia, Yelidusi Nulan, Bosh Jaume, Berzigotti Annalisa, Gracia-Sancho Jordi	Department for BioMedical Research, Hepatology, University of Bern
None	66	Regulation of murine small intestinal gut-vascular barrier (GVB) by chronic beta-adrenergic hyperstimulation, liver cirrhosis and acute-on chronic liver failure (ACLF)	Felber	Marco	Hepatology	Wiest Reiner	Department of Visceral Surgery and Medicine, Inselspital
PrCP	67	Evaluation of variability in cell-free DNA extraction from plasma using an artificial spike-in (CEREBIS)	Sandberg	Fanny	Immunology	Küng Nicholas, Carlo Largiadèr, Ursula Amstutz	Clinical Chemistry
PrCP	68	The impact of intestinal colonization on T lymphocytes in breast milk	Fernandez Trigo	Nerea	Immunology	Ganal-Vonarburg Stephanie., Kalbermatter Cristina, Christensen Sandro	Gastroenterology/Mucosal Immunology DBMR
PrCP	69	Effector functions of human TH9 cells depend on PPARγ-regulated glucose metabolism	Luther	Fabian	Immunology	Bertschi Nicole L., Steck Oliver, Bazzini Cecilia, Keller Irene, Nuoffer Jean-Marc, Borradori Luca, Simon Dagmar, Schlapbach Christoph	Institute of Dermatology, Inselspital
PrCP	70	Investigation of the role of IL-33 for intestinal tumorigenesis	Herbst	Anja	Immunology	Vu Vivian, Krebs Philippe	Institute of Tissue Medicine and Pathology
MP/SC	71	Immune Rejection and Cell death of Cartilage in a Swine Vascularized Composite Allotransplantation Model	Zhang	Lei	Immunology	Isabel Arenas; Anja Sophie Helmer Robert Rieben; Mihai Constantinescu Radu Olariu	Department of Plastic and Hand Surgery, Inselspital University Hospital Bern
PrCP/SC	72	Role of type 2 innate lymphoid cells upon colorectal cancer stem cells	de Paula Costa Monteiro	Inês	Immunology	Chantal Bachmann, Pascal Näf, Vivian Vu, Christian Schurch, Carsten Riether, Philippe Krebs, Adrian Ochsenbein	Tumor Immunology
PrCP/SC	73	Deciphering microbiota and diet-driven immune system programming of the offspring in utero and early life	Christensen	Sandro	Immunology	Cristina Kalbermatter, Nerea Fernández Trigo, Andrew J. Macpherson & Stephanie C. Ganal-Vonarburg	Department of Visceral Surgery and Medicine, Inselspital, University Hospital of Bern & University of Bern, Department for Biomedical Research, Gastroenterology & Mucosal Immunology
PrCP	74	Towards the Characterization of the Human Ocular Surface Core Microbiome	Morandi	Sophia C.	Immunology	Elio L. Herzog, Nina Eldridge, Martin S. Zinkernagel, Denise C. Zysset-Burri	Ophthalmology
PrCP	75	Associations between the ocular surface microbiome and the tear proteome in mice	Herzog	Elio L.	Immunology	Stephanie C. Ganal-Vonarburg, Martin S. Zinkernagel, Denise C. Zysset-Burri	Universitätsklinik für Augenheilkunde Inselspital Bern
PrCP/SC	76	Liposomes induce Inflammasome Activation in Human Monocytes	Grbo	Ilma	Immunology	Habegger Tamara, Andina Nicola, Allam Ramanjaneyulu	Department for BioMedical Research DBMR
PrCP	77	The maternal microbiota during pregnancy modifies the neonatal epigenome to refine epithelial energy homeostasis and improve intestinal barrier integrity	Kalbermatter	Cristina	Immunology	Nerea Fernandez Trigo, Sandro Christensen, Hai Li, Irene Keller, Aart Mookhoek, Mercedes Gomez de Agüero, Andrew J. Macpherson and Stephanie C. Ganal-Vonarburg	Department for BioMedical Research (DBMR), University of Bern and Department of Visceral Surgery and Medicine, Inselspital, Bern University Hospital
PrCP	78	Regulatory effects of microRNAs on monocytic HLA-DR surface expression	Folini	Anja	Immunology	Markus Lüdi, Lan Zhang, Lena Matthiss, Frank Stüber, Melody Ying-Yu Huang	Anaesthesiology

PrCP	79	Isolating and analysing neoantigens of NMD inhibited cancer cells to assist the innate immune system.	Burger	Alexandra Emanuela	Immunology	Heller Manfred	Proteomics & Mass Spectrometry, DBMR
PrCP/SC	80	The consequences of diet-microbiota interplay at weaning, on life long immunity	Morelli	Luisa	Immunology	Abdoul Ahad Rosemary , Joseph Nora, Al Nabhani Ziad	Department of Visceral Surgery and Medicine, Inselspital and DBMR
MP	81	The Effect of Dubilumab on the Ocular Surface Microbiome in Patients with Atopic Dermatitis	Deniau	Felix Julien	Inflammatory Disease	Elio L. Herzog, Marco Kreuzer, Martin S. Zinkernagel, Denise C. Zysset-Burri	Department of Ophthalmology
PrCP	82	<i>In-vitro</i> effects of different hyaluronic acids on periodontal biofilm-immune cell interaction	Zhu	Xilei	Inflammatory Disease	Sculean Anton, Eick Sigrun	Department of Periodontology, School of Dental Medicine
PrCP	83	Compositional and functional features of the gut microbiome in patients with acute onset central serous chorioretinopathy	Zysset-Burri	Denise C.	Inflammatory Disease	Berger Lieselotte E. , Herzog Elio L. , Kreuzer Marco, Zinkernagel Martin S.	Department of Ophthalmology, Inselspital, Bern
PrCP	84	Prediction of Endometriosis through the Power of AI	Dümpelmann	Lea	Inflammatory Disease	Shaoline Sheppard, Angelo Duo, Jitka Skrabalova, Thomas Andrieu, Brett McKinnon, Sukalp Muzumdar, Dennis Goehlsdorf, Peter Nestorov and Michael Müller	Department for BioMedical Research DBMR
PrCP	85	About the variability and stability of the human ocular surface microbiome	Eldridge	Nina	Inflammatory Disease	Sophia C. Morandi, Elio L. Herzog, Marco Kreuzer, Martin S. Zinkernagel, Denise C. Zysset-Burri	Department of Ophthalmology, Inselspital, Bern University Hospital
None	86	IL-9 promotes a pathogenic phenotype and enhances proliferation in a subset of skin-tropic Th2 cells	Bertschi	Nicole Leonie	Inflammatory Disease	Steck Oliver, Luther Fabian, Vallone Angela, Schärli Stefanie, Bazzini Cecilia, Keller Irene, Nuoffer Jean-Marc, Borradori Luca, Simon Dagmar, Schlapbach Christoph	Department of Dermatology, Inselspital Bern
None	87	A higher JUP value in serum is an indicator of systemic inflammation and allows stratification of women with endometriosis.	Andrieu	Thomas	Inflammatory Disease	Duo Angelo, Duempelmann Lea, Patzak Magdalena, Saner Flurina, Skrabalová Jitka, Donato Cinzia, Nestorov Peter, Mueller Michael D	DBMR / Universitätsklinik für Frauenheilkunde, Inselspital Bern.
None	88	Analysis of biological material collected during the menstruations to advance understanding and management of Endometriosis	Skrabalová	Jutka	Inflammatory Disease	Skrabalová Jitka, Vaucher Anne, Andrieu Thomas, Mueller Michael D.	DBMR / Universitätsklinik für Frauenheilkunde, Inselspital Bern
PrCP/SC	89	Effect of bisphosphonates on healing of critical-size long bone defects in estrogen-deficient mice	Strunz	Franziska	Musculoskeletal	Siegrist Mark, Perret-Gentil-dit-Maillard Saskia, Böhner Marc, Saulacic Nikola, Hofstetter Willy	Bone & Joint Program, Department for BioMedical Research (DBMR)
PrCP/SC	90	Creating artificial intervertebral disc tissue using GDF5 functionalized silk fibroin and human mesenchymal stromal cells	Croft	Andreas	Musculoskeletal	Janine Fuhrer, Michael Wöltje, Benjamin Gantenbein	Bone & Joint Program, Department for BioMedical Research (DBMR)
PrCP	91	Sulfated hydrogels as primary intervertebral disc cell culture systems	Bermudez-Lekerika	Paola	Musculoskeletal	Exarchos Kanelis, Andreas S. Croft, Katherine B. Crump, Karin Wuertz-Kozak, Christine Le Maitre, Leonidas G. Alexopoulos, Dominic Rüttsche, Benjamin Gantenbein	Bone & Joint Program, Department for BioMedical Research (DBMR)
PrCP/SC	92	In-Vitro Investigation of Dynamic Compression and Catabolic Cytokines on Human Cartilage Endplate Cells in Agarose	Crump	Katherine	Musculoskeletal	Paola Bermudez-Lekerika, Ahmad Alminnawi, Andreas S. Croft, Liesbet Geris, Jérôme Noailly, Benjamin Gantenbein	Bone & Joint Program, Department for BioMedical Research (DBMR)
PrCP	93	New generation of superior single plating vs low-profile dual mini-fragment plating in diaphyseal clavicle fractures. A Biomechanical comparable study.	Pastor	Tatjana	Musculoskeletal	Ivan Zderic, Till Berk, Firas Souleiman, Esther Vögelin, Frank J P Beeres, Boyko Gueorguiev, Torsten Pastor	Departement of Plastic and Hand Surgery, Inselspital Bern
None	94	Inhibitory influence of conditioned medium from human primary intervertebral disc cells on bone-marrow-derived mesenchymal stromal cells and osteoblasts of the same donor	Chen	Shuimu	Musculoskeletal	Croft Andreas Shaun, Oberli Andrea Elisabeth, Gantenbein Benjamin	Bone & Joint Program, Department for BioMedical Research (DBMR)
PrCP/SC	95	The Na <sup>+</sup> /H <sup>+</sup> exchanger NHA2 regulates the late endosome bypass pathway and autophagic flux via downregulation cis-Golgi protein GPP130	Ho	Manh Tin	Nephrology	Albano Giuseppe, Fuster Daniel	Department for BioMedical Research (DBMR)
CP	96	Selective V2 vasopressin receptor blockade with Tolvaptan increases urinary exosome Pendrin expression in patients with Autosomal Dominant Polycystic Kidney Disease	Bargagli	Matteo	Nephrology	Albano Giuseppe, Vogt Bruno, Ferraro Pietro Manuel, Fuster Daniel G.	Department of Nephrology and Hypertension, Inselspital, Bern University Hospital, University of Bern
PrCP	97	Lipid metabolism in murine Stargardt disease models	Steiner	Beatrice Lisa	Neuroscience, Neurology	Beatrice L. Steiner, Emanuele G. Bulla, Andreas Hemmerle, Déborah Mathis, Chantal Dysli, Martin Zinkernagel, and Pascal Escher	Department of Ophthalmology
CP	98	Transient ischemic attacks in patients with active cancer.	Beyeler	Morin	Neuroscience, Neurology	<del>Pasquale Castiglione, Joel Baumann, Victor Ziegler, Moritz Kielkopf, Madlaine Mueller, Stefan A. Bauer Gambelli, Adnan Mujanovic, Thomas Raphael Meinel, Thomas Horvath, Urs Fischer, Johannes Kaesmacher, Mirjam R. Heldner, David Seiffge, Marcel Arnold, Thomas Pabst, Martin D. Berger, Babak B. Navi, Simon Jung, Philipp Bücke</del>	Neurology
PrCP	99	Somato-dendritic Decoupling in the Restrosplenial Cortex Neurons During REM sleep	Borsa	Micaela	Neuroscience, Neurology	Mattia Aime, Antoine Adamantidis	Department of Neurology, Inselspital University Hospital Bern
CP	100	Detection of outer retinal changes during diurnal rhythm and light adaptation by high resolution optical coherence tomography	Stocker	Andrea	Neuroscience, Neurology	Jelena Reche, Andrea B. Stocker, Virgilia Henchoz, Sebastian Wolf, Pascal Escher, Martin S. Zinkernagel	Department of Ophthalmology, Inselspital, Bern University Hospital

PrCP	101	Anticipatory coding of anxiety in the ventral hippocampus	Koukoutselos	Konstantinos	Neuroscience, Neurology	Stéphane Ciochi	Institute of Physiology
CP	102	Transient resting-state salience-limbic co-activation patterns in functional neurological disorders	Weber	Samantha	Neuroscience, Neurology	Serafeim Loukas, Janine Bühler, Thomas Bolton, Giorgio Vanini, Rupert Bruckmaier, Selma Aybek	Department of Neurology, Inselspital Bern
PrCP	103	Astrocyte-derived extracellular vesicles as potential plasmatic biomarkers for neuromyelitis optica spectrum disorder	Lim Falk	Victoria	Neuroscience, Neurology	Nicole Müller, Sandrine Joly, Elma Evangelopoulos, Kirsten Guse, Andrew Chan, Vincent Pernet	Neurology (Neuroimmunology)
PrCP/SC	104	Rho-kinase Involvement in ocular fibrosis	Li	Yuebing	Neuroscience, Neurology	Jahnke, Laura; Hafezi-Moghadam, Ali; Enzmann, Volker; Zinkernagel, Martin S.; Zandi, Souska.	Ophthalmology Department
PrCP	105	Circadian timing of limbic seizures in the epileptic mouse	Slabeva	Kristina	Neuroscience, Neurology	Adamantidis Antoine, Baud Maxime	Center for experimental neurology, Department of Neurology, Inselspital Bern, University Hospital, University of Bern Switzerland
PrCP	106	Sex differences in the efficacy of S1P receptor modulators and S1P receptor expression	Massy	Marine	Neuroscience, Neurology	Pistor Maximilian, Bagnoud Maud, Remlinger Jana, Huwiler Andrea, Chan Andrew, Salmen Anke, Hoepner Robert	Neurology
MP/SC	107	BOLD signal variability as a prognostic outcome measure in functional neurological disorders	Schneider	Ayla	Neuroscience, Neurology	Weber Samantha, Loukas Serafeim, Aybek Selma	Department of Neurology, Psychosomatic Medicine Unit, Inselspital Bern University Hospital
CP	108	Validation of the usability of a new interactive and sensor-based hand trainer, the Smart Sensor Egg, for training hand coordination and dexterity	Krummenacher	Nic	Neuroscience, Neurology	Stephan M Gerber, Manuela Pastore-Wapp, Tobias Nef, Tim Vanbellingen	ARTORG Center
PrCP/SC	109	MicroRNA cargo delivered by Wharton's jelly-derived small extracellular vesicles (sEV) is a key factor in the prevention and treatment of perinatal brain damage in preterm birth	Tscherrig	Vera	Neuroscience, Neurology	Haesler Valérie, Cottagnoud Sophie, Renz Patricia, Surbek Daniel, Schoeberlein Andreina, Jörgen-Messerli Marianne	Laboratory for Prenatal Medicine
CP	110	Thalamus: hub for autonomic regulation, sleep and cognitive functioning	Filchenko	Irina	Neuroscience, Neurology	Aleksandra Eberhard-Moscicka, Carolina Gutierrez Herrera, Merve Aktan Süzgün, Jasmine Picard, Corrado Bernasconi, Markus H. Schmidt, Claudio L. A. Bassetti	Department of Neurology, Sleep-Wake-Epilepsy Center
PrCP	111	Mice lacking a novel phosphosite S1014 on MET display ASD-associated behavioral pattern	Hayrapetyan	Liana	Neuroscience, Neurology	Bouteiller Sofiane, Quintin Aurélie, Riedo Rahel, Degen Peter, Aebersold Daniel M., Medo Matúš, Adamantidis Antoine, Levitt Pat, Zimmer Yitzhak, Medová Michaela	University of Bern/Inselspital, Department of Radiation Oncology
CP	112	The neurophysiological motor/non-motor gradient of the subthalamic nucleus in Parkinson's disease	Bernasconi	Elena	Neuroscience, Neurology	Averna Alberto, Fischer Petra, Alva Laura, Amstutz Deborah, Petermann Katrin, Debove Ines, Sousa Mario, Nowacki Andreas, Walther Sebastian, Pollo Claudio, Krack Paul, Nguyen Khao, Tinkhauser Gerd	Department of Neurology, University Hospital Bern
PrCP/SC	113	Olfactory mucosa-targeted administration allows rapid and widespread distribution of therapeutic antibody in the mouse CNS	Spiegel	Sebastian	Neuroscience, Neurology	Joly Sandrine, Meli Ivo, Pernet Vincent, Chan Andrew	Neuroimmunology
CP	114	Spatial segregation of movement-related gamma rhythm in the Subthalamic Nucleus	Averna	Alberto	Neuroscience, Neurology	Sousa Mário, Nguyen Khoa, Bernasconi Elena, Petermann Katrin, Alva Laura, Debove Ines, Lachenmayer Lenard, Schuepbach Michael, Pollo Claudio, Krack Paul, Nowacki Andreas, Tinkhauser Gerd	Department of Neurology, Bern University Hospital and University of Bern
PrCP	115	Bone density distribution in the human auditory ossicles: A synchrotron-based phase-contrast microtomography study	Ivanovic	Aleksandra	Neuroscience, Neurology	Schalbetter Fabian, Schmeltz Margaux, Caversaccio Marco, Bonnin Anne, Anschuetz Lukas	Department of Otorhinolaryngology, Head and Neck Surgery
PrCP/SC	116	Induced Pluripotent Stem Cell Derived Multicellular Alveolar Lung Organoids with Endothelial and Immune Cells	Ozan	Vedat Burak	Pneumology	Tschirren Anna-Barbara, Gazdhar Amiq, Geiser Thomas	Department for BioMedical Research DBMR
PrCP	117	TGF-beta induced fibrosis is reduced after LPS stimulation in a lung ex vivo model	Machahua	Carlos	Pneumology	Zingg-Bärtschi Michelle, Marti Thomas M, Dorn Patrick, Funke-Chambour Manuela	Department for BioMedical Research DBMR
PrCP/SC	118	Human Precision Cut Lung Slices as a model of heme-induced acute injury	Kewalramani	Namrata	Pneumology	Carlos Machahua, Thoma Marti, Michelle Zingg Bärtschi, Jessica Petracca, Michelle Schorer, Fabian Käsemann, Kleanthis Fytianos, Manuela Funke Chambour	Department for BioMedical Research DBMR

PrCP	119	Quantitative radiomic risk score stratifies response to anti-fibrotic treatment in a preclinical lung fibrosis model	Lauer	David	Pneumology	Hubert Gabrys, Malgorzata Maciukiewicz, Matthias Brunner, Thomas Frauenfelder, Stephanie Tanadini-Lang, Anne-Christine Uldry, Manfred Heller, Kerstin Klein, Oliver Distler, Janine Gote-Schniering, Britta Maurer	Department for BioMedical Research DBMR
PrCP	120	The effect of OM-85 on primary nasal epithelial cells in context of rhinovirus infection	De Groof	Susan	Pneumology	Gammenthaler Sara, Baulier Edouard, Pasquali Christian, Müller Loretta	Inselspital, Pediatric Pneumology
None	121	Airspace diameter map - a quantitative measurement of all pulmonary airspaces to characterize structural lung diseases	Blaskovic	Sanja	Pneumology	Anagnostopoulou Pinelopi, Borisova Elena, Schitny Dominik, Donati Yves, Haberthür David, Zhou-Suckow Zhe, Mall Marcus, Schlepütz Christian Matthias, Stampanoni Marco, Barazzzone-Argiroffo Constance, Schitny Johannes Constantin	Institute of Anatomy
None	122	Spatiotemporal analysis of inflammaging and senescence programs in lung fibrosis using single-cell transcriptomics and multiplexed immunofluorescence	Gote-Schniering	Janine	Pneumology	Lehmann Mareike, Ansari Meshal, Wiedemann Konstantin A., Melo-Narvaez M. Camila, Steinchen Carina, Jentsch R. Christoph, Mayr Christoph H., Chen Yuexin, Lang Niklas J., Agami Ahmed, Angelidis Ilias, Zhou Shuhong, Königshoff Melanie, Theis Fabian, Schiller Herbert B.	Department of Immunology & Rheumatology and Department of Pneumology; Lung Precision Medicine, DBMR
None	123	Cell specific gene editing for treatment of Alpha-1 Antitrypsin Deficiency	Cremona	Tiziana	Pneumology	Cremona Tiziana Patrizia, Anna Barbara Tschirren, Mario Amacker, Roberta Esposito, Paola Luciani, Thomas Geiser, Amiq Gazdhar	Department for BioMedical Research DBMR
None	124	The extended SLC Atlas: towards a unified view	Gyimesi	Gergely	Nephrology	Matthias A. Hediger	Membrane Transport Discovery Lab, Department of Nephrology and Hypertension, Inselspital Bern, Bern, Switzerland. Department of Biomedical Research, University of Bern, Bern, Switzerland
None	125	Systematic discovery of solute carrier (SLC)-lipid interactions using in silico methods	Gyimesi	Gergely	Nephrology	Matthias A. Hediger	Membrane Transport Discovery Lab, Department of Nephrology and Hypertension, Inselspital Bern, Bern, Switzerland. Department of Biomedical Research, University of Bern, Bern, Switzerland
None	126	A data management platform for long-term neurobehavioral recordings in Parkinson's disease	Serquet	Camille	Neuroscience, Neurology	Alberto Aversa, Elena Bernasconi, Laura Alva, Gerd Tinkhauser	Faculty of Medicine, University of Bern, Bern, Switzerland Department of Neurology, University Hospital Bern, Bern, Switzerland