



ZIHP *News*

Zurich Center for Integrative Human Physiology

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A journey to medieval times – the 8th imMed retreat

Marta Figueiredo

Zurich, early May, 2013. A group of PhD students from the imMed PhD program made an attempt to travel through time back to the middle ages. The chosen place for such an accomplishment was the Rotberg Castle Mariastein, near Basel. The main aim of this adventurous mission for the imMed PhD students was to meet each other and share their knowledge from different fields of integrative human physiology and biomedicine.



In the early morning, the PhD students started their journey on a supersonic train to Basel. A few minutes later, they arrived near the village of Mariastein, an area surrounded by hills and mystic green forests. And there it was, Rotberg Castle. The view of such a magnificent building gave the participants the confidence that this imMed retreat would be promising. In the morning, the students discussed what they know best, their magic or – what it is called in the XXI century – science and research in the hall of knights. The big fireplace and the chairs arranged in a semi circle resembled a knights' council from the old times.

In the afternoon, Dr. Isabel Klusman from Life Science Zurich informed the group about the career possibilities

that are awaiting the shy knaves from Zurich to become brave knights. In the evening there was time to explore the surroundings but also to get to know each other. Sitting around the fireplace all listened to tales from near the Rotberg Castle and from far Kazakhstan where one of the comrades comes from. After dinner at the historic dining hall, the castle courtyard and basement were the places for leisure and party. The imMed bar team took care of drinks and music. A tournament was installed, no blood was shed. It was a very joyful but competitive tabletop soccer tournament.

Next morning, there was room for more science when the students told the exciting stories about their research. Once again there was a wide variety of topics, from pancreas to

mesenchymal stem cells. At midday, imMed students said goodbye to the meter thick walls and steep staircases and set off for a stroll through green meadows to Mariastein monastery. The origins of this pilgrimage place go back to the XIV century when a miracle saved a boy who had fallen from a cliff. Brother Leonhard, a Benedictine monk, gave a guided tour through the church and cloister, and shared his view on daily life in a Benedictine monastery.

In the evening of the second day, the imMed students safely returned from their journey to the middle ages. Now that the imMed has an operational and efficient time machine, anything can happen.

[→ photo album of the retreat](#)

Alarmsignal Schmerz



Schmerzen sind nicht angenehm, aber dennoch lebenswichtig. Sie warnen uns vor gefährlichen Situationen. Wie sie entstehen und wie sie behandelt werden können, darüber sprach UZH-Professor Hanns Ulrich Zeilhofer im Rahmen der Veranstaltungsreihe «Wissenschaft(f)t Wissen».

→ Lesen Sie den Artikel auf UZH News.

New ZIHP members

→ Prof. Dr. Volkmar Falk, Division of Cardiovascular Surgery, USZ as full member

→ Dr. Isabelle Frey-Wagner, Division of Gastroenterology and Hepatology, USZ as junior member

→ Prof. Dr. Andrew Hall, Institute of Anatomy, UZH as junior member

→ Prof. Dr. Lawrence Rajendran, Division of Psychiatry Research, UZH as full member

→ Prof. Dr. Stephan Segerer, Division of Nephrology, USZ and Institute of Physiology, UZH as full member

Press review

→ Das aggressive Immunsystem zähmen

Eine neue Therapie für multiple Sklerose soll das Immunsystem wieder an das eigene Körpergewebe gewöhnen: In einer kleinen, internationalen Studie mit Beteiligung der Forschenden um ZIHP-Mitglied Roland Martin senkte die einmalige Gabe veränderter weisser Blutkörperchen die Reaktion der Körperabwehr deutlich. Neue Zürcher Zeitung, 5. Juni 2013

→ Das genetische Schicksal abwenden

Der Fortschritt der Gentechnik macht es immer einfacher, im Erbgut Risikogene zu finden. In den USA streiten sich Wissenschaftler darüber, wie man mit «Zufallsbefunden» umgehen soll. In der Schweiz werde über das Thema noch kaum diskutiert, sagt ZIHP-Forscherin Anita Rauch. Neue Zürcher Zeitung, 21. Mai 2013

→ Von Kopffüsslern und Menschen

Kinderzeichnungen sind Ausdruck von Fantasie und Fingerfertigkeit. Letztere wird aber oft zu wenig beachtet, wenn Fachleute Kinder auf Grund ihrer Bilder beurteilen. ZIHP-Mitglied Oskar Jenni und seine Mitarbeitenden haben Hunderte von Zeichnungen von Zürcher Kindern analysiert. magazin. Die Zeitschrift der Universität Zürich, 13. Mai 2013

→ Fressen oder sterben

Wir müssen ständig Entscheidungen treffen. Das ist riskant und kann über Leben und Tod entscheiden. Der ZIHP-Forscher und Neuroökonom Philippe Tobler untersucht, was in unserem Kopf passiert, wenn wir Risiken eingehen magazin. Die Zeitschrift der Universität Zürich, 13. Mai 2013

Events

June 13, 2013

→ Nutrient sensing taste receptor 1 family members (T1Rs) in gastrointestinal chemo-sensing

Prof. Dr. Soraya P. Shirazi-Beechey, Dept. of Functional and Comparative Genomics, Institute of Integrative Biology, University of Liverpool, UK

June 19, 2013 - PhD Thesis Defense

→ Trans-endothelial transport of high density lipoproteins in inflammation and 3D engineered artery to study atherosclerosis

Jérôme Robert, Institute of Clinical Chemistry, USZ

June 20, 2013

→ Prevention Summit 2013
Universitätsspital Zürich

June 20, 2013

→ The Kidney in Mineral Homeostasis: 3rd international Kidney.CH symposium
University Hospital Zurich

Juni - Juli 2013

→ Neurologie Fortbildung

July 1, 2013

→ HIV, mitochondria and the renal Fanconi syndrome

Prof. Dr. Andrew Hall, Institute of Anatomy, UZH

July 9, 2013

→ Epigenetics in SLE

Dr. George Bertias, Department and Research Laboratory of Rheumatology, University of Crete, Greece

July 10, 2013- PhD Thesis Defense

→ Alterations in the sleep EEG at moderate altitude

Katrin Stadelmann, Institute of Pharmacology and Toxicology, UZH

July 11, 2013 - PhD Thesis Defense

→ Protective action of maternal milk in gastrointestinal physiology

Adrienne Weiss, Institute of Physiology, UZH and University Children's Hospital Zurich

11. Juli 2013

→ Nanomaterialien: Chancen und Risiken in der Medizin

Prof. Dr. Beatrice Beck Schimmer, Institut für Anästhesiologie, USZ

August 23, 2013

→ 9th Symposium of the ZIHP
University of Zurich

imMed PhD Program – new members of the program commission

Prof. Carsten Wagner stepped back from the → [imMed PhD program commission](#) and was replaced by Dr. Lucia Rohrer, Institute of Clinical Chemistry, USZ.

Jenny Ann Kürth, Institute of Physiology, UZH is the new student representative and - also member of the imMed PhD program commission. She replaced Josua Jordi.

The commission of the imMed PhD Program is responsible for the organization, development and advertisement of the program as well as the admission of the candidates.

We would like to thank Carsten and Josua for all their work and support of the imMed PhD program in the last few years and welcome Lucia and Jenny on board.

imMed PhD Program – new students

Since the last recruitment round 11 new PhD students who were accepted to the PhD Program in Integrative Molecular Medicine (imMed) started their work here in Zurich. Welcome!

Arsiwala Tasneem, Institute of Physiology, UZH
 Gassama Alkaly, Institute of Physiology, UZH
 Gaul Daniel, Institute of Physiology, UZH
 Gehrig Saskia, Exercise Physiology UZH/ETHZ and Division of Neurology, USZ
 Krattinger Regina, Department of Clinical Pharmacology and Toxicology, USZ
 Linecker Michael, Division of Visceral and Transplant Surgery, USZ
 Lucchini Fabrizio, Endocrinology and Diabetology, Univ. Children's Hospital Zurich
 Meda Spaccamela Virginia, Division of Immunology and Haematology, University Children's Hospital Zurich
 Reiner Martin, Institute of Physiology, UZH
 Tymbarevich Irina, Division of Gastroenterology and Hepatology, USZ
 Velagapudi Srividya, Institute of Clinical Chemistry, USZ

Open PhD positions

→ [Hyperoxia-induced tissue damage – prevention and therapy with an endothelin-1 antagonist](#)

Intensive Care and Neonatology,
 University Children's Hospital Zurich

→ [Cell biology of the renal Fanconi syndrome](#)

Institute of Anatomy, UZH

→ [more open positions](#)

Recent publications

Bourgeois S, Capuano P, Stange G, Mühlemann R, Murer H, Biber J, Wagner CA: → [The phosphate transporter NaPi-IIa determines the rapid renal adaptation to dietary phosphate intake in mouse irrespective of persistently high FGF23 levels.](#) Pflugers Arch [Epub ahead of print], 2013

Calcinaghi N, Wyss MT, Jolivet R, Singh A, Keller AL, Winnik S, Fritschy JM, Buck A, Matter CM, Weber B: → [Multimodal Imaging in Rats Reveals Impaired Neurovascular Coupling in Sustained Hypertension.](#) Stroke [Epub ahead of print], 2013

Crucet M, Wüst SJ, Spielmann P, Lüscher TF, Wenger RH, Matter CM: → [Hypoxia enhances lipid uptake in macrophages: Role of the scavenger receptors Lox1, SRA, and CD36.](#) Atherosclerosis [Epub ahead of print], 2013

Díaz V, Gammella E, Recalcati S, Santambrogio P, Naldi AM, Vogel J, Gassmann M, Cairo G: → [Liver iron modulates hepcidin expression during chronically elevated erythropoiesis in mice.](#) Hepatology [Epub ahead of print], 2013

Ogunshola OO, Bogdanova AY: → [Epo and non-hematopoietic cells: what do we know?](#) Methods Mol Biol 982: 13-41, 2013

Patti M, Ghezzi C, Forster IC: → [Confering electrogenicity to the electroneutral phosphate cotransporter NaPi-IIc \(SLC34A3\) reveals an internal cation release step.](#) Pflugers Arch [Epub ahead of print], 2013

Sugano Y, Neuhauss SC: → [Reverse genetics tools in zebrafish: A forward dive into endocrinology.](#) Gen Comp Endocrinol 188: 303-8, 2013

Tiaden AN, Richards PJ: → [The Emerging Roles of HTRA1 in Musculoskeletal Disease.](#) Am J Pathol 182(5): 1482-8, 2013

Imprint

Zurich Center for Integrative Human Physiology (ZIHP), Winterthurerstr. 190, 8057 Zurich
 Editorial staff: Magdalena Seebauer, Evelyne Kloter, Heidi Preisig, and Max Gassmann
 URL: <http://www.zihp.uzh.ch>, E-Mail: info@zihp.uzh.ch, Tel +41 44 635 50 88/47

