

The 2nd CONFERENCE of POST-UP

Date: **February 17 – 18, 2015**

Venue: **Best Western Hotel Prachárna**

Křelovská 91, 779 00 Olomouc

PROGRAM

February 17, 2015

8.30–9.00 **Registration**

9.00–9.15 **Opening Ceremony, Prof. Mgr. Jaroslav Miller, M.A., Ph.D.**

Humanities and Applied Sciences

Venue: Room No. 1

9.15–9.30 Karoly Goda, Mag., M.A., Ph.D., Faculty of Arts, Department of History
„Eucharistic Processions in Fifteenth- and Sixteenth-Century Vienna“



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INVESTICE DO ROZVOJE VZDĚLÁVÁNÍ

- 9.30–9.45** Jitka Pavlišová, Mgr. Ph.D., Faculty of Arts, Department of Theatre and Film
„Studies Between Brno and Vienna. Valtice Palace Theatre and Bourgeois Drama at the End of 18th Century: Contexts and Intersections“
- 9.45–10.00** Petr Lyko, Mgr., Ph.D., Faculty of Arts, Department of musicology
„The research of musical culture in Krnov (1900–1938)“
- 10.00–10.30** **Coffee break**
- 10.30–10.45** Mgr. Martina Benešová, Ph.D., Faculty of Arts, Department of General Linguistics
„Menzerath-Altmann law elaborated“
- 10.45–11.00** Martina Číhalová, PhDr., Ph.D., Faculty of Arts, Department of Philosophy
„Relationship between formal and informal logic“
- 11.00–11.15** Daniel Dostál, PhDr. Ph.D, Faculty of Arts, Department of Psychology
„Mental Health and World-Class Creative Achievement“
- 11.15–11.30** Mgr. Lukáš Motyčka, Ph.D., Faculty of Arts, Department of German Studies
„Research on German literature at the Palacký University in Olomouc – Summary and Perspective“
- 11.30–11.45** Mirna Šolić, MA, PhD; Faculty of Arts, Department of Czech Language and Literature
„Postdoctoral Research Project „The Narrative Construction of Space: Outcomes“
- 11.45–12.00** Martin Chovančík, Mgr. Ph.D., Faculty of Arts, Department of Politics and European Studies
„Managing armed conflict with the use of arms embargoes“



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- 12.00–13.00** **Lunch**
- 13.00–13.15** Robert Zbiral, JUDr., Ph.D., Faculty of Law, Department of Political Science and Social Sciences
„Implementing EU Law in the Czech Chamber of Deputies: Special Position or Business as Usual?“
- 13.15–13.30** Olga Pouperová, JUDr., Ph.D., Faculty of Law, Department of Administrative Law and Financial Law
„Institutional Aspects of Media Law“
- 13.30–13.45** Gabriela Všeticková, Mgr. Ph.D., Faculty of Education, Department of Music Education
„Classroom composing in the educational process: Starting points, principles, creative approaches, benefits and possible application“
- 13.45–14.00** Brenda Peters, EdD, MEd, BEd(Hons), Faculty of Education, Institute of Special Education Studies
„A comparison of School principals attitudes towards children with SEN in regular schools“
- 14.00–14.15** Ferdinand, Salonna, Ph.D., Faculty of physical culture, Institute of active lifestyle
„Associations of Czech adolescents BMI with perceived environmental factors and physical activity“
- 14.15–14.30** Adrián Agricola, Mgr. Ph.D., Faculty of Physical Culture, Department of Natural Sciences in Kinanthropology
„Visual perception in the control of gait pattern in children at risk of developmental coordination disorder“
- 14.30–15.15** **Coffee break**



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8.30–9.00 Registration

9.00–9.15 Opening Ceremony, Prof. Mgr. Jaroslav Miller, M.A., Ph.D.

Natural Sciences and Medicine

Venue: Room No. 2

9.15–9.30 Filip Dyčka, Mgr., Ph.D., Faculty of Science, Centre of the Region Hana, Department of Protein Biochemistry and Proteomics

„Protein digestion using pseudotrypsin“

9–30–9.45 Peter Illés, RNDr., Ph.D., Faculty of Science, Department of Cell Biology and Genetics

„Development and Practical Application of PZ-TR a Novel Human Luciferase Reporter Cell Line for Assessment of Thyroid Receptor Transcriptional Activity“

9.45–10.00 Nuria De Diego, Dr., Centre of the Region Haná for Biotechnological and Agricultural Research, Faculty of Science, Department of Chemical Biology and Genetics,

„Phosphoglucose isomerase (PGI) as important mediator in proper functioning of Carbon metabolism and Cytokinin synthesis in Arabidopsis“

10.00–10.30 Coffee break

10.30–10.45 Ján Gurský, Ph.D., Faculty of Medicine and Dentistry, Institute of Molecular and Translational Medicine



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„DNA Damage Response Pathways in Cancer Development and Therapy“

10.45–11.00 Zdenka Navrátilová, Mgr. Ph.D., Faculty of Medicine and Dentistry, Department of Pathological Physiology

„Bronchoalveolar and circulating exosomal miRNAs in pulmonary sarcoidosis“

11.00–11.15 Marika Havlíková, RNDr., Ph.D., Faculty of Medicine and Dentistry, Institute of Molecular and Translational Medicine, Department of Medical Chemistry and Biochemistry

„Novel method for monitoring of methylglyoxal-mediated protein glycation“

11.15–11.30 Veronika Pivodová, Mgr., Ph.D. Faculty of Medicine and Dentistry, Institute of Molecular and Translational Medicine, Department of Medical Chemistry and Biochemistry

„The effect of dehydrosilybin and its galloyl derivatives on the angiogenesis“

11.30–11.45 Svatopluk, Binder, Mgr., Ph.D., Faculty of Medicine and Dentistry, Department of Medical Biophysics

„Photodynamic effect of 1,9 - Dimethyl methylene blue on HaCat cell line“

11.45–12.00 Patrik Mlynářčík, Ph.D., Faculty of Medicine and Dentistry, Department of Microbiology

„Serine starvation and antibiotics mediate the formation of persister cells in Pseudomonas aeruginosa“

12.00–13.00 **Lunch**

13.00–13.15 Radina Kralchevska, Ph.D., Faculty of Science, Regional Centre of Advanced Technologies and Materials

„Application of potassium ferrate(VI) for water treatment of certain inorganics“



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- 13.15–13.30** Kasibhatta Kumara Ramanatha Datta, Ph.D., Faculty of Science, Department of Physical Chemistry
„New Outlook on Iron and Carbon Nanomaterials“
- 13.30–13.45** Jason A. Permañ, Ph.D., Faculty of Science, Department of Physical Chemistry
„Pyrolysis of Metal-Organic Frameworks for Oxygen Reduction Reactions“
- 13.45–14.00** Matúš Dubecký, Ph.D., Faculty of Science, RPCTM, Department of Physical Chemistry
„Atomistic Modeling for Materials Design“
- 14.00–14.15** Pushpinder Singh, Ph.D., Faculty of Sciences, Department of Computer Science
„Fuzzy similarity measure and its applications“
- 14.15–14.30** Jana Gáliková, Ph.D., Faculty of Science, Regional Centre of Advanced Technologies and Materials, Department of Inorganic Chemistry
„Biologically interesting coordination compounds of 6-(ω -alkyl)oxy-9-deazapurine derivatives“
- 14.30–14.45** La Venia Agustina, Ph.D., Faculty of Science, Department of Organic Chemistry
- 14.45–15.15** **Coffee break**



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8.30–9.00 Registration

Natural Sciences

Venue: Room No. 1

9.00–9.15 Ana Gouveia, Ph.D., Faculty of Science, Department of Ecology and Environmental Sciences

„Altitudinal and geographical synchrony in cyclic animal populations“

9.15–9.30 Graeme, Oatley, Ph.D., Faculty of Science, Department of Zoology

„A molecular phylogeny of the harriers (Circus, Accipitridae) indicate the role of long distance dispersal and migration in diversification“

9.30–9.45 Christian T. Herbst, Ph.D., Faculty of Science, Department of Biophysics, Voice Research Lab.

„Assessment of vocal fold vibration with videokymography and related techniques“

9.45–10.00 Lenka Dzurová, RNDr., Ph.D., Faculty of Science, Department of Molecular Biology, Center of Region Hana for Biotechnological and Agricultural Research (CRH)

„Recombinant protein expression and crystallization“

10.00–10.30 Coffee break

10.30–10.45 Vadim Evseev, Ph.D., Faculty of Science, Department of Optics

„Mueller spectropolarimetry of polarization elements, isotropic and anisotropic reflecting surfaces“



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- 10.45–11.00** Alexander Shurupov, Ph.D., Faculty of Science, Department of Optics
„Reliable Sagnac-type source of entangled photons: Practical construction issues“
- 11.00–11.15** Kimin Park, Ph.D., Faculty of Science, Department of Optics
„Superposition of evolutions for light“
- 11.15–11.30** Michal Sedlák, Ph.D., Faculty of Science, Department of Optics
„Optimal entanglement-assisted discrimination of quantum measurements“
- 11.30–11.45** Yong Siah Teo, Ph.D., Faculty of Science, Department of Optics
„Recent developments on quantum estimation in a nutshell“
- 11.45–12.00** Elena Stepanova, Ph.D., Faculty of Science, Department of Algebra and Geometry
„On the existence of isoperimetric extremals of rotation and the fundamental equations of rotary diffeomorphisms“
- 12.00–13.00** **Lunch**

The conference is held within the project POST-UP, Reg. No. CZ.1.07/2.3.00/30.0004



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