

Semmelweis Symposium - 2018

New approaches in personalized medicine: From prenatal testing to targeted tumor therapy

Budapest, November 8-9, 2018

Basic Science Center, Semmelweis University, Budapest (Tűzoltó 37-43, Budapest, 1094, Hungary)

Chairperson: Prof. Péter Lakatos

8th November	
9.00-9.15	<i>Opening ceremony</i>
9.15-10.55	<i>Section I. – Personalized Oncology I.</i>
9.15-9.35	Personalized medicine: What does that mean? István Takács, Semmelweis University, Budapest, Hungary
9.35-9.55	Molecular biomarkers for the evaluation of colorectal cancer: Where are we now? Erika Tóth, Országos Onkológiai Intézet, Budapest, Hungary
9.55-10.15	Every breast cancer patient needs chemotherapy? Magdolna Dank, Semmelweis University, Budapest, Hungary
10.15-10.35	The role of RANK-RANKL in osteology and malignancies. Zsolt Nagy, Semmelweis University, Budapest, Hungary
10.35-10.55	The evolution of molecular pathology; precision medicine in practice. Chris Allen, ThermoFisher Scientific, UK
10.55-11.15	<i>Coffee Break</i>
11.15-12.55	<i>Section II. – Personalized Oncology II.</i>
11.15-11.35	The code and importance of liquid biopsy. Joao R. Carvalho, Biocartis, Mechelen, Netherlands
11.35-11.55	BRCA1/2 genes in clinical practice. Edit Oláh, National Institute of Oncology, Budapest, Hungary
11.55-12.15	The biology and application of cell-free nucleic acids in the clinical diagnosis. Bálint Nagy, Debrecen University, Debrecen, Hungary
12.15-12.35	Personalized approach to thyroid nodules. Juan Carlos Galofré, University of Navarra, Pamplona, Spain
12.35-12.55	Molecular diagnostics of thyroid cancers. Péter Lakatos, Semmelweis University, Budapest, Hungary
12.55-14.10	<i>Lunch</i>
14.10-15.20	<i>Section III. – Prenatal genetics</i>
14.10-14.40	Non-invasive prenatal testing (NIPT), MPS and SNP based NIPT, aneuploidy and single gene mutations. Costa Costides, Natera, San Carlos, CA, USA
14.40-15.00	Comparative genomic hybridization arrays or conventional karyotyping? Olga Török, Debrecen Egyetem, Debrecen, Hungary
15.00-15.20	Preimplantational diagnostics: designer babies? Péter Fancsovics, Semmelweis University, Budapest, Hungary
15.20-15.40	Graduated diagnosis and personalized therapy of rare diseases in pediatrics. György Fekete, Semmelweis University, Budapest, Hungary
15.40-16.00	<i>Coffee Break</i>
16.00-17.20	<i>Section IV. – Endocrinology / Osteology</i>
16.00-16.20	Sequential therapy of osteoporosis. Péter Lakatos, Semmelweis University, Budapest, Hungary

16.20-16.40	Treatment of diabetes by stem cells. Antony Gavalas, Dresden University of Applied Sciences, Dresden, Germany
16.40-17.00	Familial hypercholesterolemia – PCSK-9 inhibition. György Paragh, Debrecen University, Debrecen, Hungary
17.00-17.20	High throughput methods in the evaluation of tumorigenesis in endocrine tumors. Attila Patócs, Semmelweis University, Budapest, Hungary
19.00-22.00	<i>Official Dinner Event (River Danube Experience)</i>
9th November	
9.00-10.40	<i>Section V. – Hematology</i>
9.00-9.20	BITE-ing in the leukemia. Judit Demeter, Semmelweis University, Budapest, Hungary
9.20-9.40	Personalized diagnostics and therapy in oncohematological malignancies. Csaba Bödör, Semmelweis University, Budapest, Hungary
9.40-10.00	NGS in hematology. Torsten Haferlach, Münchner Leukämie Labor, München, Germany
10.00-10.20	Chimeric Antigen Receptor (CAR) T-Cell Therapy in hematology. Tamás Masszi, Semmelweis University, Budapest, Hungary
10.20-10.40	Virus-specific T cell therapy in allogeneic hematopoietic stem cell transplantation. Krisztián Kállay, Dél-Pesti Medical Center and National Institute for Hematology and Infectology, Budapest, Hungary
10.40-11.00	<i>Coffee Break</i>
11.00-13.00	<i>Section VI. – Rare diseases</i>
11.00-11.20	Langerhans cell histiocytosis – from inflammation to malignancy. Michael Girschikofsky, Ordensklinikum, Linz, Austria
11.20-11.40	Ending the diagnostic odyssey of rare diseases: NGS in the clinic. Kristóf Árvai, Semmelweis University, Budapest, Hungary
11.40-12.00	Enzyme replacement therapies for lysosomal storage diseases. Francisca Coutinho, National Health Institute Doutor Ricardo Jorge, Lisbon, Portugal
12.00-12.20	Live and let die. What genetics can offer for patients with cardiac disease: blessing or damn? Gábor Uzonyi, Uzsoki Hospital, Budapest, Hungary
12.20-12.40	Whole exome sequencing in the management of rare diseases. Judit Mária Molnár, Semmelweis University, Budapest, Hungary
12.40-13.40	<i>Lunch</i>
13.40-15.20	<i>Section VII. – Emerging Techniques</i>
13.40-14.00	Cell metabolism revealed: Agilent Seahorse XF, Svetoslav Kalaydiev, Agilent, Stockport, UK
14.00-14.20	CRISPR / Base editing. Marie-Christine Birling, Institute Clinique de la Souris, Illkirch-Graffenstaden, France
14.20-14.40	Lessons from limb regeneration in salamanders. Dunja Knapp, DFG- Center for Regenerative Therapies Dresden, Dresden, Germany
14.40-15.00	The next generation of digital optical barcode technology; innovations in spatially resolved multi-analyte profiling and library free NGS - Christoph König, NanoString, University of Köln, Cologne, Germany
15.00-15.10	<i>Closing remarks by Prof. Peter Lakatos</i>