

**Pázmány Péter Catholic University
Semmelweis University
Bionics Innovation Center, Hungary
and Hungarian Society for
Experimental and Clinical Pharmacology**



**FIRST JOINT
CONFERENCE OF
FROM MEDICINE TO BIONICS
3RD EUROPEAN PHD CONFERENCE;
INTERNATIONAL CONFERENCE
ON BIO-IMAGING;
6TH MEETING OF THE PAUL EHRlich
MEDCHEM EURO-PHD NETWORK
MUTALIG COST ACTION
(CA 15 135) MEETING**

PROGRAM

November 17-20, 2016 | Budapest, Hungary
Hotel Novotel Budapest Danube

CO-CHAIRS

PÉTER MÁTYUS

(Semmelweis University; Bionics Innovation Center)

KÁROLY RÁCZ

(Semmelweis University; Bionics Innovation Center)

SZABOLCS SZUROMI

(Pázmány Péter Catholic University)

SZÉCHENYI 2020



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NEMZETI KUTATÁSI,
FEJLESZÉSI ÉS
INNOVÁCIÓS ALAP
KUTATÁSOK ÉS
INNOVÁCIÓK



MAGYARORSZÁG MEGÚJUL

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Chemical Works of Gedeon Richter Plc.



GEDEON RICHTER

Info-Bionics Association (Hungary)



FROM MEDICINE TO BIONICS
3RD EUROPEAN PHD CONFERENCE
17 November, 2016 | Thursday

08:00-09:00 **Registration (Poster setup)**

09:00-09:30 **Opening ceremony**

Szabolcs Szuromi

Rector, Péter Pázmány Catholic University, Budapest

CHAIR: KRISTÓF KARACS

09:30-10:00 **Invited lecture I.**

An inside job: molecular regulation of thyroid hormone action in translational perspective

Balázs Gereben

MTA KOKI, Hungary

10:00-10:30 **Invited lecture II.**

Big data and cloud

Szilvia Rácz

Wigner Research Centre for Physics, Hungary

10:30-11:00 **Invited lecture III.**

Biomechanics and mechanobiology of spine surgery: the role of computer simulations

Áron Lazáry, Péter E. Éltés, Péter P. Varga

National Center for Spinal Disorders, Hungary

11:00-11:30 **COFFEE BREAK**

11:30-12:00 **Invited lecture IV.**

Photonic applications of biomaterials

András Dér

MTA Biological Research Centre; Bionics Innovation Center, Hungary

12:00-12:30 **Invited lecture V.**

Development of an LOC system for food-borne pathogen detection

Kristóf Iván

Pázmány Péter Catholic University; Bionics Innovation Center, Hungary

12:30-13:00 **Invited lecture V.**
Application of liquid chromatography-tandem mass spectrometry for the multiplexed ultra-sensitive analysis of endogenous substances in biological specimens
Gellért Karvaly
Semmelweis University, Bionics Innovation Center

CHAIR: GELLÉRT KARVALY

13:00-13:30 **Invited lecture VII.**
Intelligent Visual Assistance: How to leverage Machine Vision for Visually Impaired People
Kristóf Karacs
Pázmány Péter Catholic University; Bionics Innovation Center, Hungary

13:30-14:30 **LUNCH**

CHAIR: PÉTER MÁTYUS

14:30-15:15 **Keynote lecture I.**
Computation-guided ligand discovery and functional mechanism studies for human proteins
Hao Fan
A* Star, Singapore

15:15-15:45 **Poster discussion I.**
Chair: Kristóf Iván
Pázmány Péter Catholic University; Bionics Innovation Center, Hungary

15:45-16:15 **COFFEE BREAK**

16:15-16:45 **Poster discussion II.**
Chair: Kristóf Iván
Pázmány Péter Catholic University; Bionics Innovation Center, Hungary

16:45-17:30 **Keynote lecture II.**
Integrated Biochips for Molecular Diagnostics
Hsueh-Chia Chang
University of Notre Dame, USA

17:30-18:00 **Closing remarks**

18:00-21:00 **WELCOME RECEPTION**

INTERNATIONAL CONFERENCE
ON BIO-IMAGING
18 November, 2016 | Friday

08:00-09:00 **Registration**

09:00-09:30 **Opening ceremony**

CHAIR: GÁBOR RUDAS

09:30-10:00 **Invited lecture I.**
Minus - Citius - Melior! The Olympic Motto in
Radiopharmaceutical Sciences
Wolfgang Wadsak, Markus Mitterhauser
Medical University of Vienna, Austria

10:00-10:30 **Invited lecture II.**
Fluorescent dyes and reporter genes for multimodal
tomographic imaging
Manfred Ogris
University of Vienna, Austria

10:30-11:00 **Invited lecture III.**
Combined optical and computed tomography - next level of in
vivo analysis of preclinical models of metastasis
Sebastian Gehrig
University of Vienna, Austria

11:00-11:30 **COFFEE BREAK**

11:30-12:00 **Invited lecture IV.**
Proton NMR spectroscopy for human application
Gábor Rudas
Semmelweis University, Hungary

12:00-12:30 **Invited lecture V.**
Role of nuclear medicine in preclinical and clinical studies
László Galuska
University of Debrecen, Hungary

12:30-13:00 **Closing remarks**

13:00-14:00 **LUNCH**

6TH MEETING OF THE PAUL EHRLICH MEDCHEM EURO-PHD NETWORK

18 November, 2016 | Friday

13:00-14:00 **Registration** (Poster setup)

14:00-14:15 **Opening ceremony**

CHAIR: JULIO ALVAREZ BULLA

14:30-15:00 **Keynote (invited) lecture I.**
Simultaneous inhibition of MAO-B and oxidative stress induced pathological dopamine release: a novel strategy to combat Parkinson's disease

Beáta Sperlág

MTA KOKI, Hungary

15:00-14:45 **Invited lecture I.**
Beatriz Pascual-Teresa
University San Pablo CEU, Spain

15:45-16:15 **P Ehrlich Award Presentation**

16:15-16:45 **COFFEE BREAK**
POSTER SESSION

16:45-18:15 **Round Table Discussion**
The Role of Networking in doctoral education in medicinal chemistry

Chair: **Stefano Alcaro**

University „Magna Graecia” of Catanzaro, Italy

Julio Alvarez-Builla

Alcalá University, Spain

Hao Fan

A*Star, Singapore

Danijel Kikelj

University of Ljubljana, Slovenia

Katarzyna Kieć-Kononowicz

Jagellonian University, Poland

18:30-19:00 **Board Meeting**

19:00-20:00 **WELCOME RECEPTION**

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