

“Advances in Biomedical Research IV”

October 4th-9th 2021

Programme

October 4. (Monday) 2021.

17:00 - 18:00	Arrival & Registration
18:15 - 18:20	INTRODUCTION of the Speaker <i>by Igor Stagljjar</i>
18:20 - 19:00	“Instability of the epigenome” - <i>The EMBO Keynote Lecture</i> <i>René Medema, Netherlands Cancer Institute, Amsterdam, The Netherlands</i>
19:00 - 21:00	Songs, Mediterranean food and wine

October 5. (Tuesday) 2021.

09:00 - 12:10	Session #1
SESSION CHAIR:	Eric Brown, McMaster University, Hamilton, Canada
09:00 - 09:35	"Optogenetic control of mitotic spindle proteins" <i>Iva Tolic, Institute Rudjer Boskovic, Zagreb, Croatia</i>
09:35 - 10:10	"Lymphatics and cancer" <i>Mihaela Skobe, Icahn School of Medicine, Mount Sinai Hospital, New York, USA</i>
10:15 - 11:00	Coffee break
11:00 - 11:35	"Current questions in prion science" {VIRTUAL TALK} <i>Adriano Aguzzi, University of Zurich, Switzerland</i>
11:35- 12:10	“Viewing the Metabolic Syndrome from Kidney Stones” <i>Orson Moe, University of Texas Southwestern Medical Center, Dallas, USA</i>
12:10 - 13:00	1st WORKSHOP – WOMEN IN SCIENCE Moderator: Igor Štagljjar & Mladen Merćep <i>Panel Members: Iva Tolic, Mihaela Skobe, Katarina Trajkovic, Ivana Carev</i>
13:00 - 14:00	Lunch
14:00 - 17:30	Free activities
17:30 – 19:45	Session #2
SESSION CHAIR:	Bernd Wollscheid, ETH Zurich, Switzerland
17:30 - 18:05	“Novel live cell-based screening technologies for identification of precision drugs against non-small cell lung cancer” <i>Igor Stagljjar, University of Toronto, Canada</i>
18:05 - 18:40	“Strategies to overcome adaptive resistance to targeted cancer therapies” <i>Poulikos Poulikakos, Icahn School of Medicine, Mount Sinai Hospital, New York, USA</i>
18:40 - 19:15	"Sigma 1 receptor - role in neuronal signaling and in neurodegeneration" <i>Ilya Bezprozvanny, University of Texas Southwestern Medical Center, Dallas, USA</i>
19:15 - 19:45	" Cellular Plasticity in Cancer " {VIRTUAL TALK} <i>Lynne Postovit, Queens University, Kingston, Canada</i>
20:00 - 21:00	Dinner

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October 6. (Wednesday) 2021.

09:00 – 12:25	Session #3
SESSION CHAIR:	Iva Tolić, Institute Rudjer Boskovic, Zagreb, Croatia
09:00 - 09:35	"Oncogene-mediated signaling in transgenic mouse models of human breast cancer" <i>William Muller, McGill University, Montreal, Canada</i>
09:35 - 10:10	"Game Changer: cell free DNA"? <i>Bernhard Zimmermann, Natera Inc, San Carlos, USA</i>
10:10 - 10:45	“Association with proteasome determines pathogenic threshold of polyglutamine expansion diseases” <i>Meewhi Kim, University of Texas Southwestern Medical Center, Dallas, USA</i>
10:45 - 11:15	<i>Coffee break</i>
11:15 - 11:50	"Metabolic choice in an unfolding world" <i>Anita Krisko, University Medical Center, Göttingen, Germany</i>
11:50 - 12:25	“Antibody-Conjugates as Protein Switches for Therapeutics and Diagnostics” <i>Shawn Owen, University of Utah, Salk Lake City, USA</i>
13:00 - 14:00	<i>Lunch</i>
14:00 - 18:00	<i>Free activities</i>
18:00 - 22:00	<i>City Tour and dinner in town (optional)</i>

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October 7. (Thursday) 2021.

09:00 – 11:20	Session #4
SESSION CHAIR	Katarina Trajkovic, MedILS, Split, Croatia
09:00 - 09:35	"Light-mediated discovery of surfaceome nanoscale organization and intercellular receptor interaction networks" <i>Bernd Wollscheid, ETH Zurich, Switzerland</i> Lecture sponsored by the Journal of Molecular Biology
09:35 - 10:10	"A non-coding single nucleotide polymorphism at 8q24 drives IDH1-mutant glioma formation" <i>Daniel Schramek, Mount Sinai Hospital, Toronto, Canada</i>
10:10 - 10:45	"Mitochondrial Biology and Cancer: Contributions and Consequences" <i>Jerry Chipuk, Icahn School of Medicine, Mount Sinai Hospital, New York, USA</i>
10:45 - 11:20	"Detection and characterization of carbonylated proteins" <i>Mladen Merćep MedILS, Split/ Srebrnjak children's hospital, Zagreb, Croatia</i>
11:20 - 13:00	Poster session I / Coffee break
13:00 - 14:00	Lunch
14:00 - 17:30	Free activities
17:30 - 19:50	Session #4
SESSION CHAIR:	Anita Krisko, University Medical Center, Göttingen, Germany
17:30 - 18:05	"Bugs, drugs and cell systems" <i>Eric Brown, McMaster University, Hamilton, Canada</i>
18:05 - 18:40	"TBA" <i>Miroslav Radman, MedILS, Split, Croatia</i>
18:40 - 19:15	"Regulation of signaling in inflammatory diseases by RIP kinases" {VIRTUAL TALK} <i>Domagoj Vučić, Genentech, South San Francisco, CA, USA</i>
19:15 - 19:50	"Translational and metabolic perturbations in neoplasia" {VIRTUAL TALK} <i>Ivan Topisirovic, McGill Univesrity, Montreal, Canada</i>
20:00 - 21:00	Dinner

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October 8. (Friday) 2021.

09:00 – 11:45	Session #5
SESSION CHAIR:	Bernhard Zimmermann, Natera Inc, San Carlos, USA
09:00 – 09:35	Neuroinflammation and brain pathology following congenital cytomegalovirus infection“ <i>Ilija Brizić, University of Rijeka, Croatia</i>
09:35 – 10:10	"Cellular parabiosis in aging" <i>Katarina Trajkovic, MedILS, Split, Croatia</i>
10:10 – 10:45	“Exploring the epigenomic context of mutational processes” {VIRTUAL TALK} <i>Rosa Karlic, Faculty of Science, University of Zagreb, Croatia</i>
10:45 – 11:00	Real-time analysis of cellular metabolism with Agilent's Seahorse XF technology <i>Svetoslav Kalaydjiev, Agilent Technologies</i>
11:00 – 11:05	Closing Lecture INTRODUCTION of the Speaker <i>by Igor Stagljjar/Miroslav Radman</i>
11:05 – 11:45	"Structural basis of SARS-CoV-2 translational shutdown and programmed ribosomal frameshifting“ <i>Nenad Ban, ETH Zurich, Switzerland</i>
13:00 - 14:30	<i>Lunch</i>
14:30 - 19:00	<i>Free activities</i>
19:00 - 23:00	<i>Conference Banquet</i>

October 9. (Saturday) 2021.

Departure