

## Tentative Program

# Annual International Conference on **Molecular and Cell Biology**

April 14-15, 2025 | Prague, Czech Republic



## **VENUE:**

**Hotel: Novotel Praha**

**Address: Wenceslas Square  
Kateřinská 38, 120 000 Praha  
2, Czechia**

<https://aicmcb2025.synergiasummits.com/>

09:00-09:15 Registrations & Badge Pick Up

09:15-09:30 Opening Ceremony

### Plenary Talks

09:30-10:10 Title: Cytogenetics of Early Human Development Including Diagnosis in IVF

**Darren Griffin**, University of Kent, UK

10:10-10:50 Title: Melatonin in mitochondria: Implication for diseases

**Russel J. Reiter**, UT Health San Antonio, USA

10:50-11:05

Coffee Break

11:05-11:45 Title: Does water structure and organization play a role in mechanobiology?

**Dietmar W. Hutmacher**, Queensland University of Technology, Australia

11:45-12:25 Title: Watching single molecules of DNA repair proteins interact with damaged sites and nucleosomes in real-time.

**Bennett Van Houten**, University of Pittsburgh, USA

12:25-13:05 Title: To be confirmed.

**Bernd Kaina**, University Medical Center, Germany

13:05-13:10

Group Photograph

13:10-14:00

Lunch Break

### Keynote Talks

14:00-14:30 Title: Exciting Hematopoietic Stem Cells

**Roi Gazit**, Ben-Gurion University of the Negev, Israel

14:30-15:00 Title: Inhibition of mRNA Nuclear Export Promotes SARS-CoV-2 Pathogenesis

**Beatriz Fontoura**, University of Texas Southwestern Medical Center, USA

15:00-15:30 Title: Nociception and pain in humans lacking functional TRPV1 channel

**Baruch Minke**, Hebrew University, Israel

15:30-16:00 Title: Genetic control of apoptosis-induced proliferation in Drosophila

**Andreas Bergmann**, UMass Chan Medical School, USA

16:00-16:15

Coffee Break

- 16:15-16:45 Title: Will be updated soon  
**Michael Sherman**, Ariel University, Israel
- 16:45-17:15 Title: Will be updated soon  
**Vanessa Sperandio**, University of Wisconsin, USA

End of Day-1

Day 2

March 13, 2025 | Thursday  
Meeting Room: SALA1

Invited Talks

- 09:30-09:55 Title: Formulation and delivery of nutraceuticals for emerging medical applications  
**Andreas M Papas**, Antares Health Products, Inc, USA
- 09:55-10:20 Title: Sequence Features and Evolutionary Constraints in Long Non-coding RNAs  
**Yoko Matsuno**, Niigata University Medical & Dental Hospital, Japan
- 10:20-10:45 Title: Intersectional mapping of Glutamate/GABA co-transmission neurons in the brain  
**Yongling Zhu**, Northwestern University, USA

10:45-11:00

Coffee Break

- 11:00-11:25 Title: Recent achievement in Weed Genomic is contributing to weed biology knowledge and weed control  
**Roland Beffa**, Senior Scientist Consultant, Germany
- 11:25-11:50 Title: Pay more for having less: A minimal lipidome enhances metabolic heat from synthetic minimal cells  
**Karim Fahmy**, Helmholtz-Zentrum Dresden-Rossendorf, Germany
- 11:50-12:15 Title: The Molecular Chaperone SlyD: From Basic Structural Research to Marketed Pharmaceutical Products  
**Jochen Balbach**, Martin Luther University Halle-Wittenberg, Germany
- 12:15-12:40 Title: Molecular Targets for Novel Analgesics in Lupus-Induced Chronic Pain  
**Hna-RongWeng**, California Northstate University, USA

12:40:13:05 Title: Challenges in mitochondrial functional diagnostics - high-resolution respirometry and precision OXPHOS analysis  
**Erich Gnaiger**, Oroboros Instruments, Austria

13:05-14:00 Lunch Break

14:00-14:25 Title: Magnetic Nanoparticle-based platforms to treat cancer and awake the immune system  
**Teresa Pellegrino**, Italian Institute of Technology, Italy

14:25-14:50 Title: Protein is an Intelligent Micelle  
**Irena K Roterman**, Jagiellonian University, Poland

Slots Are Available

Poster Presentations

P001 Title: Knockdown Proteomics Reveals USP7 As a Regulator of Cell-cell Adhesion in Colorectal Cancer via AJUBA  
**Ahood Aleidan**, Imam Abdulrahman Bin Faisal University, Saudi Arabia

P002 Title: Will be updated soon  
**BO SUN**, ShanghaiTech University, China

Slots Are Available