

# The FEBS Congress 2020 - Ljubljana, Slovenia

## Saturday, 2020/7/4

Kocka Hall

17:30 - 18:00 Opening Ceremony

Social Program

18:00 - 19:00 Opening Plenary Lecture

Plenary Lectures

18:00 - 19:00

Richard Roberts (USA)

Other location

19:00 - 20:30 Welcome Reception (Foyer)

Social Program

## Sunday, 2020/7/5

Kocka Hall

09:00 - 11:00 Autophagy and Protein Recycling

Symposia

**Chairs:** Patrizia Agostinis (BE) Nektarios Tavernarakis (GR)

09:00 - 09:30

Noboru Mizushima (Japan)

09:00 - 09:30

Patricia Agostinis (Belgium)

09:00 - 09:30

Nektarios Tavernarakis (Greece)

11:30 - 12:30 FEBS Sir Hans Krebs Lecture

Plenary Lectures

11:30 - 12:30

David Baulcombe (United Kingdom)

14:30 - 15:30 EMBO Lecture

Plenary Lectures

14:30 - 15:30

Guido Kroemer (France)

16:00 - 18:00 Proteolytic Processing

Symposia

**Chairs:** Boris Turk (SI) Seamus J Martin (IE)

16:00 - 16:30

Seamus J Martin (Ireland)

16:00 - 16:30

Irit Sagi (Israel)

# The FEBS Congress 2020 - Ljubljana, Slovenia

16:00 - 16:30

Boris Turk (Slovenia)

## Marmorna Hall A

09:00 - 11:00 Genome Structure and Regulation

Symposia

**Chairs:** Đurđica Ugarković (HR) Ferran Azorín (ES)

09:00 - 09:30

Claire Francastel (France)

09:00 - 09:30

Đurđica Ugarković (Croatia)

09:00 - 09:30

Ferran Azorín (Spain)

16:00 - 18:00 RNA Function

Symposia

**Chairs:** Štěpánka Vaňáčková (CZ) Jernej Ule (UK)

16:00 - 16:30 **Systems-level understanding of protein–RNA complexes in stem cell differentiation**  
Jernej Murn (USA)

16:00 - 16:30

Jernej Ule (UK)

16:00 - 16:30 **RNA methylation in nuclear pre-mRNA processing**  
Štěpánka Vaňáčková (Czech Republic)

18:00 - 19:00 Speed Talk Session 1

Speed Talks

## Marmorna Hall B

09:00 - 11:00 Molecular Evolution and Phylogenetics

Symposia

**Chairs:** Damjan Franjević (HR) William Martin (DE)

09:00 - 09:30

William Martin (Germany)

09:00 - 09:30

Tomislav Domazet-Lošo (Croatia)

10:00 - 10:30

Ivan Mijaković (Denmark)

16:00 - 18:00 Epigenetics

Symposia

**Chairs:** Oliver Vugrek (HR) Christof Niehrs (DE)

16:00 - 16:30

Tiziana Bonaldi (Italy)

16:00 - 16:30

Christof Niehrs (Germany)

16:00 - 16:30

Zdenko Herceg (France)

18:00 - 19:00 Speed Talk Session 2

Speed Talks

# The FEBS Congress 2020 - Ljubljana, Slovenia

## Gallery Hall

08:00 - 09:00 Early Bird Session I: NGS is Everywhere

Early Bird Sessions

**Chair:** Tadeja Režen (SI)

09:00 - 11:00 Protein Biosynthesis and Expansion of the Genetic Code

Symposia

**Chairs:** Ita Gruic Sovulj (HR) Jason Chin (UK)

09:00 - 09:30

Jason Chin (UK)

09:00 - 09:30

Tzachi Pilpel (Israel)

09:00 - 09:30

Ita Gruic Sovulj (Croatia)

16:00 - 18:00 Protein Localization and Dynamics

Symposia

**Chairs:** Maja Herak Bosnar (HR) Anna Akhmanova (NL)

16:00 - 16:30

Antonella De Matties (Italy)

16:00 - 16:30

Anna Akhmanova (The Netherlands)

16:00 - 16:30

Igor Weber (Croatia)

18:00 - 19:00 Workshop: European Research Infrastructure and Initiatives

Special Sessions & Workshops

18:00 - 18:30 **EU-PEARL: Changing the paradigm of clinical trials in Europe**

Fátima Núñez, Barcelona, Spain

## Povodni mož Hall

09:00 - 11:00 Protein Folding and Misfolding

Symposia

**Chairs:** Nataša Poklar Ulrich (SI) Franz-Ulrich Hartl (DE)

09:00 - 09:30

**Rational design of oligomer-specific antibodies as diagnostic tools for Alzheimer's and Parkinson's diseases**

Michele Vendruscolo (UK)

09:00 - 09:30

**Chaperone Mechanisms in Protein Folding**

Franz-Ulrich Hartl (Germany)

09:00 - 09:30

**Protein Folding, Misfolding and Association in vivo**

Simon Ebbinghaus (Germany)

16:00 - 18:00 FEBS Special Session on Research and Career Skills

Special Sessions & Workshops

# The FEBS Congress 2020 - Ljubljana, Slovenia

18:00 - 19:00 Structural Biology Workshop: How to improve results, presentation and write a better paper

Special Sessions & Workshops

18:00 - 18:20

Alexander Wlodawer, Frederick, USA

18:20 - 18:40

Joel L. Sussman, Rehovot, Israel

18:40 - 19:00

Jaime Prilusky, Rehovot, Israel

Other location

11:00 - 11:30 Coffee Break (Hall A)

Coffee Break

12:30 - 14:30 Lunch & Poster Sessions (Hall A)

Lunch & Poster Sessions

15:30 - 16:00 Coffee Break (Hall A)

Coffee Break

## Monday, 2020/7/6

Kocka Hall

09:00 - 11:00 New Approaches in Structure Determination

Symposia

**Chairs:** Dusan Turk (SI) Wolfgang Baumeister (DE)

09:00 - 09:30

**Structural Biology in situ - The promise and challenges of cryoelectron tomography**

Wolfgang Baumeister (Germany)

09:00 - 09:30

**Serial X-ray diffraction for macromolecular structure**

Henry Chapman (Germany)

09:00 - 09:30

**Determining and reaching physical limits in electron cryomicroscopy**

Christopher J Russo (UK)

11:30 - 12:30 FEBS 2020 Plenary Lecture

Plenary Lectures

11:30 - 12:30

Nenad Ban (Switzerland)

14:30 - 15:30 FEBS/EMBO Women in Science Award Lecture

Plenary Lectures

14:30 - 15:30

16:00 - 18:00 Bionanotechnology

Symposia

**Chairs:** Gregor Anderluh (SI) Hagan Bayley (UK)

16:00 - 16:30

**Engineered proteins pores for transmembrane signaling**

Hagan Bayley (UK)

# The FEBS Congress 2020 - Ljubljana, Slovenia

16:00 - 16:30 **Towards the buildup of magic bullet: multifunctional nanostructures for cancer diagnostics and treatment**

Victoria Shipunova (Russia)

16:00 - 16:30 **DNA nanobiotechnology on lipid membranes**

Ulrich F. Keyser (UK)

## Marmorna Hall A

09:00 - 11:00 **Neurobiochemistry**

Symposia

**Chairs:** Zrinka Kovarik (HR) Jean-Pierre Changeux (FR)

09:00 - 09:30

Karl W.K. Tsim (Hong Kong)

09:00 - 09:30

Ana M Sebastião (Portugal)

09:00 - 09:30

Jean-Pierre Changeux (France)

16:00 - 18:00 **Designed Regulatory Circuits and Genome Editing**

Symposia

**Chairs:** Roman Jerala (SI) Martin Fussenegger (CH)

16:00 - 16:30 **Design principles of regulatory networks**

Naama Barkai (Israel)

16:00 - 16:30 **Synthetic genomics and regulatory circuits in yeast**

Tom Ellis (UK)

16:00 - 16:30 **Designed therapeutic mammalian cell regulatory circuits**

Martin Fussenegger (Switzerland)

18:00 - 19:00 **Speed Talk Session 3**

Speed Talks

## Marmorna Hall B

09:00 - 11:00 **Imaging for Life: From Molecules to Organisms**

Symposia

**Chairs:** Robert Zorec (SI) Ling-Gang Wu (US)

09:00 - 09:30 **Superresolution imaging of the extracellular space in live brain tissue**

Jan Tønnesen (Spain)

09:00 - 09:30 **Illuminating membrane structural dynamics of fusion and endocytosis**

Ling-Gang Wu (USA)

09:00 - 09:30 **Imaging the length of a single vesicular SNARE protein and its role in fusion pore regulation**

Jernej Jorgačevski (Slovenia)

16:00 - 18:00 **Structures of Nucleic Acids**

Symposia

**Chairs:** Janez Plavec (SI) Harald Schwalbe (DE)

16:00 - 16:30 **NMR studies of structure and dynamics of RNA**

Harald Schwalbe (Germany)

16:00 - 16:30 **G-quadruplexes and i-motifs**

Jean-Louis Mergny (France)

# The FEBS Congress 2020 - Ljubljana, Slovenia

16:00 - 16:30 **G-quadruplexes and G-quadruplex ligands: targets and tools in antiviral therapy**  
Sara Richter (Italy)

18:00 - 19:00 Speed Talk Session 4

Speed Talks

Gallery Hall

08:00 - 09:00 Early Bird Session II: How to Improve  
Immunotherapy of Cancer  
**Chair:** Maja Čemažar (SI)

Early Bird Sessions

09:00 - 11:00 Membranes  
**Chairs:** Igor Križaj (SI) Christian Eggeling (DE)

Symposia

09:00 - 09:30  
Elina Ikonen (Finland)

09:00 - 09:30  
Christian Eggeling (Germany)

09:00 - 09:30  
Ünal Coskun (Germany)

16:00 - 18:00 FEBS Special Session on Science and Society

Special Sessions &  
Workshops

18:00 - 19:00 YSF Workshop

Special Sessions &  
Workshops

Povodni mož Hall

09:00 - 11:00 Receptor-Ligand interactions  
**Chairs:** Kristina Sepčić (SI) Jan Tytgat (BE)

Symposia

09:00 - 09:30  
Sylvie Diochot (France)

09:00 - 09:15  
Jan Tavernier (Belgium)

09:00 - 09:30  
David Craik (Australia)

09:00 - 09:30  
Jan Tytgat (Belgium)

16:00 - 18:00 FEBS Special Session on Gender Issues in Science

Special Sessions &  
Workshops

# The FEBS Congress 2020 - Ljubljana, Slovenia

Other location

11:00 - 11:30 Coffee Break (Hall A)

Coffee Break

12:30 - 14:30 Lunch & Poster Sessions (Hall A)

Lunch & Poster Sessions

15:30 - 16:00 Coffee Break (Hall A)

Coffee Break

20:00 - 21:00 Science on the street 1

Special Sessions &  
Workshops

20:00 - 20:45 **Vpliv plastike in mikroplastike na organizme v naravnem okolju/ The impact of plastics and microplastics on living organisms**  
Oliver Bajt

## Tuesday, 2020/7/7

Kocka Hall

09:00 - 11:00 Stem Cells and Regenerative Medicine

Symposia

**Chairs:** Miomir Knežević (SI) Stephen Minger (UK)

09:00 - 09:30

Henrik Semb (Denmark)

09:00 - 09:30

**Clinical progress in stem cell therapy for age-related macular degeneration**

Pete Coffey (UK/USA)

09:00 - 09:30

Agota Apati (Hungary)

09:00 - 09:30

Andras Nagy (Canada)

11:30 - 12:30 IUBMB Lecture

Plenary Lectures

11:30 - 12:30

Hermona Soreq (Israel)

14:30 - 15:30 FEBS Education Plenary Lecture

Plenary Lectures

14:30 - 15:30

Bruce Alberts (USA)

16:00 - 18:00 New Frontiers in Medicinal Chemistry

Symposia

**Chairs:** Marijeta Kralj (HR) Stanislav Gobec (SI)

16:00 - 16:30

Maria Laura Bolognesi (Italy)

# The FEBS Congress 2020 - Ljubljana, Slovenia

16:00 - 16:30

Stanislav Gobec (Slovenia)

16:00 - 16:30

Christa Müller (Germany)

## Marmorna Hall A

09:00 - 11:00 Plant Biotechnology

Symposia

**Chairs:** Maja Ravnikar (SI) Mario Pezzotti (IT)

09:00 - 09:30 **Optimizing plant synthetic biology**

Nicola Patron (UK)

09:00 - 09:30 **Novel approaches in crop diagnostics**

Neil Boonham (UK)

09:00 - 09:30 **Plasticity of grapes**

Mario Pezzotti (Italy)

16:00 - 18:00 Molecular Machines

Symposia

**Chairs:** Brigita Lenarčič (SI) Kristina Djinović Carugo (AT)

16:00 - 16:30

Kristina Djinović Carugo (Austria)

16:00 - 16:30

Alessandro Vannini (UK)

16:00 - 16:30

Jan Löwe (UK)

18:00 - 19:00 Speed Talk Session 5

Speed Talks

## Marmorna Hall B

09:00 - 11:00 Immunotherapy

Symposia

**Chairs:** Janoš Terzić (HR) Stefan Rose-John (DE)

09:00 - 09:30

Stefan Rose-John (Germany)

09:00 - 09:30

Manolis Pasparakis (Germany)

09:00 - 09:30

Julia Kargl (Austria)

16:00 - 18:00 Mechanisms of Microbiome-Host Interactions

Symposia

**Chairs:** Maja Rupnik (SI) Harry Sokol (FR)

16:00 - 16:30 **Gut microbiota regulation of metabolism in health and disease**

Harry Sokol (France)

16:00 - 16:30 **Health effects of microbiota mediated by food transformations**

Mirjana Rajilic-Stojanovic (Serbia)



# The FEBS Congress 2020 - Ljubljana, Slovenia

16:00 - 16:30 **Methodological approaches to study microbiome functions**  
David Berry (Austria)

18:00 - 19:00 Speed Talk Session 6

Speed Talks

Gallery Hall

08:00 - 09:00 Early Bird Session III: New Approaches in  
Medicinal Chemistry  
**Chair:** Iztok Turel (SI)

Early Bird Sessions

09:00 - 11:00 Pharmacogenomics and Biomarkers  
**Chairs:** Jerka Dumić (HR) Magnus Ingelman-Sundberg (SE)

Symposia

09:00 - 09:30  
Ira Skvortsova (Austria)

09:00 - 09:30  
Magnus Ingelman-Sundber (Sweden)

09:00 - 09:30  
Tomris Ozben (Turkey)

16:00 - 18:00 FEBS Special Session on Education I

Special Sessions &  
Workshops

18:00 - 19:00 FEBS Networking workshop

Special Sessions &  
Workshops

Povodni mož Hall

09:00 - 11:00 Biochemistry of Toxins  
**Chairs:** Maja Šegvić Klarić (HR) Isabelle Oswald (FR)

Symposia

09:00 - 09:30  
Isabelle Oswald (France)

09:00 - 09:30  
Sergej Zakharov (Czech Republic)

09:00 - 09:30  
Ornella Rossetto (Italy)

16:00 - 18:00 Bioinformatics and Computational Biology  
**Chairs:** Kristian Vlahoviček (HR) Petr Svoboda (CZ)

Symposia

16:00 - 16:30  
Petr Svoboda (Czech Republic)

16:00 - 16:30  
Janusz M. Bujnicki (Poland)

# The FEBS Congress 2020 - Ljubljana, Slovenia

16:00 - 16:30

Daniel A. Jacobson (USA)

Other location

11:00 - 11:30 Coffee Break (Hall A)

Coffee Break

12:30 - 14:30 Lunch & Poster Sessions (Hall A)

Lunch & Poster Sessions

15:30 - 16:00 Coffee Break (Hall A)

Coffee Break

20:00 - 21:00 Science on the street 2

Special Sessions &  
Workshops

## Wednesday, 2020/7/8

Kocka Hall

09:00 - 11:00 Cancer Immunology and Immunotherapy

Symposia

**Chairs:** Janko Kos (SI) Wolf Herve Fridman (FR)

09:00 - 09:30

Catherine Sautes Fridman (France)

09:00 - 09:30 **The role of MDSC in regulation of immune response**

Viktor Umansky (Germany)

09:00 - 09:30 **NK cells in tumor biology**

Anahid Jewett (USA)

11:30 - 12:30 FEBS Datta Lecture

Plenary Lectures

11:30 - 12:30

Roman Jerala (Slovenia)

14:00 - 14:30 FEBS Press Award Plenary 1

Plenary Lectures

14:30 - 15:00 FEBS Press Award Plenary 2

Plenary Lectures

15:30 - 16:30 PABMB Lecture

Plenary Lectures

15:30 - 16:30

Rafael Radi (Uruguay)

# The FEBS Congress 2020 - Ljubljana, Slovenia

16:30 - 18:30 Cancer Initiation and Progression

Symposia

**Chairs:** Tamara Lah Turnšek (SI) Harald zur Hausen (DE)

16:30 - 17:00 **Viral origin of cancer: From discovery to treatment**

Harald zur Hausen (Germany)

16:30 - 17:00 **Clinical relevance of breast cancer stem cells in disease progression**

Maria Grazia Daidone (Italy)

16:30 - 17:00 **Glioblastoma cancer stem cells metabolism and the role of novel drugs targeting**

Geoffrey Pilkington (UK)

16:30 - 17:00 **Precision cancer therapy: The journey of CCR5 from bubonic plague to current clinical treatments**

Richard Pestell

## Marmorna Hall A

09:00 - 11:00 Cellular Organization

Symposia

**Chairs:** Iva Tolić (HR) Devrim Gozuacik (TR)

09:00 - 09:30

Emrah Eroglu (USA)

09:00 - 09:30

Iva Tolić (Croatia)

09:00 - 09:30

Gozuacik (Turkey)

16:30 - 18:30 Aging Stress and Neurodegeneration

Symposia

**Chairs:** Boris Rogelj (SI) Tihomir Balog (HR)

16:30 - 17:00

Christian Haass (Germany)

16:30 - 17:00

Adam Antebi (Germany)

16:30 - 17:00 **Genetics in neurodegeneration**

John A. Hardy (UK)

## Marmorna Hall B

09:00 - 11:00 Molecular Interactions of Plants with the Environment

Symposia

**Chairs:** Kristina Gruden (SI) Wolfram Weckwerth (AT)

09:00 - 09:30 **Proteomics and metabolomics in studies of plant systems in environment**

Wolfram Weckwerth (Austria)

09:00 - 09:30 **Dynamics of plant responses in infection**

Katherine Denby (UK)

09:00 - 09:30 **Study of spatial responses reveals mechanisms of plant resistance to viruses**

Kristina Gruden (Slovenia)

# The FEBS Congress 2020 - Ljubljana, Slovenia

16:30 - 18:30 Redox Biology - Oxidative Stress Signalling

Symposia

**Chairs:** László Virág (HU) Harald H.H.W. Schmidt (NL)

16:30 - 17:00 **Systems medicine of ROS related diseases**

Harald H.H.W. Schmidt (The Netherlands)

16:30 - 17:00 **NADPH oxidases in infection and inflammation**

Ulla G. Knaus (Ireland)

16:30 - 17:00 **Transcription factor NRF2 is a master regulator of redox metabolism: implications in chronic diseases**

Antonio Cuadrado (Spain)

## Gallery Hall

08:00 - 09:00 Early Bird Session IV

Early Bird Sessions

09:00 - 11:00 Life on the Edge - Extremophilic/ Extremotolerant organisms

Symposia

**Chairs:** Ana Plemenitaš (SI) Elizaveta Bonch-Osmolovskaya (RU)

09:00 - 09:30

Don A Cowan (South Africa)

09:00 - 09:30

Elizaveta Bonch-Osmolovskaya (Russia)

09:00 - 09:30

Sonja-Verena Albers (Germany)

16:30 - 18:30 Metabolic Engineering: Emerging Technologies for Industrial Process Development

Symposia

**Chairs:** Hrvoje Petković (SI) Christoph Wittman (DE)

16:30 - 17:00

Rolf Muller (Germany)

16:30 - 17:00

Jiri Danborsky (Czech Republic)

16:30 - 17:00

Christoph Wittman (Germany)

## Povodni moř Hall

09:00 - 11:00 Immune and Inflammatory Disorders

Symposia

**Chairs:** Bojan Polić (HR) Burkhard Becher (CH)

09:00 - 09:30

Burkhard Becher (Switzerland)

09:00 - 09:30

Alexey Belogurov (Russia)

09:00 - 09:30

Marc Schmidt-Supprian (Germany)

16:30 - 18:30 FEBS Special Session on Education II

Special Sessions & Workshops

# The FEBS Congress 2020 - Ljubljana, Slovenia

## Other location

11:00 - 11:30 Coffee Break (Hall A)

Coffee Break

12:30 - 14:00 Lunch & Poster Sessions (Hall A)

Lunch & Poster Sessions

15:00 - 15:30 Coffee Break (Hall A)

Coffee Break

18:45 - 21:45 Congress Dinner, Bled, Hotel Toplice

Social Program

## Thursday, 2020/7/9

### Kocka Hall

09:00 - 11:00 Structural and Functional Glycobiology

Symposia

**Chairs:** Gordan Lauc (HR) Serge Perez (FR)

09:00 - 09:30

Salome Pinho (Portugal)

09:00 - 09:30

Rita Gerardy-Schahn (Germany)

09:00 - 09:30

**State of the art in establishing structures and dynamics of glycans and their interactions**

Serge Perez (France)

11:30 - 12:30 FEBS Theodor Bücher Lecture

Plenary Lectures

11:30 - 12:30

Emmanuelle Charpentier (Germany)

12:30 - 13:00 Closing ceremony

Social Program

### Marmorna Hall A

09:00 - 11:00 The Circadian Clock and Disease

Symposia

**Chairs:** Damjana Rozman (SI) Achim Kramer (DE)

09:00 - 09:30

**Lipid metabolism around the body clocks**

Charna Dibner (Switzerland)

09:00 - 09:30

**Internal clocks and chronotherapy**

Achim Kramer (Germany)

# The FEBS Congress 2020 - Ljubljana, Slovenia

09:00 - 09:30 **Molecular basis of circadian disorders**  
Debra Skene (UK)

## Marmorna Hall B

09:00 - 11:00 **Biomembranes and Lipid Mediators** **Symposia**  
**Chairs:** Marija Heffer (HR) Raquel Marin (ES)

09:00 - 09:30  
Alina-Diana Zamfir (Romania)

09:00 - 09:30  
Rostyslav O. Bilyy (Ukraine)

09:00 - 09:30  
Raquel Marin (Spain)

## Gallery Hall

09:00 - 11:00 **Lipidomics** **Symposia**  
**Chairs:** László Víggh (HU) Kim Ekroos (FI)

09:00 - 09:30 **Lipidomics of lysophospholipids**  
Michael Wakelam (UK)

09:00 - 09:30 **Eicosanoids and Related Bioactive Mediators of Inflammation**  
Edward Dennis (USA)

09:00 - 09:30 **Lipidomics analysis and reporting – the Lipidomics Standards Initiative (LSI)**  
Kim Ekroos (Finland)

## Povodni moř Hall

09:00 - 11:00 **Biochemistry: A Success Story** **Symposia**  
**Chairs:** TBA TBA

09:00 - 09:30  
TBD

09:00 - 09:30  
Sebastian Glatt (Poland)

09:00 - 09:30  
Marjetka Podobnik (Slovenia)

## Other location

11:00 - 11:30 **Coffee Break (Hall A)** **Coffee Break**