

THU 05 MAY

09:00 - 09:10

MEETING OPENING 18TH LIFE SCIENCE MEETING

-> Wing G1, Room E.21

09:00 Manfred Pferzinger

Welcome Speech

Head of Institute Health Management / Deputy Academic Head / Programme Director Management of Health Institutions

09:05 Harald Hundsberger

Opening Speech for the 18th Life Science Meeting 2022

Head of the Institute of Biotechnology, Programme Director Medical and Pharmaceutical Biotechnology, IMC University of Applied Sciences Krems

09:10 - 10:00

SESSION: MEDICAL BIOTECHNOLOGY

-> Wing G1, Room E.21

Chair: Olivia Neuhofer, Janos Kondri

09:10 Christoph Wiesner

Designing Light-Inducible Cell Lines to Spatiotemporally Modulate specific Signaling Pathways

IMC University of Applied Sciences Krems, Department of Life Sciences, Institut of Biotechnology

09:30 Viktoria Weber

Immunothrombosis and Endothelial Dysfunction as Central Pathomechanisms in Severe COVID-19

Vice Rector for Research Danube University Krems and Head Christian Doppler Laboratory for Innovative Therapy Approaches in Sepsis

09:50 Jörg Fritz

Tweaking Metabolism to dampen inflammatory lung diseases

McGill University, Department of Microbiology and Immunology

10:10 - 10:30

SESSION: EUSAAT (EUROPEAN SOCIETY FOR ALTERNATIVES TO ANIMAL TESTING)- THE IMPORTANCE OF STANDARDIZATION OF CELL CULTURE MODELS

-> Wing G1, Room E.21

Chair: Lukas Herrmann, Alice Tamma

10:10 Winfried Neuhaus

3Rs related Concepts for Better Science

EUSAAT & AIT – Austrian Institute of Technology GmbH, Center Health and Bioresources, Competence Unit Molecular Diagnostics, Vienna

10:30 Regina Grillari

The importance of good cell culture practice for standardization of cell culture work

Evercyte GmbH

18TH INTERNATIONAL LIFE SCIENCE MEETING | MAY 5 & 6 2022

11:20 - 12:40

SESSION: REGENERATIVE MEDICINE I

-> Wing G1, Room E.21

Chair: Emmely Antonia Patrasso, Felix Zuntermann

11:20 Wilhelm Aicher

Therapy of muscle deficiency by cell injection using a novel waterjet technology
Center for Medical Research, Dept. of Urology, University of Tuebingen Hospital, Tuebingen, Germany

11:40 Monika Pichler

Musculoskeletal Allografts: proven concepts-development
Cells + Tissuebank Austria gemeinnützige GmbH | Magnesitstrasse 1 | 3500 Krems an der Donau | Austria

12:00 Patrick Rericha

The Epicardium as the Conductor of Cardiovascular Cells in Cardiac Regeneration
Sinha Lab, University of Cambridge, Cambridge Stem Cell Institute, Department of Stem Cell Biology and Medicine

12:20 Stefan Nehrer

Artificial Intelligence in musculoskeletal imaging
Universität für Weiterbildung Krems | Fakultät für Gesundheit und Medizin

12:40 - 14:00

LUNCH BREAK

Lunch Break at the canteen of Campus Krems

14:00 - 15:00

SESSION: REGENERATIVE MEDICINE II

-> Wing G1, Room E.21

Chair: Elena Pfeiffer, Rayyan Bassem Adel Yakout

14:00 Antonio Beltrami

The longevity-associated gene BPIFB4 protects the heart from ischemia and senescence
Università degli Studi di Udine

14:20 Bernhard Winkler

Flow patterns in diseased vessel-the rationale for tissue engineering vascular grafts
Klinik für Herzchirurgie KFL Department für Biomedizin, Basel

14:40 Johannes Bargehr

Regenerating human heart muscle with stem cells
*MRC Cambridge Stem Cell Institute, Jeffrey Cheah Biomedical Centre, University of Cambridge
Division of Cardiovascular Medicine, Addenbrooke's Hospital, University of Cambridge*

18TH INTERNATIONAL LIFE SCIENCE MEETING | MAY 5 & 6 2022

15:00 - 15:40

SESSION: PROTEIN SCIENCE

-> Wing G1, Room E.21

Chair: Patrik Hains, Bianka Bognár

15:00 Federico Fogolari

Thermodynamics from molecular dynamics simulations

Department of Mathematics, Computer Science and Physics University of Udine

Udine – Italy

15:20 Gerhard Fischer

Structural Information at Atomic Resolution in Drug Discovery

Boehringer Ingelheim RCV

15:40 Markus Roucka

Effector function and interaction of immunoglobulins to Fc-receptors

VelaLabs GmbH – A Tentamus Company

16:00 - 16:30

COFFEE BREAK

-> Wing G1, Room E.25 & E.26

16:30 - 17:30

SESSION: STUDIUM GENERALE

-> Wing G1, Room E.21

Chair: Tamara Goldberger, Oliver Beisl

16:30 Gaston Sendin

Challenges in therapy development for Epidermolysis Bullosa

DEBRA Austria

16:50 Elisa Arthofer

CISH – A new internal T cell checkpoint

Deep Science Ventures; Wildside Bio

17:10 Daniel Pressl

High-Tech Med-Tech Products through Collaboration and Innovation

Wild GmbH

18:30 - HEURIGER MÜLLNER

Come together with “Students, Graduates, Lecturers, Coaches and R&D Partners” at the Heurigen Müllner, Stadtgraben 50, A-3500 Krems

FRI 06 MAY

09:00 - 09:20

SESSION: ENVIRONMENTAL BIOTECHNOLOGY

-> Wing G1, Room E.21

Chair: Barbara Entler

09:00 Raeid Abed

A novel bioremediation approach to remove hexavalent chromium from polluted waters using microbial mats from mining sites

Biology Department, Sultan Qaboos University, Oman

09:20 - 11:00

KREMS COOPERATION AWARD & PTS AWARD

-> Wing G1, Room E.21

09:20 Barbara Entler

Introduction PTS Award

Professor Department of Life Sciences | Institute Biotechnology

09:25 Vanessa Meier

ARRDC4 in glucagon-mediated glucose homeostasis in vivo

09:45 Daniel Wallinger

Characterization of new bacteriophages for therapeutic applications

10:05 Bernadette Winter

The molecular function of Merkel cell polyomavirus in Merkel cell carcinoma

10:30 Harald Leiter

Introduction Krems Cooperation Award

ecoplus Niederösterreichs Wirtschaftsagentur GmbH

10:40 Laura Breinschmid

Characterisation of tumourigenesis of a MYC driven tumour model

11:00 - 11:20

AUSTRIAN MARSHALL PLAN FOUNDATION

-> Wing G1, Room E.21

Chair: Barbara Entler

11:00 Markus Schweiger

Fostering Transatlantic Excellence – Fellowship Opportunities

Executive Director, Austrian Marshall Plan Foundation

11:20 - 11:30

COFFEE BREAK

-> Wing G1, Room E.25 & E.26

18TH INTERNATIONAL LIFE SCIENCE MEETING | MAY 5 & 6 2022

11:30 - 12:30

SESSION: CANCER BIOLOGY

-> Wing G1, Room E.21

Chair: Sarah Schwarz, Maximilian Sexl

11:30 Gerda Egger

Mimicking tumor cell heterogeneity of colorectal cancer in stromal tumoroids

Department of Pathology, Medical University of Vienna and Ludwig Boltzmann Institute Applied Diagnostics

11:50 Mario Mikula

Making use of skin organoids derived from human pluripotent stem cells

Medical University Vienna, Institute for Medical Genetics

12:10 Dagmar Stoiber

STAT3 – a game changer in AML?

Division Pharmacology, Department Pharmacology, Physiology and Microbiology

Karl Landsteiner University of Health Sciences

12:30 - 13:30

LUNCH BREAK at the canteen of Campus Krems

13:30 - 14:30

EDUCATION AND CAREER IN LIFE SCIENCES - ROUND TABLE DISCUSSION

-> Wing G1, Room E.21

Uwe Schlokat | Vice President, Global Project Management, Ottobock International

Wolfram Strobl | Fresenius Medical Care Adsorber Tec, Geschäftsführer

Marcel Krepstakies | Boehringer Ingelheim RCV GmbH & Co KG | Biopharma Austria | Focused Factory Microbial | Head of Team Downstream Manufacturing 1

Rita Seeböck | University Hospital St.Pölten, Clinical Institute of Pathology and Molecularpathology

Gerda Egger | Department of Pathology, Medical University of Vienna and Ludwig Boltzmann Institute Applied Diagnostics

Christian Lubich | Institute Krems Bioanalytics; IMC University of Applied Sciences Krems

Reinhard Nestelbacher | Sciencetainment – Agentur für Wissenschaftskommunikation

Günter Waxenecker | BASG – Bundesamt für Sicherheit im Gesundheitswesen; AGES – Österreichische Agentur für Gesundheit und Ernährungssicherheit

Anita Kazda | BASG – B Takeda, Manufacturing Purification - Compliance & EHS

14:30 - 15:30

SESSION: INSTITUTE BIOANALYTICS

-> Wing G1, Room E.21

Chair: Mahan Haripoush, Verena Kern

14:30 Franz Herzog

Structural Proteomics: a promising tool in biomedical research

18TH INTERNATIONAL LIFE SCIENCE MEETING | MAY 5 & 6 2022

Institute Krems Bioanalytics; IMC University of Applied Sciences Krems

14:50 Lars Dittus

Bioanalysis of therapeutic proteins in drug discovery
Boehringer Ingelheim Pharma GmbH & Co. KG; Drug Discovery Sciences

15:10 Christian Lubich

Immunogenicity Assessment of Therapeutic Biologics
Institute Krems Bioanalytics, IMC University of Applied Sciences Krems

15:30 - 16:00
COFFEE BREAK
-> Wing G1, Room E.25 & E.26

16:00 - 17:20
SESSION: PHARMACEUTICAL BIOTECHNOLOGY & REGULATIONS
-> Wing G1, Room E.21

Chair: Johanna Schiedlbauer, Jorge Úbeda Garrido

16:00 Alois Jungbauer

Extra cellular vesicles separation and biophysical characterization
Institute of Bioprocess Science and Engineering Department of Biotechnology
University of Natural Resources and Life Sciences

16:20 Günter Waxenecker

The role and challenges of a national competent authority in the development of biopharmaceuticals
Abteilung Biologika, Präklinik und Statistik (BPSA), Institut Begutachtung & Analytik (BGA), Geschäftsfeld Medizinmarktaufsicht, BASG – Bundesamt für Sicherheit im Gesundheitswesen, AGES – Österreichische Agentur für Gesundheit und Ernährungssicherheit

16:40 Marcel Krepstakies

7 survival skills for the biopharmaceutical industry
Boehringer Ingelheim RCV GmbH & Co KG

17:00 Emanuel Kreidl

Benchmarking Commercial Media and Impact on Clone Selection
Ichnos Sciences

17:00 - 17:30
PRACTICAL TRAINING SEMESTER AWARD
-> Wing G1, Room E.21

18:30 -
DINNER WITH THE GRADUATES, LECTURERS AND GUESTS AT THE "HEURIGER SIEDLER"
Heuriger Siedler, Hundsheim 55, 3512 Mauternbach