



University of
Applied Sciences

Life Science Meeting 2025

<https://lifescience-meeting.imc.ac.at/>

21th Life Science Meeting 2025 | 07.-08.Mai 2025



University of Applied Sciences



Eröffnung durch Institutsleiter Harald Hundberger



Vortrag Christoph Metzner | Studiengangsleiter Masterstudiengang

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Vortragende und Teilnehmer:innen folgender Institutionen waren vertreten:

- AbbVie Deutschland GmbH & Co. KG
- AGES – Austrian Agency for Health and Food Safety
- AIT Austrian Institute of Technology GmbH, Molecular Diagnostics
- BIO-RAD Laboratories GmbH
- Boehringer Ingelheim Vienna
- Cambridge Stem Cell Institute, Teichmann Lab
- Coburg University of Applied Sciences and Arts
- Comenius University
- Die Karl Landsteiner Privatuniversität für Gesundheitswissenschaften (KL)
- ecoplus Niederösterreichs Wirtschaftsagentur GmbH
- Eppendorf Austria GmbH
- Faculty of Medicine, Comenius University, Bratislava
- FFG – Austrian Research Promotion Agency, European and International Programmes, National Contact Point Health Horizon Europe
- FH Technikum Wien
- Genspeed Biotech
- GETINGE Österreich GmbH
- IMC University of Applied Sciences Krems/ Institute Krems Bioanalytics
- Institute for Bioanalysis, Department of Applied Sciences, Coburg University of Applied Sciences and Arts, Coburg, Germany
- Institute of Molecular Biotechnology Austria, IMBA, Vienna
- Institute of Molecular Pathology, Vienna
- "IRC Government of Ireland Fellow, UCD Conway Institute of Biomolecular and Biomedical Research, University College Dublin,"
- K1-MET GmbH
- Karl Landsteiner University of Health Sciences
- LISA | Life Science Austria
- LISAVienna
- Ludwig Boltzmann Institute for Hematology and Oncology
- Ludwig Boltzmann Institute for Traumatology
- Medical University of Vienna
- Ministry of Research and Universities, Generalitat de Catalunya; Institute for Bioengineering of Catalonia
- NÖ LGA
- Norsaac
- Novartis
- Institute of Bioprocess Science and Engineering Department of Biotechnology University of Natural Resources and Life Sciences
- Ottobock International
- Paris Lodron Universität Salzburg
- Phoenestra GmbH, Linz (Austria)
- Takeda Pharmaceuticals Ltd
- UCB Pharma
- University College Dublin
- University for Continuing Education Krems
- University Hospital Münster
- University of applied sciences Technikum Wien
- University of Natural Resources and Life Sciences
- VelaLabs GmbH
- Vetmed Uni
- Vienna Biocenter Core Facilities, Vienna

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TeilnehmerInnen beim 20th Life Science Meeting (ca. 160 Personen: Studierende, Alumni, Externe siehe Liste Folie3)

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Roll-up LISA und ecoplus neben der Bühne

Impressionen 21th Life Science Meeting 2025 | 07.-08.Mai 2025



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Practical Training Semester Award (v.l.n.r.: Barbara Entler, Romana Eisenbock , Klaudia Cisárová , Narges Zamani , Bernhard Klausgraber)



Programme 07.05.2025
for the 21st International Life Science Meeting
07.05. – 08.05.2025

MEETING OPENING 21st LIFE SCIENCE MEETING

Wing G1 Room E.21

09:00 Welcome Speech

Udo Brändle

CEO | IMC Krems University of Applied Sciences Krems

09:05 Opening Speech

Harald Hundsberger

Head Institute Biotechnology / IMC Krems University of Applied Sciences Krems

SESSION: FINDING APPLICATIONS FOR EXTRACELLULAR VESICLES

Wing G1 Room E.21

Chair: Julia Drescher | Stefan Tanzmayr

09:10 Extracellular Vesicles – A New Language in Cell-to-Cell Communication

Christoph Metzner

Head of study program Medical and Pharmaceutical Biotechnology/ IMC Krems University of Applied Sciences Krems

09:20 ASEV – Research on Extracellular Vesicles in Austria

Wolfgang Holnthoner

President of the Austrian Society for Extracellular Vesicles

Ludwig Boltzmann Institute for Traumatology

The Research Centre in Cooperation with AUVA

Vienna

09:50 Extracellular vesicles as biomarkers for solid tumors

Kerstin Menck

University Hospital Münster

10:10 – 10:40 COFFEE BREAK

SESSION: OMICS

Wing G1 Room E.21

Chair: Dominik Beck | Rishka Raj

10:40 OMICS Technologies and Data Science in Biomedicine

Andreas Lackner

Head of study program OMICS Technologies and Data Science in Biomedicine / IMC Krems
University of Applied Sciences Krems

10:50 Single-cell and spatial atlases across human organs

Simon Koplev

Cambridge Stem Cell Institute, Teichmann Lab

11:30 NGS Technologies at the Vienna Biocenter

Andreas Sommer

Vienna Biocenter Core Facilities, Vienna

SESSION: FFG

Wing G1 Room E.21

12:00 European Funding: Opportunities for Life Sciences

Astrid Hoebertz

FFG – Austrian Research Promotion Agency, European and International Programmes, National
Contact Point Health Horizon Europe

12:20 – 13:20 LUNCH BREAK

SESSION: OMICS

Wing G1 Room E.21

Chair: Dominik Beck | Rishka Raj

13:00 Online – Presentation tba

Nuria Montserrat

Ministry of Research and Universities, Generalitat de Catalonia; Institute for Bioengineering of Catalonia

13:30 Proteomics Technologies at the Vienna Biocenter

Karl Mechtler

Institute of Molecular Pathology, Vienna

13:50 Omics Technologies as a Key Technology for Developing Innovative Medical Biomaterials

Stefan Kalkhof

Institute for Bioanalysis, Department of Applied Sciences, Coburg University of Applied Sciences and Arts, Coburg, Germany

SESSION: INDUSTRY I

Wing G1 Room E.21

Chair: Leonie Kernegger | Luis Hofweyrer

14:20 Oncology research at Boehringer Ingelheim RCV

Paola Martinelli

Boehringer Ingelheim Vienna, Associate Scientific Director

14:40 Unveiling the Chromatic Secrets of a Therapeutic Protein

Emanuel Kreidl

Novartis

15:00 BREAK

SESSION: DocFunds I & CANCER

Wing G1 Room E.21

Chair: Leonie Kernegger | Luis Hofweyrer

15:20 Targeted chemotherapy of testicular cancer in the era of precision medicine

Lucia Kučerová

Translational Research Unit

Faculty of Medicine, Comenius University,

National Cancer Institute

Bratislava

15:40 Hautorganoide als Ort der Krebsproliferation

Mario Mikula

Medical University of Vienna

Institute of Medical Genetics

16:00 Metabolic Niche in Liver Cancer

Wolfgang Mikulits

Medical University Vienna

16:20 BREAK

SESSION: OMICS continued

Wing G1 Room E.21

Chair: Dominik Beck | Rishka Raj

16:40 tba

Elly Tanaka

Institute of Molecular Biotechnology Austria, IMBA, Vienna

**Come together with “Students, Graduates, Lecturers, Coaches and R&D Partners” at the
Heurigen Müllner**

17:30 Heuriger Müllner, Stadtgraben 50, A-3500 Krems



Programme 08.05.2025
for the 21st International Life Science Meeting |
07.05. – 08.05.2025

SESSION: PRACTICAL TRAINING SEMESTER AWARD

Wing G1 Room E.21

Chair: Ivana Ilic | Patricia Müller

09:00 Introduction

Barabara Entler

Professor Institute Biotechnology / IMC Krems University of Applied Sciences Krems

09:05 Mapping variant effects on cholesterol metabolism with a base-editing CRISPR screen

Klaudia Cisárová

Student | IMC Krems University of Applied Sciences Krems

09:20 Culturing Limbal Stem Cells isolated from Human Corneas: The Impact of Agrin, WNT16B, and Transduction with a Lentiviral Vector

Romana Eisenbock

Student | IMC Krems University of Applied Sciences Krems

09:35 Evaluation of Osteogenic Potential for Extracellular Matrix derived from Allografts

Narges Zamani

Student | IMC Krems University of Applied Sciences Krems

09:50 Neoteric paradigm shift at Technopol Krems – what on earth is a „Technopol“?

Harald Leiter

ecoplus Niederösterreichs Wirtschaftsagentur GmbH

10:00 COFFEE BREAK

SESSION:Doc Funds II REGENERATIVE MEDICINE

Wing G1 Room E.21

Chair: Nikola Götz | Veronika Smolkova

10:15 Extracellular Vesicles and their Roles in Inflammation

Viktoria Weber

University for Continuing Education Krems

10:35 From Stem to Stone: The Influence of TLR10 on Osteoblastic Differentiation

Christoph Wiesner

Professor Institute Biotechnology / IMC Krems University of Applied Sciences Krems

10:55 From Mutation to Mechanism: Investigating Candidate Genes in Medical Genetics – A KIF5B Case Study

Victoria Sarne

Medical University of Vienna, Institute of Medical Genetics

11:15 COFFEE BREAK

PANEL DISCUSSION

Wing G1 Room E.21

11:25 Education and Career in Life Science

Moderation: Uwe Schlokot

Vice President, Global Project Management, Ottobock International

13:00 LUNCH BREAK

SESSION: BIOMEDICAL TECHNOLOGIES

Wing G1 Room E.21

Chair: Zoe Jung | Ivana Ilic

14:00 The Extracellular Calcium-Sensing Receptor – a versatile new drug target?

Martin Schepelmann

Medical University of Vienna

Center for Pathophysiology, Infectiology and Immunology

Institute of Pathophysiology and Allergy Research

14:20 Ribosome revolution : targeted ribosome editing to boost protective proteins in rare and prevalent disease

Hannelore Breitenbach-Koller

Paris Lodron Universität Salzburg

Emerita Biowissenschaften und Medizinische Biologie

14:40 COFFEE BREAK

SESSION: FURTHER RELEVANT TOPICS IN BIOTECHNOLOGY

Wing G1 Room E.21

Chair: Patrizia Müller | Hendrik van Dijk

15:00 Harvesting the therapeutic potentials of Extracellular Vesicles (EV)

Klaus Graumann

Phoenestra GmbH, Linz (Austria)

15:20 Bioelectrochemical systems for recycling processes

Marianne Haberbauer

K1-MET GmbH

15:40 Novel sources of sustainable protein? – Unkraut vergeht nicht!

Ajay Iyer

IRC Government of Ireland Fellow,

UCD Conway Institute of Biomolecular and Biomedical Research,

University College Dublin

16:00 COFFEE BREAK

SESSION: INDUSTRIAL – NOVEL BIOMEDICAL TECHNOLOGIES

Wing G1 Room E.21

Chair: Zoe Jung | Hendrik van Dijk

16:30 From Batch to Continuous Bioprocesses: Same Quality Attributes but Better Economics and Environmental Footprint

Alois Jungbauer

Institute of Bioprocess Science and Engineering
Department of Biotechnology
University of Natural Resources and Life Sciences

16:50 A changing medicines landscape

Günter Waxenecker

Head of the Agency

Austrian Medicines and Medical Devices Agency

AGES – Austrian Agency for Health and Food Safety

BASG – Federal Office for Safety in Health Care

17:10 TBA

Mario Richter

Senior Director QTAS

Head of global regulated bioanalysis and biomarker support

AbbVie Deutschland GmbH & Co. KG

PRACTICAL TRAINING SEMESTER AWARD

Wing G1 Room E.21

17:30 PTS Award Ceremony

Barbara Entler

Professor Institute Biotechnology / IMC Krems University of Applied Sciences Krems

DINNER WITH THE GRADUATES, LECTURERS AND GUESTS AT THE “WEINLODGE SIEDLER”

18:30 Siedler Weinlodge

WEINLODGE SIEDLER Mauternbach 2 | 3512 Mauternbach | Österreich

www.siedler-wachau.at



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