

19th Life Science Meeting 23. - 25.05.2023				
Day	Programm			Lecturers & Affiliation
23.05.a.m.	20 Years Anniversary „Medical and Pharmaceutical Biotechnology”			
	10:00	20 Years Anniversary „Medical and Pharmaceutical Biotechnology”	Opening 20 Years Anniversary „Medical and Pharmaceutical Biotechnology” with Alumni and Friends	Harald Hundsberger Head Institute of Biotechnology IMC Krems University of Applied Sciences Krems
	10:05	20 Years Anniversary „Medical and Pharmaceutical Biotechnology”	The Institute of Krems Bioanalytics, Industrial Collaborations under GLP	Harald Hundsberger Head Institute of Biotechnology IMC Krems University of Applied Sciences Krems
	10:30	20 Years Anniversary „Medical and Pharmaceutical Biotechnology”	The Institute of Biotechnology at the IMC FH Krems, A Journey from 2002 to 2023	Christian Lubich Head of Immune Monitoring Institute Krems Bioanalytics IMC Krems University of Applied Sciences Krems
	11:00	20 Years Anniversary „Medical and Pharmaceutical Biotechnology”	Round Table Discussion with Alumni and Friends	Barbara Entler Professor (FH) Medical and Pharmaceutical Biotechnology/Business Contacts and Career Service IMC Krems
23.05.p.m.	19th Life Science Meeting Day 1			
	13:00	Eröffnung	Welcome Speech	Udo Brändle CEO IMC Krems University of Applied Sciences Krems
	13:00	Eröffnung	Opening Speech	Harald Hundsberger Head Institute Biotechnology IMC Krems University of Applied Sciences Krems
	13:15	Keynote Lecture	Drug Discovery Mythbuster	Peter Ettmayer Drug Discovery Sciences Boehringer Ingelheim
	14:00	Regenerative Medicine	Humanoid robots and flexible bioreactors for tissue engineering	Nicole Dvorak Nuffield Department of Orthopedics, Rheumatology and Musculoskeletal Sciences, University of Oxford, UK
	14:20	Regenerative Medicine	Molecular Insights into Bone allografts- BMPs detection strategies	Monika Pichler/HPW Cell and Tissue Bank, Krems , Austria
	14:40	Regenerative Medicine	Using Fibrins Versatility for Vascular Tissue Engineering	Sarah Zippusch Department of Cardiothoracic, Transplantation and Vascular Surgery, Hannover Medical School
	15:00	Regenerative Medicine	Hoffa MSC-Derived Extracellular Vesicles in Osteoarthritis - Friend or Foe	Alexander Ottahal University for Continuing Education, Krems
	15:20	Regenerative Medicine	Platelet-Derived Extracellular Vesicles as Mediators of Immunothrombosis	Viktoria Weber University for Continuing Education, Krems
	15:40	BREAK	Coffee Break	
	16:15	Session Graduates of the Institute of Biotechnology	The role of telomerase in alleviating replication stress	Sabine Eberhart Universitätsklinikum Mannheim Gastroenterologie
	16:35	Session Graduates of the Institute of Biotechnology	AAV Manufacturing from Research to Production	Rolando Szilveszter Matos Cell and Gene Therapy Catapult Advancing cell and gene therapies through powerful collaborations - Cell and Gene Therapy (catapult.org.uk)
	16:55	Session Graduates of the Institute of Biotechnology	Molecular mechanisms of synaptic dysfunction in frontotemporal dementia	Nadine Huber Faculty of Health Sciences, A.I. Virtanen Institute for Molecular Sciences University of Eastern Finland
	17:15	Session Graduates of the Institute of Biotechnology	Decoding the molecular players underlying behaviour: Lessons from C. elegans	Hanna Schön Institute of Science and Technology Austria
	17:35	Session Graduates of the Institute of Biotechnology	How to build a biotech startup in 365 days – from a problem to the solution	Elisa Arthofer Deep Science Ventures / Stealth Biotech Startup
	18:15	GET TOGETHER	Figerfood at the Campus	

24.05.	19th Life Science Meeting Day 2			
	08:45	Practical Training Semster Award	Einführung	Barbara Entler Professor (FH) Medical and Pharmaceutical Biotechnology/Business Contacts and Career Service IMC Krems
	08:50	Practical Training Semster Award	The establishment of a stem cell-based neurovascular co-culture system	Leonie Optiz Student Medical and Pharmaceutical Biotechnology, IMC Krems University of Applied Sciences Krems
	09:10	Practical Training Semster Award	The role of RNA oxidation and RNA acetylation for protein synthesis’	Emmely Antonia Patrasso Student Medical and Pharmaceutical Biotechnology, IMC Krems University of Applied Sciences Krems
	09:30	Practical Training Semster Award	Scale-up of a chromatography-free protein purification process	Markus Wiesmüller Student Medical and Pharmaceutical Biotechnology
	09:50	Biotechnology of Microbes I	Genetic secrets behind the hidden treasures of fungal bioactive substances	Josef Strauss Institute of Microbial Genetics and Research Platform "Bioactive Microbial Metabolites" Department of Applied Genetics and Cell Biology BOKU University Vienna, Campus TullnBOKU Wien
	10:10	Biotechnology of Microbes I	Oleaginous yeasts for the conversion of low value side streams to oil and biochemicals	Volkmar Passoth Swedish University of Agricultural Sciences, Upsala
	10:30	Biotechnology of Microbes I	Recycling of complex waste materials using the power of microbes	Klemens Kremser University of Natural Resources and Life Sciences Vienna BOKU, Dept. of Agrobiotechnology, IFA-Tulln, Inst. of Environmental Biotechnology
	10:50	Biotechnology of Microbes I	Utilization of produced water as a growth medium for algae cultivation and biofuel production	Raied Abed College of Science Sultan Qaboos University
	11:10	BREAK	Coffee Break	
	11:30	Biotechnology of Microbes II	Solubility as a challenge for exp, ressession and purification of recombinant proteins	Stanislav Stuchlik Comenius University Bratislava
	11:50	Biotechnology of Microbes II	Bacterial Engineers’ - Using Microbes to Engineer Valuable Biomaterials	Iza Radecka School of Sciences, Faculty of Sciences and Engineering, University of Wolverhampton, Wolverhampton, UK
	12:10	Biotechnology of Microbes II	Biosynthesis of insect hormone precursors by recombinant yeasts	Milan Čertík Peter Gajdoš Institute of Biotechnology, Faculty of Chemical and Food Technology, Slovak University of Technology, Bratislava, Slovak Republic
	12:30	LUNCH BREAK	Mensa Campus Krems	
	14:00	Viruses	Novel strategies in combatting adnovirus associated infections	Reinhard Klein Professor (FH) Institute Biotechnology , IMC Krems University of Applied Sciences Krems
	14:20	Viruses	Virus Induced Immune Mechanisms and it’s Therapeutic Potential	Karl Sebastian Lang Institut für Immunologie, Universitätsklinikum Essen
	14:40	Viruses	Wastewater Based Epidemiology – Monitoring SARS-CoV2 and Influenza Virus in Wastewater with Vienna (Austria) as Ccase Study	Norbert Kreuzinger Institute for Water Quality and Resources Management, Vienna University of Technology
	15:00	Methods and Technologies in Biotechnology	Industrialization of a new arenavirus based viral vector platform	Gerhard Fuhrmann Hookipa Biotech GmbH
	15:20	Methods and Technologies in Biotechnology	Structural Proteomics: a promising tool for biomedical research	Franz Herzog Institute Krems Bioanalytics IMC Krems University of Applied Sciences Krems
	15:40	BREAK	Coffee Break	
	16:10	National and International Partners	Capacity and selectivity aspects in multimodal chromatography	Milan Polakovič Department of Chemical and Biochemical Engineering Slovak University of Technology Bratislava Slovakia
	16:30	National and International Partners	Lab-on-a-chip meets Organ-on-a-chip technology: Human tissue surrogates and on-chip sensors for (nano-)toxicology	Mario Rothbauer Institute of Applied Synthetic Chemistry Institute of Chemical Technologies and Analytics Vienna University of Technology – Faculty of Technical Chemistry
	16:50	National and International Partners	<i>Online Presentation</i> Studies at LiU, Sweden – focus on possibilities for interdisciplinarity	Caroline Brommesson Linköping University, Sweden
	17:30	Practical Training Semester Award	Award Ceremony	Barbara Entler Professor (FH) Medical and Pharmaceutical Biotechnology/Business Contacts and Career Service IMC Krems
	18:00	Heuriger	Müllner	

25.05.2023	19th Life Science Meeting Day 3			
	09:00	Transformation of Preclinics into Clinics by Organoids	The Receptor Tyrosine Kinase AXL as a Drug Target in Liver Cancer	Wolfgang Mikulits Medical University Vienna
	09:20	Transformation of Preclinics into Clinics by Organoids	AXL Receptor Tyrosine Kinase Treatment in comparison with common RTK targeted therapies	Rita Seeböck IMC Krems University of Applied Sciences Krems University Hospital St. Pölten
	09:40	Transformation of Preclinics into Clinics by Organoids	Melanoma Derived Organoid Models	Mario Mikula Medical University Vienna
	10:00	BREAK	Coffee Break	
	10:30	Orth - Center for Innovative Biopharmaceutical Technologies	Takeda Manufacturing Austria AG	Marian Bendik Takeda Austria
	10:50	Orth - Center for Innovative Biopharmaceutical Technologies	Pfizer Manufacturing Austria GmbH	Martin Dallinger Pfizer Austria
	11:10	Orth - Center for Innovative Biopharmaceutical Technologies	tba	Friedrich Scheiflinger Evotec GT GmbH
	11:30	BREAK	Coffee Break	
	12:00	Round Table Discussion	Moderation - Career Opportunities in Life Science Research- and Industry	Uwe Schlokat Ottobock
	12:00	Round Table Discussion	Discussant - Career Opportunities in Life Science Research- and Industry	Jörg Glende MSD Animal Health Danube Biotech GmbH
	12:00	Round Table Discussion	Discussant - Career Opportunities in Life Science Research- and Industry	Iza Radecka University of Wolverhampton, UK
	12:00	Round Table Discussion	Discussant - Career Opportunities in Life Science Research- and Industry	Nicole Dvorak University of Oxford, UK
	12:00	Round Table Discussion	Discussant - Career Opportunities in Life Science Research- and Industry	Hanna Taipanleenmäki LMU Munich
	12:00	Round Table Discussion	Discussant - Career Opportunities in Life Science Research- and Industry	Marian Bendik Takeda Austria
	12:00	Round Table Discussion	Discussant - Career Opportunities in Life Science Research- and Industry	Martin Dallinger Pfizer Austria
	12:00	Round Table Discussion	Discussant - Career Opportunities in Life Science Research- and Industry	Friedrich Scheiflinger Evotec GT GmbH
	12:00	Round Table Discussion	Discussant - Career Opportunities in Life Science Research- and Industry	Brendan Kelly Ottobock, Regulatory Affairs and Quality Assurance
	12:00	Round Table Discussion	Discussant - Career Opportunities in Life Science Research- and Industry	Wolfram Strobl Fresenius Medical Care Adsorber Tec GmbH

13:00	LUNCH BREAK	Mensa Campus Krems	
14:00	Cancer II	Bone health in cancer patients: bench to bedside	Sonia Valet Division Molecular Oncology and Hematology, Department Basic and Translational Oncology and Hematology Karl Landsteiner University of Health Sciences
14:20	Cancer II	Targeting the microenvironment to treat breast cancer bone metastasis	Hanna Taipanleenmäki Institute of Musculoskeletal Medicine, University Hospital, LMU Munich
14:40	Cancer II	Reproducible label-free surface-enhanced Raman spectroscopy, SERS, for diagnostics in cancer therapy	Katerina Prohaska FH Wiener Neustadt, Biotech Campus Tulln
15:00	BREAK	Coffee Break	
16:00	Biotech Industry and Regulations in Pharmaceutical Industry	Latest Advances in Protein Chromatography	Alois Jungbauer University of Natural Resources BOKU Wien
16:20	Biotech Industry and Regulations in Pharmaceutical Industry	Manufacturing Analytics in Krems	Jörg Glende MSD Animal Health Danube Biotech GmbH
16:40	Biotech Industry and Regulations in Pharmaceutical Industry	Bringing recombinant therapeutic proteins on the market: The central procedure	Christian Mayer AGES
17:00	Biotech Industry and Regulations in Pharmaceutical Industry	Current trends in protein production in mammalian cells	Emanuel Kreidl Novartis
16:30	Advisory Board Meeting		
18:00	GET TOGETHER	SIEDLER Weinlodge	

