



The Student Conference

Public Presentations for PhD and Doc School Students

February 13th, 2025 – MedUniGraz Campus

08:00 – 08:30	Registration and Poster hanging <i>Main Entrance</i> Presenter from Poster Walk Session I: Please check the allocation list displayed in the foyer on the 1st floor above the Aula and make sure to remove your poster by 12:30 at the latest.	
08:30 – 08:45	Opening and Welcome Note <i>AULA</i> Katharina Leithner – Head of the Organizing Committee DocDay 2025 Andrea Kurz – Rector of the Medical University of Graz	
08:45 – 09:30	Oral Presentations Session I <i>AULA</i> Metabolism, Circulation & Inflammatory Diseases Anja Pammer Shift in High-Density Lipoprotein (HDL) Subclasses is Associated with Mortality in Chronic Liver Failure Anila Varghese Vascular alternations in aged mice with exaggerated cardiac IGF-1 signaling Marie-Therese Weiser-Fuchs Pregnancy shifts endothelial progenitor cell morphology and function: Role of metabolism, pro-inflammatory cytokines and foetal sex Chair: Rina Demjaha	Oral Presentations Session II <i>MC3</i> Cancer Katharina Schindlmaier Metabolic Adaptation of Glucose-starved Macrophages Involves Partial Gluconeogenesis Silvia Andaloro Elucidating the biology and release of ctDNA in nonmetastatic colorectal cancer Akshaya Kailasnathan The Therapeutic role of Cyclin Dependent Kinase 9 inhibition in RAS-mutated Chronic Myelomonocytic Leukemia Chair: Ilona Mertelseder
9:30 – 9:40	Break	

<p>09:40 – 11:00</p>	<p>Poster Walk Session I & Free Poster Viewing <i>Foyer 1st floor above Aula</i></p> <table border="0"> <tr> <td data-bbox="209 360 847 741"> <p>Metabolism, Circulation & Inflammatory Diseases I</p> <p>Fürlinger A., Strohhofer C., Soukhaklari R., Diaz M., Mukherjee S., Xu R., Schooltink L. Filelfi S.</p> <p>Chair: Mar Chic Campos</p> </td><td data-bbox="847 360 1503 741"> <p>Immunology, Microbiome & Respiratory Diseases I</p> <p>Ghosh A., Hadick A-K., Waked P., Neumann C., Hodl I.</p> <p>Chair: Veronika Huber</p> </td></tr> <tr> <td data-bbox="209 741 847 1173"> <p>Sustainable Health Research & Clinical Science I</p> <p>Ziegler T., Hilberger H., Zwitter K., Ginthör N., Aberger S., Lodron J., Rijksen M., Lindner M., Zenz S., Müller C-T., Baumann P., Guttman A.</p> <p>Chair: Marta Szmyra-Połomka</p> </td><td data-bbox="847 741 1503 1173"> <p>Cancer</p> <p>Rief A., Fernandez-Hernandez F.J., Sadeghi H., Moser M.J., Gabrijelčič S., Weiermair T., Chaida P., Zupo A., Lueger A., Sagmeister H., Scheipner L., Vejzovic D., Steiner B.</p> <p>Chair: Satinee Xuying Loh</p> </td></tr> </table>	<p>Metabolism, Circulation & Inflammatory Diseases I</p> <p>Fürlinger A., Strohhofer C., Soukhaklari R., Diaz M., Mukherjee S., Xu R., Schooltink L. Filelfi S.</p> <p>Chair: Mar Chic Campos</p>	<p>Immunology, Microbiome & Respiratory Diseases I</p> <p>Ghosh A., Hadick A-K., Waked P., Neumann C., Hodl I.</p> <p>Chair: Veronika Huber</p>	<p>Sustainable Health Research & Clinical Science I</p> <p>Ziegler T., Hilberger H., Zwitter K., Ginthör N., Aberger S., Lodron J., Rijksen M., Lindner M., Zenz S., Müller C-T., Baumann P., Guttman A.</p> <p>Chair: Marta Szmyra-Połomka</p>	<p>Cancer</p> <p>Rief A., Fernandez-Hernandez F.J., Sadeghi H., Moser M.J., Gabrijelčič S., Weiermair T., Chaida P., Zupo A., Lueger A., Sagmeister H., Scheipner L., Vejzovic D., Steiner B.</p> <p>Chair: Satinee Xuying Loh</p>
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<p>11:00 – 11:10</p>	<p>Break</p>				
<p>11:10 – 12:10</p>	<p>Keynote Lecture <i>AULA</i></p> <p>Anna Obenauf IMP Vienna</p> <p>“Unlocking Immunity: Decoding and Reprogramming the Immune-Evasive Tumor Microenvironment”</p> <p>Chairs: Katharina Leithner, Michaela Stoiber, Joseph Jelwan</p>				
<p>12:10 – 13:15</p>	<p>Lunch Break</p> <p>Also, check out the company representatives next to the buffet behind the <i>AULA</i> for useful information and networking!</p> <p>Presenter from Poster Walk Session II: Please check the allocation list displayed in the foyer on the 1st floor above the Aula. Make sure to hang your poster from 12:45 onwards, but no later than the start of your session.</p>				

<p>13:15 – 14:00</p>	<p>Oral Presentations Session III <i>AULA</i></p> <p>Immunology, microbiome research & respiratory disease</p> <p>Julia Teppan Molecular circadian clock of eosinophils: A potential therapeutic target for asthma</p> <p>Isabella Faimann Environmental Enrichment Modulates Behaviour via Microbiota-Gut-Brain Axis Signalling</p> <p>Katharina Brandl Deciphering the antigen presentation capacity in the post-MI heart</p> <p>Chair: Andreas Steiner</p>	<p>Oral Presentations Session IV <i>MC3</i></p> <p>Neuroscience & Orthopaedic Science</p> <p>Lukas Repnik Neural blueprint of psychological resilience: Mapping NEO-FFI personality profiles onto resting-state fMRI network dynamics within the Human Connectome Project</p> <p>Cansu Tafrali Choroid plexus volume and serum neurofilament light levels in relation to brain atrophy and lesion load in multiple sclerosis</p> <p>Ilona Mertelseder ZX00 vs WE43 – fracture healing comparison in vivo</p> <p>Chair: Melina Winkler</p>
<p>14:00 – 14:10</p>	<p>Break</p>	
<p>14:10– 15:10</p>	<p>Scientific Skills Session <i>AULA</i></p> <p>Peter Holzer – “Scientific integrity in the era of artificial intelligence” Tobias Rasse - “How do you measure your life”</p> <p>Chairs: Christian Wadsack, Azra Kulovic-Sissawo</p>	
<p>15:10 – 15:20</p>	<p>Break</p>	

15:20 – 16:40	Poster Walk Session II & Free Poster Viewing <i>Foyer 1st floor above Aula</i>		
	Metabolism, Circulation & Inflammatory Diseases II	Immunology, Microbiome & Respiratory Diseases II	Sustainable Health Research & Clinical Science II
	Schmid S., Riahi Z., Akyol A., Kamenski T., Steiner A., Schönbacher L., Toth K.,	Sever Yildiz G., Scholz L., Radic N., Yang Y., Petracco G., Aronis C., Ellmeier E.	Dorn A., Riedlbauer R.A., Egger B., Hadzic A., Winkler M., Resch-Poteralski E., Weigl S., Sommer M., Slanitz C., Huber V., Bosch P.
	Chair: Charlotte Neumann	Chair: Azra Kulovic-Sissawo	Chair: Michaela Stoiber
	Neuroscience & Orthopaedic Science	Computational & Structural Science / Varia	
	Leitner M., Ritter P., Demjaha R., Kalcher E., Koutp A. (2x), Stahle C., Valentini M., Suette M.	Steyer E., Steyer G.E., Kalson L., Maitz E., Hutter M.F., Meuser A.H., Bresilla D., Ostaku J., Bickaite K., Nartey A., Slaats E., Bramreiter B.	
	Chair: Joseph Jelwan	Chair: Antonella Zupo	
16:40 – 16:50	Break		

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<p>16:50 – 17:35</p>	<p>Oral Presentation Session V <i>AULA</i></p> <p>Sustainable Health Research & Clinical Science</p> <p>Lukas Höflechner Preliminary Data of a randomized trial comparing filtering glaucoma surgeries: XEN vs. Preserflo vs. Trabeculectomy</p> <p>Viktoria Santner Left ventricular global longitudinal strain and diagnostic yield of genetic testing in hypertrophic cardiomyopathy – a multicenter registry analysis</p> <p>Sven Heldt Diagnostic potential of cytokines and chemokines in patients with hematological malignancies at risk for invasive mold infections</p> <p>Chair: Suravi Mukherjee</p>	<p>Oral Presentation Session VI <i>MC3</i></p> <p>Computational & Structural Science / Varia</p> <p>Benjamin Spiegl Capturing Chromatin Dysregulation in Cancers: Leveraging the Link Between DNA Fragmentation and Nucleosome Positioning</p> <p>Tanja Strini Activation of PAR4 enhances osteoclast differentiation and bone resorption</p> <p>Nikolaus Stranger Radiography-based AI decision support for further post-traumatic knee MRI referral in children - a pilot study</p> <p>Chair: Lipika Kalson</p>
<p>17:35 – 17:50</p>	<p>DocDay 2025 Quiz <i>AULA</i></p> <p>Alexander Deutsch</p>	
<p>17:50 – 18:15</p>	<p>Awards and closing remarks <i>AULA</i></p> <p>Christian Wadsack – Dean of Doctoral Studies Katharina Leithner – Head of the Organizing Committee DocDay 2025</p>	
<p>18:15 – 21:30</p>	<p>Get together <i>MC5</i></p> <p>Social networking with drinks, snacks and music.</p>	

KEYNOTE LECTURE

“Unlocking immunity: Decoding and reprogramming the immune-evasive tumor microenvironment”



DR. ANNA OBENAUF

**Institute of Molecular Pathology
Vienna, Austria**

Anna C. Obenauf studied molecular biology at the Karl-Franzens-University in Graz and obtained her PhD in 2010 from the Department of Human Genetics at the Medical University of Graz. From 2010 to 2015 she worked as a postdoctoral research associate in the group of Joan Massagué at the Memorial Sloan Kettering Cancer Center (MSKCC) in New York, USA - the first three years of which were funded by the Austrian Research Fund's (FWF) Erwin Schrödinger Programme.

In 2016 Anna established her lab at the Research Institute of Molecular Pathology (IMP) in Vienna. Her work is funded by *the FWF (Emerging fields and doc.funds programmes)* and the WWTF (*Wiener Wissenschafts-, Forschungs- und Technologiefonds*). In 2018, she received an *ERC Starting Grant* for her research project "*CombaTCancer: Rational combination therapies for metastatic cancer*" and in 2023 an *ERC Consolidator Grant* for the project "UnlockIT: Unleashing T cell-mediated immune response in therapy-challenged tumours". Anna Obenauf is a member of the Young Academy of the Austrian Academy of Sciences since 2019 and a full EMBO (*European Molecular Biology Organization*) member since 2023.

Anna Obenauf received prestigious prizes, including the ASciNA (Austrian Scientists and Scholars in North America) Prize of the Austrian Federal Ministry of Education, Science and Research in 2015 and the Wachtel Cancer Research Award by the American Association for the Advancement of Science (AAAS) in 2022. Together with her research group, she focusses on investigating the molecular processes that drive cancer metastasis and ability of cancer cells to evade the immune system. Anna Obenauf and her team discovered that melanomas that develop resistance to targeted therapies and re-activate oncogenic signalling pathways can acquire resistance to immunotherapy. The Obenauf lab seeks to deliver both, insights into general molecular principles and scientific evidence to guide the development of combination therapies in the clinic, with the aim to yield long-lasting responses. Moreover, the group introduced innovative methods, e.g. CaTCH (CRISPRa tracing of clones in heterogeneous cell populations), a tool for cancer cell lineage tracing.

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