



NAWI Graz
Natural Sciences



DOC DAYS
2025

23RD – 24TH APRIL | GRAZ, AUSTRIA



17TH anniversary

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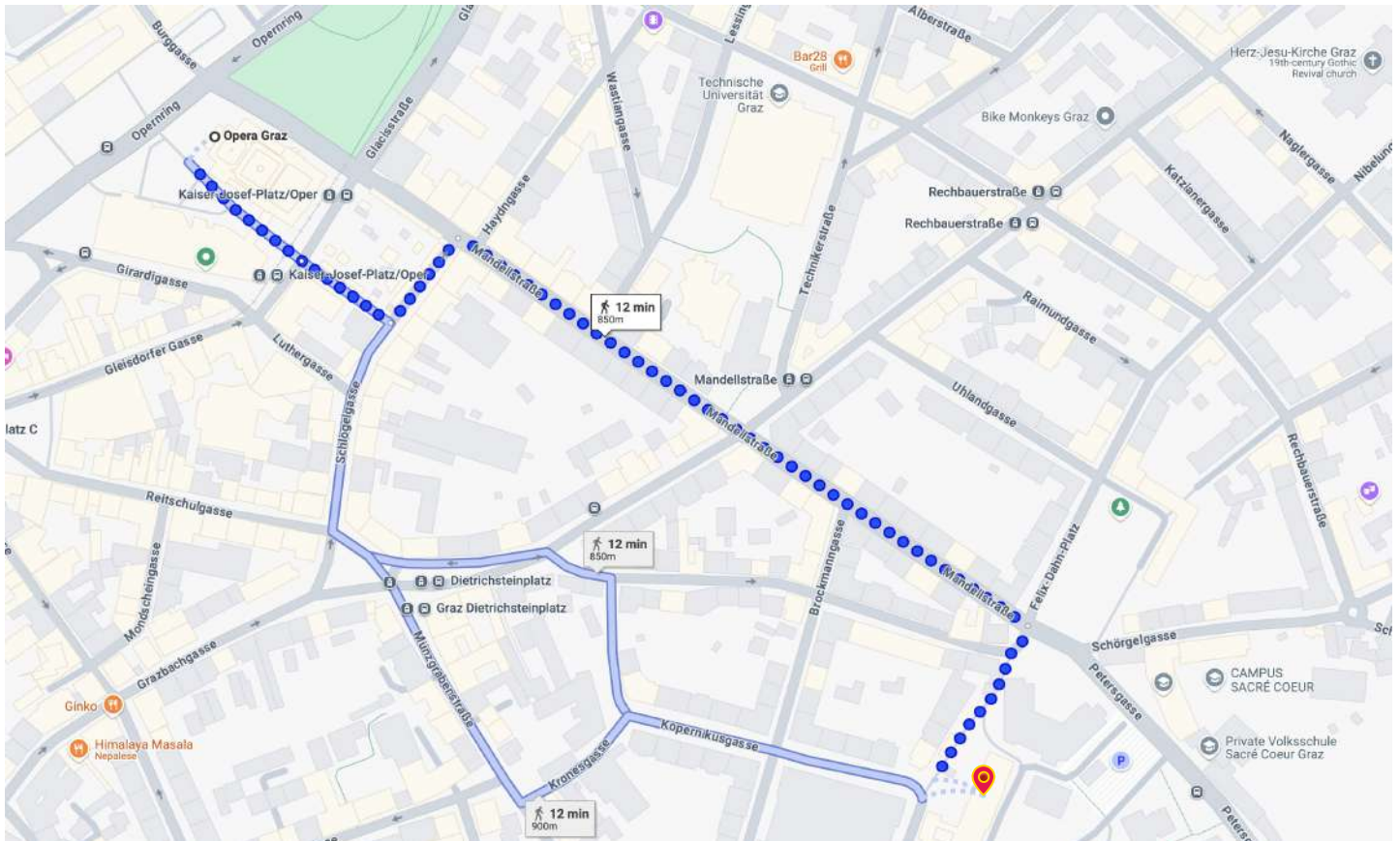


Conference Venue

Poster Session & Main Event

Where To Go

The Poster Session and Main Event of DocDays 2025 will be held at **Stremayrgasse 16**, specifically in **Lecture Hall BMT (BMTEG138)**, located on the ground floor of the building.



Address

Stremayrgasse 16,
Graz, Austria, 8010.



Rooms

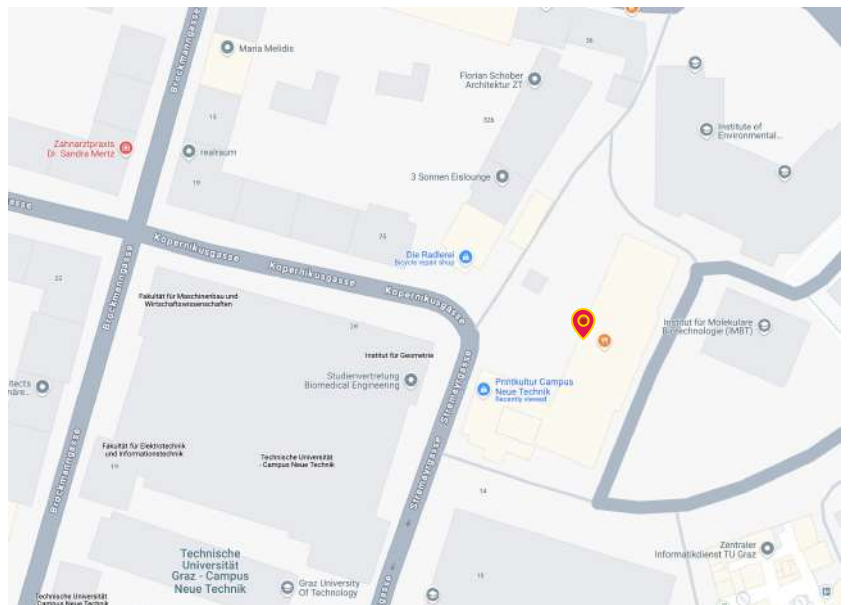
BMTEG138 (Presentations)
Main Hall (Poster & Lunch)



When

April 23rd from **8:15** to **18:30**

April 24th from **9:00** to **17:30**



Wednesday

23rd April

08:15-09:00	Registration and Poster Preparation	
09:00-09:25	Welcome and Opening Ceremony Representative of the City of Graz Vice-Rector Andrea Höglinger (TU Graz) Vice-Rector Joachim Reidl (Uni Graz)	
09:25-10:25	Students Talks (Session 1) Chair Melissa Egger (TU Graz) ST01 Lena Hofbauer (TU Graz) <i>The influence of alcohol properties on the reaction rate of aliphatic isocyanate conversion</i> ST02 Lilla Gal (Uni Graz) <i>Enzyme catalyzed C-formylation of resorcinol derivatives</i> ST03 Christian Maier (TU Graz) <i>Investigation of the Gas Sensing Performance of CuO Sensors Functionalized with Different Stabilized Au-NPs</i>	
10:25-10:35	Coffee Break	(10 min)
10:35-11:35	Students Talks (Session 2) Chair Markus Rotzinger (Uni Graz) ST04 Klara Silber (Uni Graz) <i>Kinetic Modeling of a Telescoped Reaction from Dynamic Flow Data</i> ST05 Christoph Schmidleitner (TU Graz) <i>Polymerization gone wild: On Frontal Polymerization of Dynamic Networks</i> ST06 Stephan Vrabl (Uni Graz) <i>Regio- & Stereoselective Oxyfunctionalization of Carboxylic Acids by P450 Peroxygenases</i>	
11:35-11:50	Coffee Break	(15 min)
11:50-12:50	Students Talks (Session 3) Chair Konstantin Knaipp (TU Graz) ST07 Alexander List (Uni Graz) <i>A Multimer Embedding Approach for the Description of Molecular Crystals</i> ST08 Annika Marko (TU Graz) <i>Ion Dynamics in the $\text{Li}_7\text{SiPS}_8/\text{Li}_6\text{PS}_5\text{Br}$ Hybrid Solid Electrolyte Studied by NMR</i> ST09 Corinna Kawaus (Uni Graz) <i>Biocatalytic Macrolactonization Utilizing Thioesterases and Lipases</i>	
12:50-13:50	Lunch Break	 (1 hour)

Wednesday

23rd April

	Students Talks (Session 4) Chair Niklas Stix (Uni Graz)
13:50-15:10	<p>ST10 Niklas Sulzer (Uni Graz) <i>Kinetic Modelling of Thiol Oxychlorination via Low Field 1^H and 19^F NMR Measurements in a Continuous Flow Setup</i></p> <p>ST11 Andreas Matijevic (TU Graz) <i>Advancing Optical Ammonia Sensors: Design, Development and Performance</i></p> <p>ST12 Nathalia Vargas-Valverde (Uni Graz) <i>Effect of water miscible organic co-solvents on biocatalyst stability</i></p> <p>ST13 Renáta Raptová (TU Graz) <i>Photochemical Preparation of Cross-Linked, Star-Shaped Polymers Based on Multifunctional Acylphosphine-Oxide Photoinitiators</i></p>
15:10-15:25	Coffee Break (15 min)
	Students Talks (Session 5) Chair Matteo Aleotti (Uni Graz)
15:25-16:45	<p>ST14 Emmanouil Chatzakis (Uni Graz) <i>Biocatalytic Synthesis of Challenging Lactones</i></p> <p>ST15 Clara Roller (TU Graz) <i>A Happy Marriage? Phosphorus and the Group 14 Elements in NonTraditional Bonding Environments</i></p> <p>ST16 Eleonora Palmerini (Uni Graz) <i>Base Metal Nanoparticles stabilized in alternative reaction media for Cross-coupling reactions</i></p> <p>ST17 Verena Lipic (TU Graz) <i>MTV-approach in enzyme@MAF synthesis for enhancing material's bio-activity</i></p>
16:45-16:55	Coffee Break (10 min)
16:55-18:35	Poster Session






Thursday

24th April

09:00-10:00	Plenary Lecture Chair Wolfgang Kroutil (Uni Graz) PL01 Prof. Dr. Mario Waser (JKU Linz, Austria) <i>Chiral Isochalcogenourea Lewis Base Organocatalysis</i>
10:00-10:15	Coffee Break (15 min)
10:15-11:35	Students Talks (Session 6) Chair Stephan Vrabl (Uni Graz) ST18 Matteo Aleotti (Uni Graz) <i>Catalytic promiscuity within the aspartase/fumarase superfamily</i> ST19 Melissa Egger (TU Graz) <i>Nickel xanthate: thermal conversion pathway, applications, and other stories</i> ST20 Florian L. Wagner (Uni Graz) <i>Selecting Categorical Parameters in Fully Automated Bayesian Reaction Optimization</i> ST21 Alexander Komar (TU Graz) <i>Lead-free piezoelectric thin films based on BiFeO₃-BaTiO₃</i>
11:35-11:50	Coffee Break (15 min)
11:50-13:10	Students Talks (Session 7) Chair Verena Lipic (TU Graz) ST22 Delfina Zanutto (Uni Graz) <i>Synthesis of modulators (activators/inhibitors) for precise and temporal and spatial control of mammalian (human) Ca²⁺-transporting ion-channels (TRP and CRAC)</i> ST23 Marisa Sánchez (Uni Graz) <i>Biocatalytic reduction of pre-formed aromatic imines</i> ST24 Stefan Schwaiger (Uni Graz) <i>A Modular Approach to the Synthesis of Novel, Lignin-based Biocidal Agents</i> ST25 Micheal Furtmair (TU Graz) <i>On the Influence of Fast Charging on Lithium-Ion Battery Performance</i>
13:10-14:10	Lunch Break (1 hour)

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Thursday 24th April

	Students Talks (Session 8) Chair Christoph Schmidleitner (TU Graz)
14:10-15:10	<p>ST25 Simon Renner (TU Graz) <i>Catalyst recycling in vitrimer polymers</i></p> <p>ST26 Nikola Petrovic (Uni Graz) <i>Applications of Scaled-up Electroorganic Synthesis in Batch and Flow Mode</i></p> <p>ST27 Ferenc Minya (Uni Graz) <i>Iron-catalysed Kumada-type cross coupling for the synthesis of APIs and bipyridines</i></p>
15:10-15:25	Coffee Break (15 min)
	Industry Talks Chair Michaela Flock (TU Graz)
15:25-16:50	<p>IT01 Saubermacher Dienstleistungs AG (Feldkirchen bei Graz, Austria) </p> <p>IT02 Anton Paar GmbH (Graz, Austria) </p> <p>IT03 Lam Research (Villach, Austria) </p> <p>IT04 Thermo Fisher Scientific (Linz, Austria) </p> <p>IT05 Junge Chemie, GÖCH (Austria) </p>
16:50-17:00	Coffee Break (10 min)
17:00-17:30	<p>Awards Ceremony</p> <p>Best 2 PhD Talks Awards</p> <p>Best 2 PhD Poster Awards</p> <p>Sponsored by Saubermacher, LamResearch, Anton Paar GmbH and Thermo Fisher Scientific</p> <p>Closing Remarks</p> <p>End of DOCDays2025</p>
18:30-Open End	Social Event at Brot & Spiele

Saubermacher

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