

# 6<sup>th</sup> Conference of Scientific Cooperation between Lower Saxony and Israel

18.-19. March 2024

Leibnizhaus, Hannover



## Monday – March 18<sup>th</sup> 2024

08:30	Registration
10:00	Welcome
<b>Humanities Block 1 / 2, Chairman: Thomas Scheper</b>	
10:15	<u>KEYNOTE LECTURE (30 min talk and 5 min discussion)</u> Anselm C. Hagedorn & Roy Albag (University of Osnabrück), “The Excavations in Tel Moza and their 3D Reconstructions” / “3D archaeological reconstruction as a research and presentation tool”
10:50	Berit Hildebrandt (University of Göttingen), “Textiles from the Excavations of Middens at Nahal Omer/Israel and the Evidence for Early Islamic Trade Networks”
11:15	Svetlana Natkovich (University of Haifa) & Katja Wezel (University of Göttingen), “Town of Smugglers and Sages — The Shtetl of Žagory as a Center of Jewish Intellectual Life in the 19 <sup>th</sup> Century Russian Empire, 1830s—1860s”
11:40	Ernst Wimmer (University of Göttingen), “Genome-editing-based, neo-classical sexing strains to fight the invasive agricultural pest, <i>Drosophila suzukii</i> , by the ecologically safe sterile insect technique”
12:05	Moritz Düttemeyer (Ministry of Science and Culture), presentation of the research collaboration program
12:15	Lunch break and poster session
<b>Humanities Block 2 / 2, Chairman: Shimshon Belkin</b>	
13:15	Esther Greussing (TU Braunschweig), “Talking to machines, deciding with machines: Public engagement with science in the era of Artificial Intelligence (ALIES)”
13:40	Andreas Fuchs (University of Göttingen), “Economic and Ideological Causes of Political Radicalization and Violence: Evidence From the 1789 French Revolution”
14:05	Christoph Kudella (University of Göttingen), “Networked Texts and Images in Early Modern Jewish Mystical Cosmographs”
14:30	Mark Schweda (Carl von Ossietzky University of Oldenburg), “Moral conflicts in live-in care for people with dementia in Germany and Israel: Empirical insights and ethical considerations”
14:55	Silke Schicktanz (University of Göttingen) & Nadav Davidovitch (University of the Negev), “The Legacy of Nazi Medicine in Contemporary Mental Health Ethics –Comparing Israel and Germany”
15:20	Presentation of the “ILLSE” exchange program
15:30	Coffee break and poster session
<b>Medicine and Life Science Block 1 / 3, Chairman: Lars-Erik Meyer</b>	
16:15	Antonietta De Sio (Carl von Ossietzky University of Oldenburg), “Do anharmonic lattice vibrations govern charge carrier motion in halide perovskites?”
16:40	Natalia Tschowri (Leibniz University Hannover) & Asaf Levy (Hebrew University of Jerusalem), “Characterization of a microbial toxin delivery system – the extracellular contractile injection system”
17:05	Andreas Fischer (University of Göttingen), “Endothelial Notch signaling promotes tumor progression and cachexia”
17:30	Oscar Puebla (University of Oldenburg) & Derya Akkaynak (University of Haifa), “Benthic Color and Ecosystem Function”
17:55	Coffee break and poster session
<b>Conference special lecture, Chairman: Thomas Scheper</b>	
18:30	<u>CONFERENCE SPECIAL LECTURE (30 min talk and 5 min discussion)</u> Gerhard Wegner (Lower Saxony State Representative against Anti-Semitism and for the Protection of Jewish Life), “Creating meaning through democracy? Prerequisites for successful coexistence.”
19:00	Dinner

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## Tuesday – March 19<sup>th</sup> 2024

09:00	Welcome
	<b>Medicine and Life Science Block 2 / 3, Chairwoman: Selin Kara</b>
09:15	<u>KEYNOTE LECTURE (30 min talk and 5 min discussion)</u> Ester Segal (Technion-Israel Institute of Technology), “Nanotechnologies for detecting and mitigating antimicrobial resistant bacteria”
09:40	Jochen Rink (Max Planck Institute for Multidisciplinary Sciences) & Omri Wurtzel (Tel Aviv University), “Transgenerational epigenetic inheritance in planarians”
10:05	Till Strowig (Helmholtz Centre for Infection Research) & Amiram Ariel (University of Haifa), “Aberrant microbiota-host crosstalk in type I interferon deficient mice and its impact on metabolic dysfunction”
10:30	Markus Zweckstetter (German Center for Neurodegenerative Diseases) & Meytal Landau (Technion-Israel Institute of Technology), “From inhibition of amyloid toxicity to reactions in biomolecular condensates”
10:55	Coffee break and poster session
	<b>Medicine and Life Science Block 3 / 3, Chairman: Thomas Scheper</b>
11:15	Victoria Hegner (University of Göttingen) & Dani Schrire (Hebrew University of Jerusalem), “Reflections on the materiality of postcards: Collecting, hertiagization and academic communication”
11:40	Ohad Gal-Mor (Infectious Diseases Research Laboratory, Sheba Medical Center), “New strategies to prevent infection by intracellular bacterial pathogens using bioactive non-bactericidal compounds”
12:05	Lunch break and poster session
	<b>Natural Science Block, Chairwoman: Ester Segal</b>
13:15	<u>KEYNOTE LECTURE (30 min talk and 5 min discussion)</u> Selin Kara (Leibniz University Hannover), “Process intensification for enzymatic decarboxylations: Transitioning from lab to industrial scales”
13:50	Armin Feldhoff (Leibniz University Hannover) & Gideon Grader, “Texturing of ceramics based on electrospun nanoribbons: A route to superior performance of $\text{Ca}_3\text{Co}_{4-x}\text{O}_{9-\delta}$ thermoelectrics”
14:15	Johanna Noria Brecher (TU Braunschweig), “Formation and evolution of planetary bodies: experiments and modeling”
14:40	Jens Boy (Leibniz University Hannover), “Tipping points in biogenic weathering along two aridity gradients”
15:05	<b>Selin Kara: Concluding remarks of the conference, end of the conference</b>

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## Poster Presentations

1. **“Interfacial vs. bulk protons: How they alter ATP synthase activity”**  
Hendrik Flegel, Ambili Ramanthrikkovi, Nadav Amdursky, Claudia Steinem
2. **“Integration of optical porous silicon biosensors into 3D-printed microfluidics for biomarker detection”**  
Kayan Awawdeh, Marc A. Buttkewitz, Ester Segal, Janina Bahnemann
3. **“The interplay of mRNA-binding proteins and polarity factors are fundamental for polar and directed growth in fungal cells”**  
Lucas Well
4. **“The BiST of Burden: Harnessing biased STING agonists to enhance the resolution of inflammation and limit tissue fibrosis”**  
Nofar Ben Jashar, Uzma Saqib, Sagie Schif-Zuck, Amiram Ariel
5. **“Potential of Endothelial Colony Forming Cells (ECFCs) for Tissue Engineering and in Diagnostics”**  
Jana Krüger, Sebastian Heene, Rebecca Jonczyk, Cornelia Blume
6. **“Light inducible gene activation for BDNF release”**  
Elena Wiebe, Sina Christoffers, Cornelia Blume
7. **“MinDial = reduction of dialysis risk”**  
Lisa Seiler, Susanne Stolpe, Dominikus Stelzer, Erika Graf, Bernd Kowall, Marcus Hahn, Markus Hollenbeck, Cornelia Blume
8. **“Aberrant microbiota-host crosstalk in type I interferon deficient mice and its impact on metabolic dysfunction”**  
Shira Ben-Simon

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