

Program 2. LIFE Symposium – CONNECTing TALENTs



27.11.2023, 12 pm - 6 pm

Zeiss-Planetarium & Auditorium "Zur Rosen", Johannisstr. 13, Jena

Film Screening at the Zeiss-Planetarium Jena **12:00-12:30**
"Into the Microverse – Journey through the Amazing World of Microbes"

Welcome & Introduction: Ute Hellmich & Michael Bauer **13:00-13:10**

What has happened so far? **13:10-13:35**

3 Min pitch talks of LIFE "Talent" and "Connect" Dec2021 - June2022

CONNECT Omer Nevo *"The evolution of fruit scent: the hidden role of microbes"*

CONNECT Matthew Agler *"Investigating microbiome-metabolome crosstalk in tree leaf pathogen dynamics"*

CONNECT Nico Ueberschaar *"Mass Spectrometry as Fast Tool for the Comparative DNA Methylome Analysis"*

TALENT Slavica Janevska *"Exploiting a fungal luciferase gene cluster"*

TALENT Marcel Bliedtner *"Past human-climate interactions in the southern European Alps and its implications for future climate change predictions"*

TALENT Katharina Reglinski *"Quantification and activation of peroxisomal matrix protein import in light microscopy"*

TALENT Kathrin Fröhlich *"It's a match! Identification of gene regulatory networks involving non-coding RNAs"*

Session 1 - Chair: Michael Bauer

CONNECT fund: **Holger Bierhoff** **13:35-13:50**
"Exploration of a novel anti-cancer therapy based on the regulatory RNA PAPAS"

CONNECT fund: **Alexandra Furch** **13:50-14:05**
"The role of the phloem in plant defence and protection"

20 Min Coffee break

Session 2 - Chair: Jasmin Mertens

CONNECT fund: **Adrian Tibor Press** **14:25-14:45**
"Visualizing hepatic actin network dynamics for in vivo manipulations by intravital microscopy"

CONNECT fund: **Christian Eggeling** **14:45-15:00**
"Measuring biological membrane permeability with advanced microscopy"

CONNECT fund: **Nia Verdon (RG Allen) and Ashkan Samimi (RG Rosenbaum)** **15:00-15:15**
"Antibiotic response of small bacterial populations using high-throughput microfluidic droplets"

TALENT fund: **Florian Meier-Rosar** **15:15-15:30**
"Elucidating drug response by high-dimensional phosphoproteomics"

20 Min Coffee break

Session 3 - Chair: Jasmin Mertens

TALENT fund: **Christian Franke** **15:50-16:05**
"Quantitative 3D scanning of Mice & Mice Whiskers"

TALENT fund: **Julia Greiser** **16:05-16:20**
"Radiopharmaceuticals for functional liver imaging with positron emission tomography"

TALENT fund: **Kevin Jablonka** **16:20-16:35**
"How well do Large Language Models Understand Chemistry?"

TALENT fund: **Paul Mike Jordan** **16:35-16:50**
"The biological role of lipid mediators from mast cells in inflammation and resolution"

30 Min Coffee break

Siegfried Czapski Publication prize **17:20-17:35**

(The Jena Alliance of Graduate Schools, Carl Zeiss Foundation)

Laudatio: Christian Franke

Chang Liu and Wilhelm Eschen

"Extreme Ultraviolet microscopy provides novel insights into microorganisms"

Best CONNECT and TALENT presentation award and final remarks **17:35-17:50**
