



The Emergence of Galaxies and their Supermassive Black Holes as Seen by JWST in Concert with other Observatories

WE-Heraeus-Symposium

10 November 2022

**Berlin Brandenburgische
Akademie der Wissenschaften (BBAW)
Berlin**

PROGRAM

08:00 **REGISTRATION / WELCOME COFFEE**

09:00 Matthias Steinmetz **Welcome and Introduction**

Stefan Jorda **Welcome Address**

Chair: Joachim Wambsganß

09:15 Jeyhan Kartaltepe **What has JWST Taught us About Galaxy Structure in the Early Universe?**

09:45 Eva Schinnerer **Uncovering Cloud and Star Formation in Nearby Galaxies with JWST**

10:15 Linda Tacconi **A (Sub)mm View of Galaxy Formation and Evolution**

10:45 **COFFEE BREAK**

Chair: Cristina Chiappini

11:15 Reinhard Genzel (online) **The Formation and Early Evolution of Galaxies and their Central Black Holes**

11:45 Lutz Wisotzki **Mapping the Gas around Galaxies with MUSE and HETDEX**

12:15 Debora Sijacki **Unveiling the Emergence of First Galaxies and Supermassive Black Holes with Cosmological Simulations in the JWST Era**

12:45 **LUNCH BREAK**

PROGRAM

Chair: Achim Stahl

- 14:00 Melanie Habouzit **Massive Black Holes across Cosmic Time: What Will We Learn from JWST and Other Next-Generation Facilities**
- 14:30 Alberto Sesana **Gravitational Wave Astronomy – Studying Supermassive Black Holes with LISA**
- 15:00 Jason Rhodes **Surveying the IR Cosmos with ESA’s Euclid**
- 15:30 Phil Diamond **The Impact of the Square Kilometre Array on the Study of the Emergence of Galaxies in our Universe**
- 16:00 *COFFEE BREAK*

Chair: Tanya Urrutia

- 16:30 Lidia Tasca **MOSAIC: The Multi-object Spectrograph for the ESO Extremely Large Telescope**
- 17:00 Roland Bacon **WST - The Wide Field Spectroscopic Telescope**
- 17:30 Michael Kramer **JWST in the German Astronomy Landscape**
- 18:00 Günther Hasinger **Paving the Way to a New Center for Astrophysics in Lusatia (DZA)**
- 18:30 *RECEPTION*
- 19:30 *END*

Scientific Organizers:

Prof. Dr. Matthias Steinmetz
Leibniz-Institut für Astrophysik Potsdam
Germany



Leibniz-Institut für
Astrophysik Potsdam

Prof. Dr. Günther Hasinger
ESA, Madrid
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**WILHELM UND ELSE
HERAEUS-STIFTUNG**



The symposium is part of the
Berlin Science Week 2022.

