

# Decoding cellular complexity: Single cell biology in the era of AI

In partnership with Helmholtz Munich

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Single-cell analysis techniques are transforming our understanding of cellular function in health and disease. Rapid advances in multi-omics, perturbation technologies, lineage tracing, imaging, and AI-driven computation are enabling deeper insights into how cells interact, function in context, and change over time across development, aging, and disease.

Key questions remain around translating these discoveries into therapeutic advances. This symposium will bring together researchers across diverse biological systems, spanning the full experimental and analytical toolkit of single-cell biology.

## Speakers

**Ido Amit**, Israel

**Paolo Casale**, Germany

**Theodore Alexandrov**, USA

**Jinmiao Chen**, Singapore

**Tiannan Guo**, China

**Muzlifah Haniffa**, UK

**Hae Kyung Im**, USA

**Sten Linnarsson**, Sweden

**Mo Lotfollahi**, UK

**Matthias Mann**, Germany

**Andreas Moor**, Germany

**Dana Pe'er**, USA

**Rahul Satija**, USA

**Sydney Shaffer**, USA

**Liran Shlush**, Israel

**Ewa Szczurek**, Germany

**Kikuë Tachibana**, Germany

**Caroline Uhler**, USA

**Xun Xu**, China

**Judith Zaugg**, Switzerland

## Organizers

**Carsten Marr**, Helmholtz Munich, Germany

**Fabian Theis**, Helmholtz Munich, Germany

**Barbara Treutlein**, ETH Zurich, Switzerland

**Bernadett Gaál**, Editor-in-chief, *Cell Systems*

**Judith Nicholson**, Scientific editor, *Cell Genomics*

Abstract submission deadline: **July 17, 2026**

Early registration discount deadline: **September 25, 2026**



[cell-symposia.com/single-cell-biology-2026](https://cell-symposia.com/single-cell-biology-2026)