





RESEARCH FELLOW CANDIDATE TALKS · NOVEMBER 2026

Meet the future of AI & neuroscience research

20 rising scientists share their work on learning theory, neural circuits, language models, world models and more.

Nov 12, 13, 19 & 20 · **Live on Zoom**

THURSDAY Nov 12

12:00 PM
Ido Aizenbud
Hebrew University of Jerusalem
The Computational Power of Single Neurons: Dendrites as Architectural Primitives for Neural Networks

12:45 PM
Yatin Dandi
École polytechnique fédérale de Lausanne
How Neural Networks Learn Features: Low-Degree Correlations and Collective Dynamics

1:30 PM
Jiecheng Lu
Georgia Institute of Technology
From Attention Mechanisms to Memory Systems in Sequence Models

2:15 PM
Sheng-Yu Wang
MIT CSAIL & Northeastern University
Tracing Model Behavior Back to Training Data

3:00 PM
Gautam Chandrasekaran
UT Austin
Beyond worst-case algorithms for learning

FRIDAY Nov 13

12:00 PM
Yifan (Frank) Zhang
Princeton University
Physics for Artificial Intelligence: Locality, Correlations, Phases, and Universality

12:45 PM
Xiaoshan Wu
The University of Hong Kong

1:30 PM
Yu Huang
University of Pennsylvania
The Mathematical Foundations of Learning to Reason in Large Language Models

2:15 PM
Mitchell Ostrow
Massachusetts Institute of Technology
Dynamical systems as a framework for interpreting and comparing brains and machines

3:00 PM
Peter Halmos
Princeton University

THURSDAY Nov 19

10:00 AM
Daniel Barzilai
Weizmann Institute of Science
Some Very Old and Very New Problems in Learning Theory

10:45 AM
Gege Gao
University of Tübingen & ETH Zürich
Structure as a Harness: Toward Physically Grounded World Models

11:30 AM
Ábel Ságodi
Champalimaud Centre for the Unknown
Dynamical archetypes identify attractor structure in neural circuits

12:15 PM
Alex Gower
University of Cambridge
How Much Intelligence Can You Get from Relaxation?

1:00 PM
Nikhil Bhattasali
New York University
Building embodied, integrated models of the nervous system

FRIDAY Nov 20

1:00 PM
Eilam Shapira
Technion – Israel Institute of Technology
Strategic Multi-Agent Interaction with Human Language

1:45 PM
Soroor Hediyeh-zadeh
Helmholtz Munich
Adaptive AI for cell state biology

2:30 PM
Javier Maravall-López
Harvard University
Combining statistical genetics with machine learning towards mechanistic and therapeutic hypotheses of human disease

3:15 PM
Saujas Vaduguru
Carnegie Mellon University
Learning Efficient Multi-turn Communication

4:00 PM
Chau Pham
University of Maryland, College Park

Kempner INSTITUTE at Harvard University

Register to attend

Scan the code to register and get the Zoom link.
Join one talk or as many as you like. All times ET.