

CBMM First Annual Retreat

Flash Presentations

Knowledge Transfer

Title: **Updates from the CBMM summer school**
Presenter: Leyla Isik

Thrust 1: Development of Intelligence

Title: **Eye-tracking causality: A counterfactual simulation model of causal judgments**
Presenter: Tobi Gerstenberg

Title: **Reverse engineering commonsense psychology.**
Presenter: Julian Jara-Ettinger

Title: **Perceiving Physical Object Properties by Integrating a Physics Engine with Deep Learning.**
Presenter: Ilker Yildirim

Thrust 2: Circuits for Intelligence

Title: **Full interpretation of minimal images**
Presenter: Guy Ben-Yosef

Title: **Generative Predictive Neural Networks**
Presenter: Bill Lotter

Title: **Assessing the role of hippocampal replay in retrospective revaluation**
Presenter: Hector Penagos

Title: **Close-Packed Microelectrodes for Extracellular Recording in 2-D and 3-D**
Presenter: Jorg Scholvin

Title: **Neural correlates of memorability**
Presenter: Hanlin Tang

Thrust 3: Vision & Language

Title: **Answering questions about videos**

Presenter: Andrei Barbu

Title: **Learning to segment objects by predicting the future**

Presenter: Andrei Barbu

Title: **Disambiguating language through vision**

Presenter: Yevgeni Berzak

Title: **Relating native language properties to second language usage**

Presenter: Yevgeni Berzak

Thrust 4: Social Intelligence

Title: **Probing social perception in the human brain with commercial movie stimuli**

Presenter: Leyla Isik

Title: **Fast reading of goals in a competitive interaction**

Presenter: Maryam Vaziri Pashkam

Title: **Studying Real World Social Perception with Mobile Eye Tracking**

Presenter: Matt Peterson

Title: **Using fNIRS to study the development of social intelligence**

Presenter: Lindsey Powell

Thrust 5: Theories of Intelligence

Title: **Invariant and selective representations in visual cortex**

Presenter: Fabio Anselmi

Title: **Invariant Representation Learning for Speech Recognition**

Presenter: Georgios Evangelopoulos

Title: **Discovering hierarchical motion structure**

Presenter: Sam Gershman

Title: **Learning and reasoning in symbolic domains.**

Presenter: Owen Lewis

Title: **Invariant representations for action recognition in the human visual systems.**

Presenter: Andrea Tacchetti, Leyla Isik

Title: **Biologically-Plausible Unsupervised Learning of Face Representations from Natural Videos**

Presenter: Qianli Liao