**Preliminary Schedule**

**Day 1  Brains**

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| 9:30am-10am | Robert Desimone, MIT<br>**"A causal analysis of the attentional network"** |
| 10am-10:30am | Neil Burgess, University College London<br>**"Neural mechanisms of spatial cognition and imagination"** |
| 10:30am-11am | *break* |
| 11am-11:30am | Nancy Kanwisher, MIT<br>**"The functional neuroanatomy of intuitive physical inference"** |
| 11:30am-12pm | Gabriel Kreiman, Harvard Medical School<br>**"On biologically plausible mechanisms for pattern completion**" |
| 12noon-3pm | *lunch* |
| 3pm-3:30pm | Jocelyne Ventre-Dominey, Inserm-U846 Lyon<br>**"Neural basis of semantic representation: I- Human neuroscience"** |
| 3:30pm-4pm | Winrich Freiwald, Rockefeller University<br>**"From face perception to social cognition: a neural circuits approac**h" |
| 4pm-4:30pm | Matt Wilson, MIT<br>**"Sequential event memory formation and reactivation in the hippocampus and beyond"** |

**Day 2  Minds**

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| 9:30am-10am | Josh McDermott, MIT<br>**"Auditory Scene Analysis and Natural Sound Statistics"** |
| 10am-10:30am | Emmanuel Dupoux, EHESS, Paris<br>**TBD** |
| 10:30am-11am | *break* |
| 11am-11:30am | Laura Schultz, MIT<br>**"Outside in: Formal and informal approaches to understanding how children connect behavioral observations to their underlying causes"** |
| 11:30am-12pm | Merideth Gattis, Cardiff<br>**"The Active Child"** |
| 12noon-3pm | *lunch* |
| 3pm-3:30pm | Josh Tenenbaum, MIT<br>**"Learning about the physical world: Comparing humans, deep neural networks, and probabilistic programs"** |
| 3:30pm-4pm | Tony Prescott, U Sheffield<br>**"Autobiographical memory in humans and machines**" |
| 4pm-4:30pm | *break* |

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| 4:30pm-5pm | Shimon Ullman, Weizmann Institute of Science<br>"**Recognition atoms and image interpretation**" |
| 5pm-5:30pm | Kim Plunkett, Oxford<br>"**Mental Representation of Words and Categories by infants and toddlers**" |

## Day 3  Machines

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|---|---|
| 9:30am-10am | Lorenzo Rosasco, University of Genova<br>"**Learning and cortex: i-theory**" |
| 10am-10:30am | Tomaso Poggio, MIT<br>"**A theoretical framework for Deep Learning networks**" |
| 10:30am-11am | *break* |
| 11am-11:30am | Etienne Burdet, Imperial College London<br>"**Interaction control: in humans, for robots**" |
| 11:30am-12pm | Boris Katz, MIT<br>"**Using language to understand vision and vision to understand language**" |
| 12noon-3pm | *lunch* |
| 3pm-3:30pm | Peter Dominey, CNRS<br>"**Neural basis of semantic representations: II- Grounding Meaning in Sensory-Motor Experience and Narrative with the iCub**" |
| 3:30pm-4pm | Giorgio Metta, IIT<br>"**The iCub project: AI meets humanoid robotics**" |
| 4pm-4:30pm | *break* |
| 4:30pm-5pm | Heinrich Buelthoff, Max Planck<br>"**Personal Aerial Vehicles: the next big game-changer?**" |
| 5pm-5:30pm | Tom Mitchell, CMU<br>"**Neural basis of semantic representations: III - semantic encodings during phrase, sentence, and story processing**" |