



## **Neurocomputational approaches to decision making: from perception to social cognition**

Radboud Summerschool, 10-14 August 2015



### **PRELIMINARY PROGRAM**

*Keynote lecture – introduction - Klaas-Enno Stephan*

#### **Day 1 Reinforcement & value: Theory and practice**

*acquire modeling tools from reinforcement learning and decision theory to understand decision making*

**Quentin Huys** (University of Zurich)

Anne Collins (Brown University) (to be confirmed)

**Jill O'Reilly** (University of Oxford)

#### **Day 2 Reinforcement & value: Neurobiology**

*(acquire knowledge about the neurobiological mechanisms and clinical relevance of decision making)*

**Mark Walton** (University of Oxford)

**Guillaume Sescousse** (Radboud University)

**Hanneke den Ouden** (Radboud University)

**Jonathan Roiser** (University College London)

**Cyriel Pennartz** (University of Amsterdam)

#### **Day 3 Evidence-based decision making: from theory to neural mechanisms**

*(acquire knowledge and sequential sampling modeling tools from decision theory)*

**Rafal Bogacz** (University of Oxford)

**Jeff Schall** (Vanderbilt)

**Birte Forstmann** (University of Amsterdam)

**Floris de Lange** (Radboud University)

#### **Day 4 Social decision making**

*(acquire computational tools to understand decisions in social contexts)*

**Daeyeol Lee** (Yale School of Medicine)

**Jennifer Cook** (City University London)

**Alan Sanfey** (Radboud University)

**Christian Ruff** (University of Zurich)

#### **Day 5 Cooperative decision making**

*(acquire analytical and conceptual tools to model joint decisions of multiple agents)*

**Iain Couzin** (Princeton University)

**Bahador Bahrami** (University College London)

**Johan Kwisthout** (Radboud University)

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