

Centre for Cognition, Computation and Modelling, Birkbeck

One-day CCCM Workshop:

**Decision-making: from evidence accumulation to preference formation & belief updating**



Thursday July 16<sup>th</sup>, Birkbeck, University of London

Time: 10:00

Place: B35, Malet Street, Birkbeck Main Building, Torrington Square

Attendance free, though we would appreciate indication of intent to attend to: <https://www.eventbrite.co.uk/e/bbk-workshop-on-decision-making-registration-17634761045>

**Speakers:**

Rafal Bogacz, University of Oxford

Neil Bramley & David Lagnado, UCL

Nick Chater, University of Warwick

Eddy Davelaar, Birkbeck

Laurence Hunt, UCL

Benedetto de Martino, University of Cambridge

Neil Stewart, University of Warwick

Chris Summerfield, University of Oxford

Konstantinos Tsetsos, Birkbeck

Marius Usher, University of Tel Aviv

## Schedule

### Morning session

**10:00 - 10:30:** Marius Usher

*Decisions reduce sensitivity to subsequent information*

**10:30 - 11:00:** Rafal Bogacz

*A neural mechanism for resolving competition between integrators representing alternative choices*

**11:00 - 11:30:** Laurence Hunt

*Bridging microscopic and macroscopic measures of reward-guided decision making*

**11:30 - 11:50:** Break

**11:50 - 12:20:** Benedetto de Martino

*The construction of confidence during value-based learning*

**12:20 - 12:50:** Chris Summerfield

*How do we decide when to decide? Urgency, conflict and posterior precision in speeded human categorization*

**12:50 - 14:00:** Lunch Break

**Afternoon session**

**14:00 - 14:30:** Konstantinos Tsetsos

*Selective integration: bridging the gap between economic irrationality and optimal decision-making*

**14:30 - 15:00:** Neil Stewart

*Expected utility estimated with generalized linear mixed-effects models*

**15:00 - 15:30:** Eddy Davelaar & Sabine Topf

*"Unconscious" processing in multi-attribute decision-making*

**15:30 - 15:50:** Break

**15:50 - 16:20:** Neil Bramley, David Lagnado & Peter Dayan

*Staying afloat on Neurath's boat: Learning causal models through intervention*

**16:20 - 16:50:** Nick Chater, Tigran Melkonyan, Jennifer Misyak & Hossam Zeitoun

*Virtual bargaining: a microfoundation for social decision making*