# Oxford Oscillations Meeting

3-5 September 2017, St Catherine's College, Oxford, UK. Supported by the James S. McDonnell Foundation

All talks and coffee breaks will take place at St Catherine's College in the Mary Sunley Building. Lunch is served in the College Hall. Departure to dinner on Saturday and Monday will be from the St Catherine's College Porter's Lodge. Wifi access is available through "eduroam" or "TheCloud" (requires free registration).

## Saturday 2nd September

#### Arrival during afternoon/evening

- 19.00 Departure from St Catherine's for dinner
- 19.30 Dinner at My Sichuan

## Sunday 3rd September

9:00 Opening Remarks

#### 9:10 Cognition

9:10 **Beth Buffalo** - Active Sensing and Oscillatory Activity in the Primate Hippocampus 10:00 **Freek van Ede** -What human alpha and beta oscillations tell us about attentional dynamics in visual working memory

10:50 Coffee

11:20 **Miles Whittington** - Theta/Delta Cross-Frequency Coupling Underlies Semantic Decision Making

12:10 Discussion - Chair: Sabine Kastner

13:00 Lunch (in hall)

#### 14:30 Methods & Mechanisms

14:30 **Nancy Kopell** - Coordination and Modulation of Brain Rhythms 15:20 Coffee

15:50 Keynote by **Norden Huang** National Central University
Holo-spectral Analysis: From Turbulence to Brain Waves

17:00 Discussion - Chair: Ole Jensen

- 17:00 Close
- 19:30 Drinks Reception (Mary Sunley Seminar Room)
- 20:00 Dinner in St. Catherine's Senior Common Room

## Moday 4th September

#### 9:10 Gamma Oscillations

9:10 Jess Cardin - Interneuron Control of Cortical Rhythms

10:00 **John Lisman** - Evidence for a Theta-Gamma Phase Code in Working Memory: Specific Functions of Theta and Gamma Oscillations

10:50 Coffee

11:20 **Vitor Lopez de Santos** - Single-cycle profiling of hippocampal theta oscillations suggest transient network states

11:40 Marcin Leszczynski - Dissociation of broadband high-frequency activity and neuronal firing

12:10 Discussion - Chair: David Dupret

13:00 Lunch (in hall)

#### 14:30 Excursion in Oxford

Either punting from New College or visit to the Pitt Rivers

- 19:00 Departure from St Catherine's for Cherwell Boathouse
- 19:30 Dinner at Cherwell Boathouse

### Tuesday 5th September

#### 9:30 Entrainment

9:30 Ayelet Landau - Attentional Sampling: A Human Exploration Mechanism

10:20 **Saskia Haegens** - Rhythmic facilitation of temporal attention.

11:10 Coffee

11:40 Flavio Fröhlich - Targeting Brain Oscillations

12:30 Discussion - Chair: Charlie Schroeder

13:00 Close

#### James S. McDonnell Postdoc Meeting

13:00 Lunch (in hall)

#### 14:00 Meeting

14:00 Overview & Catch-up Talks

15:00 Theory & Big Picture Discussion

16:00 Coffee

16:30 Experimental Discussion

17:00 Practical Discussion

17:30 Close

19:00 JSMF Dinner

## Participants in no particular order - (s) indicates a speaker

Kia Nobre Oxford

Charlie Schroeder Columbia / NKI
Ole Jensen Birmingham
Sabine Kastner Princeton
Bob Knight Berkeley

Beth Buffalo U Washington (S)

Jessica Cardin Yale (S)

Flavio Fröhlich U North Carolina (S) Saskia Haegens Columbia / NYU (S)

Norden Huang National Central University, Taoyuan (S)

Nancy Kopell Boston University (S)

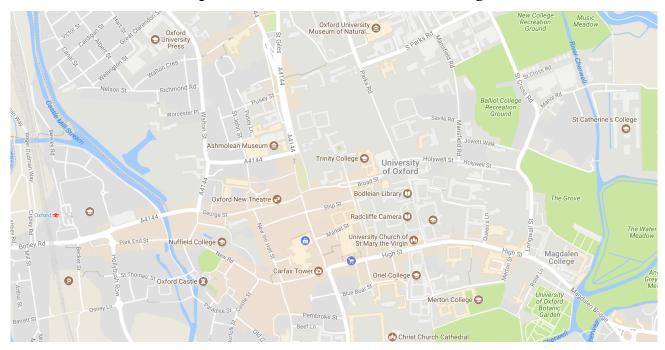
Ayelet Landau Hebrew University Jerusalem (S)

John Lisman Brandeis (S) Freek van Ede Oxford (S) Miles Whittington York (S) Marcin Leszczynski Columbia (S) Randolph Helfrich Berkeley Janna Lendner Berkeley Marlies Vissers Birmingham Tjerk Gutteling Birmingham Idan Tal Columbia Columbia Marcin Leszczynski Anne Martin Princeton Tim Buschman Princeton

Chi-Hung Juan National Central University, Taoyuan

Lauren Atkinson Oxford Anna-Katharina Bauer Oxford Robert Becker Oxford Sage Boettcher Oxford Sven Braeutigam Oxford Peter Brown Oxford Sammi Chekroud Oxford David Dupret Oxford Simone Heideman Oxford Vitor Lopez de Santos Oxford Nick Myers Oxford Magdalena Nowak Oxford Andrew Quinn Oxford Eelke Spaak Oxford Mark Stokes Oxford Oxford Diego Vidaurre Catharina Zich Oxford Nahid Zokaei Oxford

## Maps of Oxford & St Catherine's College





# ST. CATHERINE'S COLLEGE OXFORD

