



LUDWIG-
MAXIMILIANS-
UNIVERSITÄT
MÜNCHEN



HARVARD UNIVERSITY

LMU-Harvard Young Scientists' Forum

From Molecules to Organisms IX, Munich, July 23 – July 27, 2017

The LMU-Harvard Young Scientists' Forum (YSF) seeks to unite Ph.D. students and Postdoctoral fellows from the Harvard University and the Ludwig-Maximilians-Universität (LMU Munich) with core faculty from the two universities to create a framework for an interdisciplinary exchange of ideas. The YSF was initiated as a yearly event in 2009 and is held alternately in Munich and Cambridge.

Sunday, July 23

CAS, Seestraße 13, 80802 Munich

18:30 – 19:00 **Welcome reception** (Benedikt Grothe; Lena Bouman)

19:00 – open **Lecture 1 – Alexander Borst**
“How does direction selectivity emerge in fly motion detecting cells”
– followed by snacks/drinks

Monday, July 24

LMU Biocenter, Grosshadernerstr. 2, 82152 Martinsried, D00.003

08:15 – 09:00 Pre-arranged transfer hotel – Biocenter

09:15 – 09:30 **Welcome address** (Stefan Lauterbach; Head LMU International Office)

09:30 – 10:30 **Lecture 2 – Nadine Gogolla**
“From circuits to behavior in the mouse insular cortex” (Intro: Steffen Katzner)
Coffee break (catered; foyer D00.003)

11:00 – 13:00 **Session 1 – “Modulation of Neural Processing and Behaviour”**
Vogt/Sayin/Odstrcil/Wotjak (Chair: Steffen Katzner)
Lunch break (catered; foyer)

14:30 – 16:30 **Session 2 – “Sensory Circuits”**
Guggiana-Nilo/Aimable Naumann/Weiler/Myoga (Chair: Anton Sirota)
Coffee break (catered; foyer)

17:00 – 18:00 **Lecture 3 – Benjamin de Bivort**
“Light-dependent modulation of individual behavior reveals converging streams of sensory information in the central brain” (Intro: Anton Sirota)

18:00 – open *Neuro summer BBQ* (on lawn behind the LMU Biocenter)

Tuesday, July 25

LMU Biocenter Martinsried, D00.003

08:15 – 09:00 Pre-arranged transfer hotel – Biocenter

09:00 – 10:00 **Lecture 4 – Luk Vandenberghe**
“Gene therapy for neurosensory disorders: engineering delivery” (Intro: Stylianos Michalakis)
Coffee break (catered; foyer)

10:30-12:00 **Session 3 – “Neuropathologies”**
Schön/Franzmeier/Wells (Chair: Stylianos Michalakis)

Lunch break (catered; foyer) & YSF faculty meeting (faculty club)

14:00 – 15:30 **Session 4 – “Modulation of Neural Activity”**
Kapoor/Granger/Hammelmann (Chair: Hans Straka)
Coffee break (catered; foyer)

16:00 – 17:00 **Lecture 5 – Laura Busse**
“A causal test of V1’s role in visual awareness” (Intro: Hans Straka)

17:00 – open At free disposal (student representative activities)

Wednesday, July 26

LMU Biocenter Martinsried, D00.003

08:15 – 09:00 Pre-arranged transfer hotel – Biocenter

09:00 – 10:00 **Lecture 6 – Zhigang He**
“From axon regeneration to functional recovery” (Intro: Florence Bareyre)
Coffee break (catered; foyer)

10:30 – 12:30 **Session 5 – “Neurodevelopment and Regeneration”**
Itoh/del Toro Ruiz/Camargo-Ortega/Kölsch (Chair: Martin Kerschensteiner)
Lunch break (catered) & YSF poster session (foyer)

Asgharsharghi/Franzmeier/Genewsky/Hatch/Jacobi/Leonhardt/Njavro/Sarin/Smith/Weiler/Weili/Wells/Yonar

14:30 – 16:00 **Session 6 – “Memory and Motor Systems”**
Karalis/Yonar/Mearns (Chair: Christian Leibold)

16:00 – 17:00 **Lecture 7 – Anton Sirota**
“Network and behavioral dynamics of sensory integration in the rodent hippocampal system” (Intro: Christian Leibold)

17:00 **Closing remarks**

17:15 Pre-arranged transfer Biocenter – hotel / individually: beergarden

Thursday, July 27

09:00 – 19:00 **Hotel Carlton Astoria, Fürstenstr. 12, 80333 Munich**
Pick-up, excursion to Castle Neuschwanstein

Friday, July 28

Departure, individually arranged