



HeiNEC 2 2017

LOCATION:

Neue Universität
Universitätsplatz
69117 Heidelberg

CONTACT:

HeiNEC2017@sfb1134.de
Susanne Bechtel
Phone: +49 62 21 54 40 56

Heidelberg Neuronal

Ensemble Conference

Friday | 15 September – Saturday | 16 September

FRIDAY – 15 SEPTEMBER | 2017

09:00 am Andreas Draguhn (Heidelberg)

Opening

09:15 am Andreas Lüthi (Basel)

Neuronal circuit mechanisms for fear learning

10:00 am Olaf Sporns (Bloomington)

Applications of computational connectomics across scales and species

Coffee Break

11:15 am Rosa Cossart (Marseille)

Functional organization of hippocampal assemblies

12:00 pm Fred Wolf (Göttingen)

Evolution, structure, and plasticity of neocortical networks

Lunch Break

02:00 pm Shantanu Jadhav (Waltham)

Hippocampal-prefrontal ensemble reactivation during awake behavior and sleep

02:45 pm Michael Häusser (London)

All-optical interrogation of neural circuits during behaviour

Coffee Break

04:00 pm Bernard Katz Lecture

Bert Sakmann (Munich) Introduction

Omri Barak (Haifa) Understanding trained recurrent neural networks

SATURDAY – 16 SEPTEMBER | 2017

09:00 am Elad Schneidman (Rehovot)

Learning neural population codes by generalization

09:45 am Dietmar Schmitz (Berlin)

Differential embedding of hippocampal output neurons during high-frequency oscillations

Coffee Break

11:00 am Alcino Silva (Los Angeles)

Molecular, cellular and circuit mechanisms that link memories across time

11:45 am Gustavo Deco (Barcelona)

Novel concept of intrinsic ignition characterises the broadness of communication underlying different brain states

End of meeting at appr. 12:30 pm

