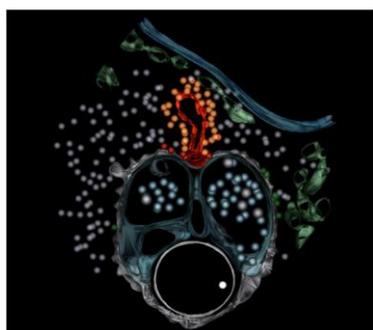


ESF-FENS The Brain Conferences

The Neurobiology of Synapses and their Dysfunction

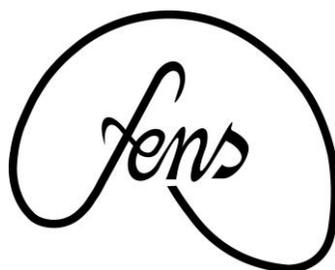


Chemical synapses mediate signalling between nerve cells in the brain, and their generation, function, and plasticity are key determinants of neuronal circuit function and behaviour. The focus of this conference will be on the molecular and cell biological mechanisms of synapse formation and function, and on the pathological aberrations of these processes that lead to neurological and psychiatric disorders.

The conference is organised by the **European Science Foundation (ESF)** in partnership with the **Federation of European Neuroscience Societies (FENS)**.

It will take place on **13-17 October 2013** at the **Hotel La Palma, Stresa, Italy**.

Application deadline 15 July 2013 - Grants available
Further information about **how to apply, grants and fees** can be found below and at www.esf.org/synapses



Please circulate this announcement among your colleagues and contacts



The Neurobiology of Synapses and their Dysfunction

13-17 October 2013 - Hotel La Palma, Stresa, Italy

Chaired by:

Nils Brose, MPI Exp. Med., Göttingen, DE

Michael E. Greenberg, Harvard Medical School, US

Programme

ESF-FENS The Brain Conferences - *The Neurobiology of Synapses and their Dysfunction* is part of a series of high-level meetings on the neurosciences in Europe. Co-organised by the European Science Foundation (ESF) and the Federation of European Neuroscience Societies (FENS), these biennial conferences will focus on emerging and strategically important topics within the fields of Neuroscience, Brain, Dynamic Networks, Molecular Neurobiology, Neurogenomics and Cognition. They will bring together outstanding researchers in key broadly defined areas of contemporary neuroscience to discuss current concepts and define challenges for future research. [\[More\]](#)

Brain Conferences Committee:

T. Bonhoeffer, P. Caroni, O. Kiehn, R.G.M. Morris, J. Syka

Invited speakers and topics will include

Synaptogenesis and Network Formation

D. Choquet, G. Feng, A. Ghosh, E. Kim, J.R. Sanes, P. Scheiffele, M. Sheng,

Synapse Function

J. Kaplan, R. Nicoll, C. Rosenmund, B. Sabatini, R. Südhof

Activity Dependent Processes in Synapse Formation and Function

T. Bonhoeffer, P. Caroni, C. Lüscher, K. Martin, B. Stevens

Synapses and Networks

K. Deisseroth, P. Jonas, A. Lüthi, H. Monyer

Mechanisms of Synaptopathies

C. Bagni, T. Bourgeron, J. Darnell, R. Dolmetsch, D. Geschwind, K. Huber, T. Takumi, L.-H. Tsai

How to Participate

Attendance is possible only after successful application. The application form is accessible from www.esf.org/synapses

A certain number of grants are available for students and early stage researchers to cover the conference fee and possibly part of the travel costs.

Closing date for applications: **15 July 2013**

Sponsor a Conference

This conference will provide the opportunity for leading scientists and young researchers to meet for discussions on the most recent developments in their fields of research. We enable collaboration between international scientists from the EU, first world and emerging countries which acts as a catalyst for creating new synergistic global contacts across disciplines.

We invite you to join us in harnessing this great potential, working towards an even more cohesive scientific force in Europe and beyond by contributing to our intense, dynamic and fun events.

If you are interested, please visit our Sponsor Resource Center page:

<http://www.esf.org/serving-science/conferences/sponsor-resource-center.html>