



 **SYNGAP1  
SYMPOSIUM  
2021**

**15 – 16 MAR**

Free registration at  
[www.syngap-symposium.com](http://www.syngap-symposium.com)

An **Online** Symposium about Syngap1  
and Related Disorders

The Syngap1 Symposium 2021 brings together exceptional scientists from around the world with the incentive to advance Syngap1 research, build networks, stimulate collaboration and coordinate efforts.

Organizer

**Leon & Friends e.V.**

Florian & Sandra Apler  
+43 680 33 26 462  
[www.leonandfriends.org](http://www.leonandfriends.org)  
[hallo@leonandfriends.org](mailto:hallo@leonandfriends.org)



Co-Chairs



**Winfried Neuhaus**  
AIT - Austrian Institute of  
Technology, Vienna



**Sigismund Huck**  
Center for Brain Research,  
Vienna



**Vanja Nagy**  
LBI Rare and Undiagnosed  
Diseases & CeMM, Vienna

Co-Organizers



# SYNGAP1 - synaptic Ras GTPase activating protein 1

SYNGAP1 is a protein that is critical for the development of cognition and proper synapse function. Mutations in the gene lead to a neurodevelopmental disorder and are associated with intellectual disability. They are also proposed to play a significant role in other diseases such as epilepsy, autism and schizophrenia.

## About the Symposium

The Syngap1 Symposium 2021 will take place from March 15th to 16th. Due to the current pandemic, we've decided that this year's event will take place online. The event's public sessions can be attended free-of-charge (email registration required).

## Speakers



**Richard Huganir**  
Baltimore, USA



**Gavin Rumbaugh**  
Florida, USA



**Gaia Novarino**  
Klosterneuburg, AT



**Vanja Nagy**  
Vienna, AT



**Simon Hippenmeyer**  
Klosterneuburg, AT



**Frank Edenhofer**  
Innsbruck, AT



**Michael Courtney**  
Turku, FIN



**James P. Clement**  
Bangalore, IND



**Noboru Komiyama**  
Edinburgh, UK



**Matthias Jung**  
Halle, GER



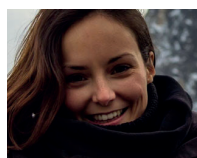
**Mimoun Azzouz**  
Sheffield, UK



**Alex Bayés**  
Barcelona, ESP



**Gerhard Kluger**  
Vogtareuth, GER



**Maria Isabel Carreño Muñoz**  
Montreal, CA



**Eric Hosy**  
Bordeaux, FR

## Schedule

### Day 1 (Monday, March 15th)

13:45 - 14:00	Welcome words / Introduction
14:00 - 14:45	Keynote lecture 1: Gaia Novarino, Klosterneuburg, Austria: <i>"Convergent molecular pathways in neurodevelopment disorders"</i>
15:00 - 15:30	Vanja Nagy, Vienna, Austria: <i>"Modeling intellectual disabilities in a dish: characterizing genetic pathophysiology in cell lines and primary cell cultures"</i>
15:30 - 15:35	Break
15:35 - 16:05	Michael Courtney, Turku, Finland: <i>"Monitoring and manipulating plasticity-regulating neuronal signaling networks"</i>
16:05 - 16:35	Matthias Jung, Halle, Germany: <i>"Modelling common pathways of Syngap1 syndrome and schizophrenia in human iPS cells."</i>
16:35 - 16:55	4 discussion rooms for previous talks
16:55 - 17:00	Break
17:00 - 18:00	Keynote lecture 2: Gavin Rumbaugh, Scripps, FL, USA: <i>"Syngap1 Disorders: How This Gene Regulates Brain Function and Strategies to Fix It When Broken"</i>
18:00 - 18:30	Mimoun Azzouz, Sheffield, United Kingdom: <i>"Prospects for gene therapeutics in neurological disorders"</i>
18:30 - 19:00	Frank Edenhofer, Innsbruck, Austria: <i>"Taking the short cut: induced neural stem cells in disease modeling and cell therapy"</i>
19:00 - 19:30	3 discussion rooms for previous talks

### Day 2 (Tuesday, March 16th)

9:00 - 9:30	tba
9:30 - 10:00	Simon Hippenmeyer, Klosterneuburg, Austria: <i>"Genetic Dissection of Neural Development in Health and Disease using Mosaic Analysis with Double Markers (MADM)"</i>
10:00 - 10:30	Noboru H. Komiyama, Edinburgh, UK: tba
10:30 - 10:40	Break
10:40 - 11:10	James P. Clement, Bangalore, India: <i>"Pharmacological restoration of chloride cotransporter rescues physiological and functional deficits in Syngap1+/-"</i>
11:10 - 11:40	Eric Hosy, France: <i>"Why organization of synaptic proteins at the nanoscale is essential for synaptic physiology?"</i>
11:40 - 12:00	5 discussion rooms for previous talks
12:00 - 13:00	Lunch Break
13:00 - 14:50	Short talks
14:50 - 15:00	Break
15:00 - 15:30	Alex Bayés, Barcelona, Spain: <i>"A systems biology approach to elucidate the postsynaptic molecular alterations resulting from Syngap1 Deficiency"</i>
15:30 - 16:00	Maria Isabel Carreno Munoz, Montreal Quebec: <i>"Sensory brain responses alterations as translational biomarkers for SYNGAP1 haploinsufficiency"</i>
16:00 - 16:30	Prof. Kluger & Team: <i>"Clinical aspects in SYNGAP1 and invitation for collaboration: project PATRE"</i>
16:30 - 16:55	3 discussion rooms for previous talks
16:55 - 17:00	Break
17:00 - 18:00	Keynote lecture 3: Rick Huganir: <i>"Twenty years of SynGAP research: from Synapses to Cognition"</i>
18:00 - 20:00	Discussion about Gaps in Syngap research

## Registration

Attendance to all lectures is free-of-charge, but restricted. Please send your registration to [hallo@leonandfriends.org](mailto:hallo@leonandfriends.org) or use the registration form on [syngap-symposium.com](http://syngap-symposium.com) until March 8th, 2021 with contact information and the attendance reason.