

# XV SPHINGOLIPID CLUB MEETING

3 -7 Sept 2024, Friedrich-Alexander-University Erlangen-Nürnberg

## Program

**Tuesday, Sept. 3, 2024 – Lecture Centre, Medical Faculty, FAU Erlangen**

16:00 - 20:00 *Registration*

18:00 - 18:20 *Welcome*  
***Riccardo Ghidoni***

*Opening remarks*  
***Christian P. Müller, Liubov S. Kalinichenko***

18:20 - 19:00 **Keynote Lecture: Jae-sung Bae** (Seoul, KR)  
Sphingolipid metabolism in Alzheimer's disease

19:00 - *Welcome buffet*

**Wednesday, Sept. 4, 2024 – Lecture Centre, Medical Faculty, FAU Erlangen**

**09:00 - 11:30 Session 1 - Sphingosine-1-phosphate**

Chairs: **Marco Presta** (Brescia, IT) & **Gerhild van Echten-Deckert** (Bonn, DE)

09:00 - 09:25 **Timothy Hla** (Boston, USA)

Sphingosine 1-phosphate in biology and medicine

09:25 - 09:50 **Sarah Spiegel** (Richmond, USA)

to be announced

09:50 - 10:15 **Dagmar Meyer zu Heringdorf** (Frankfurt, DE)

Regulation of calcium homeostasis by sphingosine-1-phosphate: novel insights

10:15 – 11:30 **Presentations selected from Abstracts**

11:30 - 11:50 *Coffee break\**

**11:50 - 12:30 Keynote Lecture Thierry Levade** (Toulouse, FR)

Human genetic defects of sphingolipid synthesis

12:30 - 14:00 *Lunch*

**14:00 - 16:10 Session 2 - Sphingolipids in cancer**

Chairs: **Wiebke Herzog** (Erlangen, DE) & **Thierry Levade** (Toulouse, FR)

14:00 - 14:25 **Antonio Gomez Munoz** (Bilbao, ES)

Control of inflammation and lung cancer cell migration by phosphatidic acid and ceramide-1-phosphate

14:25 - 15:45 **Presentations selected from Abstracts**

15:45 - 16:10 **Marco Presta** (Brescia, IT)

$\beta$ -Galactosylceramidase: from genetic disease to cancer

16:10 - 16:30 *Coffee break\**

**16:30 - 18:00** *Session 3 - Sphingolipids in neurodegenerative diseases*

Chairs: **Timothy Hla** (Boston, USA) & **Sarah Spiegel** (Richmond, USA)

16:30 - 16:55 **Vittorio Maglione** (Pozzilli, IT)

Glycosphingolipid pathways in Huntington's disease: new insights into molecular mechanisms and potential therapies

16:55 - 17:20 **Lola Ledesma** (Madrid, ES)

Sphingomyelin-induced alterations in oligodendrocytes as a trigger for neurodegeneration in acid sphingomyelinase deficiency

17:20 - 18:00 **Presentations selected from Abstracts**

19:00 - *Free Dinner*

**Thursday, Sept. 5, 2024 -- Lecture Centre, Medical Faculty, FAU Erlangen**

**09:00 - 11:30 Session 4 – Young scientist symposium**

Chairs: **Vittorio Maglione** (Pozzilli, IT) & **Céline Galvagnion-Büll** (Copenhagen, DK)

09:00 - 09:25 **Cosima Rhein** (Erlangen, DE)

Sphingolipids in psychosocial stress and the treatment of stress-induced disorders

09:25 - 11:30 **Presentations selected from Abstracts**

11:30 - 11:50 *Coffee break\**

11:50 - 12:30 **Poster flash presentation**

12:30 - 14:00 *Lunch*

**14:00 - 16:00 Session 5 - Sphingolipids in health and disease (III)**

Chairs: **Rainer Böckmann** (Erlangen, DE) & **Cosima Rhein** (Erlangen, DE)

14:00 - 14:25 **Alessandro Prinetti** (Milan, IT)

Sphingolipid-dependent membrane organization and signaling orchestrating myelin repair

14:25 - 14:50 **Christiane Mühle** (Erlangen, DE)

Sphingolipid metabolizing enzymes as biomarkers for depression and alcohol use disorder

14:50 - 16:00 **Presentations selected from Abstracts**

16:00 - 16:30 *Coffee break*

**16:30 - 18:30 Session 6 - Sphingolipids in COVID**

Chairs: **Christiane Mühle** (Erlangen, DE) & **Tiago Oliveira** (Braga, PT)

16:30 - 16:55 **Rainer Böckmann** (Erlangen, DE)

To be announced

16:55 – 17:20 **Erich Gulbins** (Essen, Germany)

Aspects of immune regulation by sphingolipids

17:20 - 18:30 **Presentations selected from Abstracts**

19:45 *Bus to Gala Dinner*

20:00 - *Gala dinner and live entertainment, Erlangen*

24:00 *Bus Return*

## Friday, Sept. 6, 2024 -- Lecture Centre, Medical Faculty, FAU Erlangen

### 09:00 - 11:30 Session 7 - ISN Symposium: Brain sphingolipids driving psychiatric and neurological disorders: mechanisms and therapeutic targets

Chairs: **Christian P. Müller** (Erlangen, DE) & **Erich Gulbins** (Essen, Germany)

09:00 - 09:30 **Erhard Bieberich** (Lexington, US)

When opponents become partners in crime: synergistic function of ceramide and sphingosine-1-phosphate in Alzheimer's disease

09:30 - 10:00 **Hee Kyung Jin** (Seoul, KR)

Targeting ASM for novel pathogenesis and therapeutics in Alzheimer's disease

10:00 - 10:30 **Céline Galvagnion-Büll** (Copenhagen, DK)

Disruptions in the levels of sphingolipids associated with Parkinson's Disease

10:30 - 11:00 **Tiago Oliveira** (Braga, PT)

Lipidomic insights into mood and neurodegenerative disorder mechanisms

11:00 - 11:30 **Liubov S. Kalinichenko** (Erlangen, DE)

Interaction between sphingolipids and classical neurotransmitters: a pathway to depression and drug abuse?

10:40 – 11:00 *Coffee break\**

11:00 - 12:30 **PhD student/Post-doc Presentations**

12:30 - 14:30 *Lunch*

15:00 *Bus to Bamberg*

16:00 - 18:00 *Guided City tour*

18:00 - 20:00 *Social time: free time in Bamberg*

20:00 - 23.00 *Dinner in Bamberg*

23:00 - *Return to Erlangen*

**Saturday, Sept. 7, 2024 – Seminar room, Psychiatric Clinic, FAU Erlangen**

09:00 - 10:00 *General Meeting of the SLC*

10:00 – 10:15 *Closing remarks*