

Society of General Physiologists (SGP)

ION CHANNELS & TRANSPORTERS IN IMMUNITY, INFLAMMATION & ANTITUMOR IMMUNITY

September 11th, 2020 | Online Symposium | sgp2020.comOrganizer:
Stefan Feske, MD
NYU School of MedicineCo-organizer:
Bimal Desai, PhD
University of Virginia**Sophie Hambleton, MD (U Newcastle)**
ZIP7 – An unexpected player in B cell development**Susanna Zierler, PhD (LMU Munich)**
TRPM7 channel-kinase function - from cellular signaling to immune system homeostasis**Yubin Zhou, PhD (Texas A&M)**
Optogenetic regulation of CRAC channel function & signaling in immune cells**Axel Concepcion, PhD (NYU)**
Novel ion channel regulators of T cell function**Michael Cahalan, PhD (UC Irvine)**
Th17 cell calcium signaling in the spinal cord during murine autoimmune neuroinflammation**Susan Schwab, PhD (NYU)**
S1P transporter SPNS2 regulates T cell migration**David Raulet, PhD (UC Berkeley)**
Cellular import of immunostimulatory cyclic dinucleotides by folic acid transporters

Attendees – what to expect for the SGP 2020 live symposium

• Presentation (11:00am – 3:00pm):

- Please use the link emailed to you to view the symposium. Using a desktop client or Zoom app is highly recommended. Signing in through the Zoom website may not work.
- The symposium will open at 10:50 am. Attendees will not be seen on video or audio.
- Presentations will be 25 minutes followed by a 10 minute Q&A.
- Please use the **Q&A box** to ask questions for the speaker. (Do *not* use the Chat box). The moderator will read out the questions during the 10 minutes following the presentation. Due to time constraints, questions should be kept short and avoid multiple-part questions.
- If questions cannot be addressed during the Q&A time, attendees may ask their questions by sending a private chat message to the speaker.
- If you have technical problems please contact:
 - Problems logging into the meeting: greg@sgpweb.org
 - Problems related to Zoom when logged in:

Noriko.Shimizu@nyulangone.org

Thank you for registering! We hope you enjoy the symposium and look forward to seeing you in 2021 at Woods Hole, MA!

Scientific Program

All times are Eastern Standard Time (US). Talk are 25 minutes + 10 minutes for Q&A

Friday, September 11th 2020

11:00 – 11:10	Introductory comments: Stefan Feske, Bimal Desai and Crina Nimigean
11:10 – 11:45	Sophie Hambleton, MD (U Newcastle, UK) <i>ZIP7: An unexpected player in B cell development</i>
11:45 – 12:20	Susanna Zierler, PhD (LMU Munich, Germany) <i>TRPM7 channel-kinase function - from cellular signaling to immune system homeostasis</i>
12:20 – 12:55	Yubin Zhou, PhD (Texas A&M, USA) <i>Optogenetic regulation of CRAC channel function and signaling in immune cells</i>
12:55 – 13:10	Axel Concepcion, PhD (New York University, USA) <i>LRRRC8C is a negative regulator of T cell function</i>
13:10 – 13:45	Michael Cahalan, PhD (UC Irvine, USA) <i>Th17 cell calcium signaling in the spinal cord during murine autoimmune neuroinflammation</i>
13:45 – 14:20	Susan Schwab, PhD (New York University, USA) <i>S1P transporter SPNS2 regulates T cell migration</i>
14:20 – 14:55	David Raulet, PhD (UC Berkeley, USA) <i>SLC19A1 transports immunoreactive cyclic dinucleotides</i>
14:55 – 15:00	Closing Remarks