



With great pleasure, we are delighted to announce the symposia selected by the Program Committee on March 03, 2026, from a wealth of outstanding proposals.

The 55 submissions impressed with their innovative approaches, distinguished speakers, and forward-looking topics. We are pleased to present a selection of 30 diverse symposia for the Göttingen Meeting 2027, which will engage with current debates, open up new perspectives, and foster lively scientific exchange:

Adult neurogenesis in injury and aging

Becker, Catherina (Dresden, Germany) | Fernandez Hernandez, Ismael (Göttingen, Germany)

Behavioral regulation by hippocampal circuits: subcortical inputs, outputs, and state-dependent network dynamics

Barnstedt, Oliver (Göttingen, Germany) | Petzold, Anne (Göttingen, Germany)

Beyond neurons: oxytocin signaling in glial cells

Althammer, Ferdinand (Heidelberg, Germany) | Charlet, Alexandre (Straßburg, France)

Breathing the enigmatic yet essential brain function: A tribute to Professor Diethelm W. Richter

Ramirez, Jan-Marino (Seattle, USA) | Dutschmann, Mathias (Cleveland, USA)

Computational neuroscience of group behavior: social brains, swarms, and multi-agent AI

Naderi, Amir (Göttingen, Germany) | Ravindran Nair, Sarath (Göttingen, Germany)

Computational neuroscience: from cellular dynamics and organoids to sensory processing and cognition

Heckmann, Johanna Rosa (Würzburg, Germany) | Kremser, Florian (Göttingen, Germany) | Studer, Luna Amanda (München, Germany)

Cross-Species Perspectives on pesticide neurotoxicity

Corthals, Kristina (Lund, Sweden) | Rigosi, Elisa (Lund, Sweden)

From burden to benefit: translating model-tailored severity assessment into scientific value

Mallien, Anne (Mannheim, Germany) | Munk, Anna (München, Germany)

From genomes to circuits: engineering non-model insects for systems neuroscience

Di Cristina, Giulia (Köln, Germany) | Nawrot, Martin Paul (Köln, Germany) | Smith, Brian H. (Tempe, USA)

Functional phase transitions shaping neuronal physiology

Milovanovic, Dragomir (Berlin, Germany) | Reshetniak, Sofii (Göttingen, Germany)

Illuminating neural networks: integrating connectomics with molecular and behavioural neuroscience

Eichler, Katharina (Leipzig, Germany) | Stürner, Tomke (Cambridge, UK)

Inside and outside the synapse - challenging dogmas of synaptic signalling and neuromodulation

Henneberger, Christian (Bonn, Germany) | Schoch McGovern, Susanne (Bonn, Germany)

Molecular tempo in the developing and aging brain: mechanisms and evolutionary insights

Ambrozkiwicz, Mateusz (Calgary, Canada) | Kraushar, Matthew (Berlin, Germany)

Networks and areas in cognitive neuropsychology

Weiller, Cornelius (Freiburg, Germany)

Neuronal control of adaptive locomotion in flies and mice

Ache, Jan M. (Würzburg, Germany) | Dietrich, Stephan (Kopenhagen, Denmark)

Neuroscience and cancer

Bähr, Mathias (Göttingen, Germany) | Westphal, Manfred (Hamburg, Germany)

New evidence for functional and causal roles of oscillatory activity in cognition and behavior

Drebitz, Eric (Bremen, Germany) | Veit, Julia (Bremen, Germany)

Next level optical approaches to interrogate neural network modulation, function and behavior

Dieter, Alexander (Mannheim, Germany) | Gottschalk, Alexander (Frankfurt, Germany) | Soba, Peter (Erlangen, Germany)

On Error

Gerber, Bertram (Magdeburg, Germany) | Tobler, Philippe N. (Zürich, Switzerland)

Real-time perception and the role of fast neuronal response adaptations in animals and humans

de Hoz, Livia (Berlin, Germany) | Onorato, Irene (Berlin, Germany)

Reconciling stable memory and perception with representational drift

Sauer, Jonas-Frederic (Homburg/Saar, Germany) | Sigurdsson, Torfi (Frankfurt, Germany)

Sensors and circuits for magnetic orientation in animals

Keays, David (Planegg-Martinsried, Germany) | Malkemper, Pascal (Bonn, Germany)

Smelling back and forth: modulation of olfaction via recurrent circuits across phylae

Egger, Veronica (Regensburg, Germany) | Sachse, Silke (Würzburg, Germany)

Subcellular crosstalk: organelle interactions in neural physiology and development

Bonekamp, Nina (Mannheim, Germany) | Bülow, Margret (Potsdam, Germany) | Kucharowski, Nicole (Düsseldorf, Germany)

Synaptic heterogeneity in the flexibility and robustness of nervous system function

Heine, Martin (Mainz, Germany) | Krueger-Burg, Dilja (Mainz, Germany)

The emerging neuroimmunological role of the skull

Glass, Rainer (München, Germany)

The glial blood-brain barrier in circumventricular organs

Schwaninger, Markus (Lübeck, Germany)

The thalamus as a hub for cognitive control and network reorganization

Pleger, Burkhard (Bochum, Germany) | Stockert, Anika (Leipzig, Germany)

Vocal sequences as windows onto the neurobiology of vocal communication

Knörnschild, Mirjam (Berlin, Germany) | Veit, Lena (Tübingen, Germany)