



Program

SYNOPSIS FORUM 2024

18 - 19 November 2024 at Hotel Schloss Gerzensee, Gerzensee

18 November 2024

Chair: **Prof. Dorothee Dormann**

Member of the Scientific Advisory Board, Synopsis Foundation

TIME	TOPIC	SPEAKER	ROOM
13:15-13:30	Welcome Note	Synopsis Foundation Prof. Dorothee Dormann	Bern
13:30-14:10	<u>Invited Talk</u> Implementing the Swiss Brain Health Plan: Brain Health Consultation at the Inselspital Bern	Prof. Marcel Arnold, University Hospital Bern	Bern
14:10-14:30	Cellular reprogramming to rescue memory in Alzheimer's disease	Dr Gabriel Berdugo Vega, EPFL	Bern
14:30-14:50	Exploring noradrenergic signaling and sleep patterns in prodromal stages of Alzheimer's disease mouse models	Paola Milanese, University of Lausanne	Bern
14:50-15:20	Coffee Break	all	Cafeteria
15:20-15:40	Microstrokes affect the stability of memory circuits in the hippocampus	Miriam Schnitzler, LMU Munich, DE	Bern
15:40-16:00	Optogenetic-induced mitochondrial injury in tauopathy: impact on mitochondria transfer between astrocytes and neurons	Aline Broeglin, University of Basel	Bern
16:00-16:20	Identification of genetic modulators of prion transfer via genome-wide CRISPR screens	Dr Elena De Cecco, University of Zurich	Bern
16:20-17:00	Super Short Talks: 1 Slide – 2 minutes	PhD Students and PostDocs	Bern
17:00-17:50	<u>Out of the Box</u> Elite cognitive performance: From F1 to the laboratory	Dan Sims, Hints UK	Bern
18:00-20:00	Dinner	all	Restaurant
20:00-23:00	Posters & Drinks	all	Castle



19 November 2024

Chair: **Prof. Dorothee Dormann**

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TIME	TOPIC	SPEAKER	ROOM
09:00-09:40	<u>Invited Talk</u> What can a birth cohort tell us about neurodegeneration and dementia?	Prof. Jonathan M. Schott, University College London, UK	Bern
09:40-10:00	Chemical profiling of amyloid beta and tau protein aggregates in body fluids of Alzheimer's dementia patients	Dr Lily Henry, EMPA	Bern
10:00-10:20	The Dementia Exergame Revolution in Long-Term Care	Andrea Hausheer, OST- Ostschweizer Fachhochschule	Bern
10:20-10:50	Coffee Break	all	Cafeteria
10:50-11:10	Cognitive impairment in diabetes and Alzheimer's disease: focus on neuroinflammation	Dr Cecilia Boccalini, University Hospitals and University of Geneva	Bern
11:10-11:30	Neuropeptidergic modulation in the amygdala: a promising target for anxiety and fear in dementia?	Prof. Ron Stoop, CHUV/University of Lausanne	Bern
11:30-11:50	The Role of Lateral Substantia Nigra Circuits in Cognitive Dysfunctions of Parkinson's Disease	Dr Natalia Favila Vazquez, DZNE	Bern
11:50-12:10	Auditory pathway information encoding in a rat model of Down Syndrome	Dr Riccardo Caramellino, University of Fribourg	Bern
12:10-13:30	Lunch	all	Restaurant
13:30-15:30	Networking Session	Synapsis Foundation	Bern
15:30	Poster Award & Farewell	Synapsis Foundation	Bern
15:45	End of Synapsis Forum 2024	Synapsis Foundation Prof. Dorothee Dormann	Bern

