

February 22-24, 2024

Hôtel Légère Muensbach Luxembourg





Scientific Committee

Nico J Diederich, MD

Consultant in Neurology at the Centre Hospitalier de Luxembourg and Adjunct Professor of Neurology at the University of Cologne (Germany)

Martin Brüne, MD

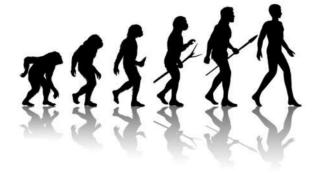
Professor of Psychiatry and Head of the Division of Social Neuropsychiatry and Evolutionary Medicine at the LWL University-Hospital, Ruhr-University Bochum (Germany)

Katrin Amunts, MD

Professor Director of the C. and O. Vogt-Institute for Brain Research, Heinrich-Heine University Duesseldorf, and of the Institute of Neuroscience and Medicine Research Center Juelich (Germany)

Christopher G Goetz, MD, FAAN

Professor of Neurological Sciences and Pharmacology at Rush Medical College, Chicago (USA)



Chair:SESSION 1Katrin AmuntsThursday, 22/02/2024

14H00		• •	٠
1/1110	Welcome address Guy Berchem Centre Hospitalier de Luxembourg and Luxembourg Institute of Health		
14H10	Introduction to the congress Nico J Diederich	• •	٠
14H20	Human telencephalization Katrin Amunts <i>Keynote</i>	• •	0
14H50 ·	General aspects in the evolution of glia cells Corrado Cali	• •	٠
15H10 ·	Department of Neuroanatomy, University of Turin (Italy) Metabolic evidence supporting the evolution of g	 lial c	ells
15H30 ·	Pierre Magistretti Emeritus Professor, École Polytechnique Fédérale de Lausanne and King Abdullah Un Science and Technology (Switzerland and Saudi Arabia)	iversity	of •
	The overstrain on mitochondria Anne Grünewald Luxembourg Centre for Systems Biomedicine, Esch-Belval (Luxembourg)		
16H00	Break	••	0
16H20	Intrinsic templates for neurodegeneration Toshiki Uchihara Program Director, University of Hawaii postgraduate medical education program at O	okinawa (Chubu
16H50	Hospital, Okinawa (Japan) Goal-directed and habitual behaviours Ledia F. Hernandez	• •	۰
17H20	Network Center for Biomedical Research, Carlos III Health Institute, Madrid (Spain) Adaptive archaic introgression	••	•
17H50	Olga Dolgova Centre Nacional d'Anàlisi Genòmica; Centre de Regulació Genòmica, Barcelona (Spain Round table		٠
18H15 ·	Lead: Michael T Heneka Director, Luxembourg Centre for Systems Biomedicine, Esch-Belval (Luxembourg)	••	
19H15	Cocktail Party and Networking	• •	٠

SESSION 2Friday, 23/02/2024

Chair:

Nico J Diederich

09H00	Differences in brain gene expression between humans and primates Geneviève Konopka Department of Neuroscience, University of Texas, Dallas (USA)
09H30	Alzheimer's Disease, the parietal lobes, and the evolution of the human genus Emiliano Bruner <i>Keynote</i> Centro Nacional de Investigación sobre la Evolución Humana, Burgos (Spain)
10H10 ·	Parkinson's disease - overstrain of basal ganglia and brainstem nuclei Christopher G Goetz
10H40 ·	Brain diseases associated with unstable repeats Peng Jin Department of Human Genetics, Emory University, Atlanta (USA)
11H30	Pause
	The Properties of Cortico-motoneuronal Connections and their Evolutionary Significance for Amyotrophic Lateral Sclerosis Roger Lemon Department of Clinical and Movement Neurosciences, UCL Queen Square Institute of Neurology, London (United Kingdom)
12H00	Round table Lead: Rejko Krüger Centre Hospitalier de Luxembourg; Luxembourg Institute of Health (Luxembourg); Centre for Systems Biomedicine, Esch-Belval (Luxembourg)
12H30 · 14H00	Lunch

Chair:SESSION 3Martin BrüneFriday, 23/02/2024

14H30	REM sleep behaviour disorder: nocturnal replay and flee"? Nico J Diederich	y of "f	ight
	Mood disorders: An evolutionary psychoneuroimmunological approach Markus J Rantala Department of Biology, University of Turku, Turku (Finland)	·	·
15H00	ADHD: lost benefit of excessive novelty Annie Swanepoel Learning Disability team, North East NHS Foundation, London (United Kingdom)		
15H30	Pause		
15H50 ·	Substance abuse: An evolutionary perspective and motivation principles Roger Sullivan Department of Anthropology, California State University, Sacramento (USA)	of rev	 vard
16H20	Schizophrenia: Embracing the Spectrum John S Allen Keynote Department of Anthropology, Indiana University, Bloomington, Indiana (USA)	0.0	
16H50	Round table Lead: Alfonso Troisi Department of Systems Medicine, University of Rome Tor Vergata, Rome (Italy)	• •	
17H20	2 Sparanest C. Systems . Issuestic, State Step of Northe For Vergata, North (Italy)		

09Н00	Conditions of comparative brain connectomics Kathleen S Rockland Department of Anatomy and Neurobiology, Boston University School of Medicine, Boston (USA)
	Are evolutionary concepts helpful in designing preventive strategies for brain diseases? Gilberto Levy Independent Researcher, Rio de Janeiro (Brazil)
10H00 ·	Evolutionary aspects of neuropsychopharmacology Martin Brüne <i>Keynote</i>
	Pause
11H00 ···	Ongoing human evolution? Nicole Bender Institute of Evolutionary Medicine, University of Zürich (Switzerland)
	Ongoing cultural evolution outpaces ongoing biological evolution Jean-Pierre Changeux Emeritus professor, Department of Neuroscience, Pasteur Institute and Collège de France, Paris (France)
12H00 ·	
12H30 ·	Round table discussion Lead: Axel Karenberg Institute for the History of Medicine and Medical Ethics, University of Cologne (Germany)
12H50 ·	Wrap-up Sten Grillner Distinguished Professor, Karolinska Institute Stockholm (Sweden)

There are no registration fees, but **limited** space available.

Please register on

www.chl.lu/fr/congress-registrationevolutionary-roots-human-brain-diseases



...or by clicking on this QR code



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Department of Neurology



Fondation Jean Think Luxembourg







Henry J. and Erna D. Leir Foundation Luxembourg Société Luxembourgeoise de Psychiatrie, Pédopsychiatrie et Psychothérapie