



Dpt des neurosciences cliniques

# NeuroTech Symphony

Auditorium Mathias Mayor  
CHUV Lausanne

18 & 19 September 2019



# ***A symposium at the interface of music, technology, aging & neurorehabilitation***

***First meeting of the Neuroscape Alliance***

***18 & 19 September 2019, Auditorium Mathias Mayor, CHUV Lausanne***

## **Wednesday 18th September**

Credits SNG : 4 Credits ASNP requested
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9:30 Welcome, Prof Philippe Ryvlin

### **Session Technology and music for neurorehabilitation**

*Chair: Prof Stéphanie Clarke*

10:00 **Technology meets neuroscience – A vision of the future  
of brain optimization**

Prof Adam Gazzaley

*Neuroscape Center, University of California, San Francisco*

10:30 **Virtual reality as a tool for neurorehabilitation**

Prof Andrea Serino

*MySpace Lab & Immersion@NeuroTech, CHUV, Lausanne*

11:00 -11:15 Coffee break

11:15 **Gamified adaptive cognitive neurorehabilitation in  
multiple sclerosis**

Dr Arseny Sokolov

*Neuroscape@NeuroTech, CHUV, Lausanne*

11:45 **Musical emotions and application to rehabilitation:  
From entrainment to enchantment**

Prof Patrik Vuilleumier

*Neurology and Imaging of Cognition Lab, University of Geneva*

12:15 **Creating your own scenario for cognitive evaluation and  
rehabilitation in VR with R.O.G.E.R.**

Dr Sébastien Serlet

*Unité de recherche Conscience, Cognition et Computation,  
Université Libre de Bruxelles*

12:30 -14:00 Lunch

## Wednesday 18th September - 2<sup>nd</sup> part

Credits SNG : 4  
Credits ASNP requested

### Session **Music in neuroscience and clinical care**

*Chair: Prof Adam Gazzaley*

**14:00**      **Short communication (selected from submissions)**

**14:15**      **Short communication (selected from submissions)**

**14:30**      **Short communication (selected from submissions)**

**14:45**      **How did J. S.Bach put emotion into his music?**

Dr Ruth Tatlow

*Department of Musicology, Uppsala University*

**15:00**      **Music and organisational resilience**

Dr Donald Glowinski

*Neuroscience of Emotions and Affective Dynamics,  
University of Geneva*



**15:30**      **Music and musicotherapy in dementia : Scientific bases  
and the state-of-the-art**

Prof Alfredo Raglio

*Department of Public Health, Experimental and Forensic  
Medicine, University of Pavia*

**16:00**      **Biomarkers in neuromusicology**

Prof Artur Jaschke

*Department of Clinical Neuropsychology, Vrije Universiteit  
Amsterdam*

**16:30**      **Demo Neuroscape@NeuroTech Platform**

**17:30 - 18:30**      **Business Meeting Neuroscape Alliance**

**Thursday 19th September**

Credits SNG : 4  
Credits ASNP requested

**9:00-10:00**      **Demo Neuroscape@NeuroTech Platform**

**Session**      **Aging with technology and music**  
*Chair: Prof Artur Jaschke*

**10:00**      **Times are changing : assessment of apathy using the interest game**  
Prof Philippe Robert  
*Institut Claude Pompidou, Université Côte d'Azur, Nice*

**10:30**      **Music and movement as an effective cocktail for cognitive-motor stimulation and rehabilitation**  
Dr Danilo Spada  
*Arts et Métiers, Institut Image de Chalon sur Saône*

**11:00 -11:15**      Coffee break

**11:15**      **Shaping new technologies with enlightened seniors**  
Dr Mélanie Bieler-Aeschlimann  
*Centre Leenaards de la mémoire, CHUV; Lausanne*

**11:30**      **ABCD \* 3**  
Prof Jean-François Démonet  
*Centre Leenaards de la mémoire, CHUV, Lausanne*

**12:00**      **The individuality of ageing: how to maintain good perception**  
Prof Michael Herzog  
*Laboratory of Psychophysics, Ecole Polytechnique Fédérale Lausanne*

**12:15**      **Short communication (selected from submissions)**

**12:30**      End of the symposium

**20:15**      **Concert “Le Cerveau Enchanté”**

<https://www.roseyconcerthall.ch/event/le-cerveau-enchante>

