



JUNE 29TH - JULY 1ST
2022

CHUV, LAUSANNE
INSTITUTION DE LAVIGNY, LAVIGNY

«SPRINT»

Symposium on Patient Rehabilitation,
Innovation and NeuroTechnologies

INSTITUTION DE
LAVIGNY

Agir pour la vie



29-06
2022

CHUV - AUDITOIRE CÉSAR ROUX - LAUSANNE

13h00

Opening

Philippe Ryvlin - University Hospital Lausanne, CHUV

13h15 - 13h45

Neurorehabilitation at the intersection of fundamental neuroscience, clinic and neurotechnology

Andrea Serino - University Hospital Lausanne, CHUV

13h45 - 14h15

A novel platform to collect and analyze neurorehabilitation data along the continuum of care

Henning Muller & David-Zacharie Issom - University of Applied Science and Art, Western-Switzerland, HES-SO Valais-Wallis

14h15 - 14h45

Neuroprosthesis to restore neurological functions

Jocelyne Bloch & Grégoire Courtine - University Hospital Lausanne, CHUV and Swiss Federal Institute of Technology, EPFL

14h45 - 15h15

Creativity and brain lesion

René Müri - University Hospital Bern, Inselspital

15h15 - 15h45

Coffee break

15h45 - 16h15

Federated learning to leverage neurorehabilitation research

Philippe Ryvlin - University Hospital Lausanne, CHUV

16h15 - 16h45

Can we enhance brain plasticity for upper limb motor recovery after stroke ?

Adrian Guggisberg - University Hospital Bern, Inselspital

16h45 - 17h30

Brain repair after stroke

Steven C. Cramer - California Rehabilitation Institute, University of Los Angeles, UCLA

19h00

Social dinner

30-06
2022

CHUV - AUDITOIRE CÉSAR ROUX - LAUSANNE

8h30 - 8h45

Opening

Rebecca Ruiz - State Councilor Head of the Department of Health and social action, Vaud

8h45 - 9h30

The future of rehabilitation. Where are we heading ?

Julie Bernhardt - The Florey Institute of Neuroscience and Mental Health, Melbourne, Australia

9h30 - 10h00

Intraneural neuroprostheses to understand and restore sensory, motor, and autonomic neural functions

Silvestro Micera, Swiss Federal Institute of Technology, EPFL and Scuola Superiore Sant'Anna, Italy

10h - 10h45

Young Researchers Session

10h45 - 11h15

Coffee break

11h15 - 11h45

Care pathways and neuro-behavioral outcome after severe traumatic brain injury

Philippe Azouvi - Raymond Poincaré Hospital AP-HP, Garches, France

11h45 - 12h15

The advent of precision neurorehabilitation

Arseny Sokolov - University Hospital Lausanne, CHUV

12h15 - 13h45

Lunch

13h45 - 14h30

Dysconnections, synaptopathy and the Bayesian brain

Karl Friston - University College London, UK

14h30 - 15h00

Stroke, a network disorder - Opportunities provided by connectomics

Friedhelm Hummel - Swiss Federal Institute of Technology, EPFL

15h00 - 15h30

Coffee break

Symposium – Cognitive Neuroscience and Neurorehabilitation in honour of Stephanie Clarke

15h30 - 16h00

The anatomy of neural networks

Katrin Amunts - Institute of Neuroscience and Medicine, Jülich, Germany

16h00 - 16h30

Understanding auditory perception in order to rehabilitate it

Timothy D. Griffiths - Newcastle University and Wellcome Trust Center for Human Neuroimaging, University College London, UK

16h30 - 17h00

Interaction of cognitive and motor rehabilitation

Gilles Rode - University Hospital Lyon, France

17h15 - 19h00

Plasticité neuronale - reine et servante de la neuroréhabilitation

Leçon d'adieu - Stephanie Clarke

University Hospital Lausanne, CHUV

Free entrance / connect online at :

[https://chuv.webex.com/chuv-en/j.](https://chuv.webex.com/chuv-en/j.php?MTID=m84659f9f14ef1294eb17b68d5816000f)

[php?MTID=m84659f9f14ef1294eb17b68d5816000f](https://chuv.webex.com/chuv-en/j.php?MTID=m84659f9f14ef1294eb17b68d5816000f)

01-07
2022

INSTITUTION DE LAVIGNY - LAVIGNY

9h00 - 9h15

Opening

Thierry Siegrist - General director,
Institution de Lavigny

9h15 - 9h45

Healthcare practice in neurorehabilitation

Thomas Platz - University of Greifswald, Germany

9h45 - 10h00

Measuring functional outcomes from the clinics to home

Tobias Nef - University Hospital Bern, Inselspital

10h00 - 10h15

Digital therapeutics for cognition

Sonia Crottaz-Herbette - University Hospital Lausanne,
CHUV

10h15 - 10h30

Robotics in neurorehabilitation

Olivier Lamercy - Swiss Federal Institute of
Technology, EPFZ

10h30 - 11h00

Coffee break

11h00 - 12h30

Workshops (first turn)

12h30 - 14h00

Lunch

14h00 - 15h00

Round table - Innovation in neurorehabilitation challenges and opportunities

Thomas Platz, Franco Molteni, Arseny Sokolov,
Claude Repond and Tiffany Corbet with representatives
of patients associations, Industries and Public Health

15h00 - 15h30

Coffee break

15h30 - 17h00

Workshops (second turn)

17h00 - 18h00

Closing, visit of Lavigny rehabilitation center and aperitif

**TO
CHOOSE**

WORKSHOPS DESCRIPTIONS

Workshop 1 : ROBOTICS IN NEUROREHABILITATION (FR/ENG)

By Tiffany Corbet, Institution de Lavigny and Olivier Lambercy, ETHZ

Workshop 2 : MOVEMENT QUANTIFICATION (ENG)

By Cristina Becchio, Italian Institute of Technology and University Medical Center Hamburg-Eppendorf - Julien Favre, CHUV - Eleonora Guanziroli, Villa Beretta Hospital, Italy - Michela Bassolino, HES-SO Valais - Wallis and Gilles Allali, CHUV

Workshop 3 : DIGITAL THERAPEUTICS (FR/ENG)

By Sonia Crottaz-Herbette, CHUV - Giampaolo Bricchetto, Italian Multiple Sclerosis Foundation (FISM) - Naveed Ejaz, MindMaze SA and Arseny Sokolov, CHUV

Workshop 4 : CLINICAL ITINERARIES (ENG)

By Thomas Platz, University of Greifswald, Germany - Franco Molteni, Villa Beretta Hospital, Italy - Stefano Carda, CHUV - Roman Gonzenbach - Jens Bansi, Valens Clinic and Pierre-André Rapin, Institution de Lavigny



GENERAL INFORMATION

Location

- Conferences 29-30th June 2022: at CHUV
- Conferences 1st July 2022: at Institution de Lavigny

Limited seats. Register now at :

<https://www.xing-events.com/Congress-Sprint>

Registration fees

Full program, CHF 300.-

29-30th June, CHF 200.- (lunch included)

Students/Interns (Residents, Master, PhD): CHF 100.- X 2 days at CHUV max 100 pers.

1st July, CHF 150.- (lunch included)

Social dinner, CHF 100.- (limited places available)

Languages

English / French (according to program)



SPRINT is endorsed by the
World Federation For Neurorehabilitation (WFNR)
and will be accessible on line for WNFR members

Recognition - Credits granted

Physioswiss

29.06 - 30.06 - 01.07 : 19 cts

Swiss Society for Physical Medicine and Rehabilitation

29.06 : 4 cts / 30.06 am : 3 cts - pm : 4 cts / 01.07 am : 3 cts - pm : 2 cts

Swiss Association of Neuropsychologists

29.06 - 30.06 - 01.07 : 17 cts

Swiss Neurological Society

29.06 : 4 cts / 30.06 am : 8 cts / 01.07 am : 8 cts

Institution de Lavigny access



Bus n° 726 from the Morges station square,
stop Lavigny hospital



Parking available
at l'Institution de Lavigny
Route du Vignoble 60, 1175 Lavigny

Informations

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