



29-30th JUNE
1st JULY
2022

CHUV, LAUSANNE
INSTITUTION DE LAVIGNY, LAVIGNY

«SPRINT»

Symposium on Patient Rehabilitation,
Innovation and NeuroTechnologies



SUN
Service Universitaire
de Neurorehabilitation

INSTITUTION DE
LAVIGNY

Agir pour la vie



P

R

G

O

R

A

M

29-06
2022

CHUV - AUDITOIRE CÉSAR ROUX - LAUSANNE

13h

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-Walli

14h15 - 14h45

Neuroprosthesis to restore neurological functions

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

14h45 - 15h15

Creativity and Brain lesion

René Müri - Universitätsklinik für Neurologie, Universitätsspital Inselspital, Bern

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

Gala dinner

30-06
2022

CHUV - AUDITOIRE CÉSAR ROUX - LAUSANNE

8h30 - 8h45

Opening

Rebecca Ruiz - Conseillère d'Etat
Cheffe du département de la santé
et de l'action sociale, VD

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

14h30 - 15h00

Stroke a network disorder - Opportunities provided by connectomics

Friedhelm Hummel - Swiss Federal Institute of
Technology, EPFL

15h00 - 15h30

Coffee break

15h30

**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.php?MTID=m84659f-9f14ef1294eb17b68d5816000f>

**01-07
2022**

INSTITUTION DE LAVIGNY - LAVIGNY

9h00 - 9h15

Welcome

Thierry Siegrist - Directeur général
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 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

Roud table - Innovative in neurorehabilitation challenges and opportunities

Thomas Platz, Franco Molteni, Arseny Sokolov, Pierre André Rapin, Mikaël Briguët
with representatives of Patients association,
Industries and Public Health

15h00 - 15h30

Coffee break

15h30 - 17h00

Workshops (second turn)

17h00 - 18h00

Closing, visit of Lavigny rehabilitation center and aperitive

**TO
CHOOSE**

WORKSHOPS DESCRIPTIONS

Workshop 1 : ROBOTICS IN NEUROREHABILITATION

By Olivier Lambercy, EPFL, Tiffany Corbet, Institution de Lavigny

Workshop 2 : MOVEMENT QUANTIFICATION

By Cristina Becchio, Italian Institute of Technology and University Medical Center Hamburg-Eppendorf, Julien Favre, CHUV, Eleonora Guanzioli, Villa Beretta Hospital, Italy, Gilles Allali, CHUV

Workshop 3 : DIGITAL THERAPEUTICS

By Sonia Herbette, CHUV, Giampaolo Brichetto, Italian Multiple Sclerosis Foundation (FISM), Arseny Sokolov, CHUV

Workshop 4 : CLINICAL ITINERARIES

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

GENERAL INFORMATION:

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>

Prices and payement

Full programm, CHF 300.-

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

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

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

Languages

English / French (according to program)

Recognition - Credits demanded

Swiss Association of Neuropsychologists

Swiss Society for Physical Medicine and Rehabilitation

Swiss Society of Neurology

Swiss Society for Clinical Neurophysiology

Institution de Lavigny access



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



Parking available
at l'Institution de Lavigny

Informations

CHUV

Institution de Lavigny