



29-30th JUNE
1st JULY
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-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

Social 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, UK

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

Opening

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 Lambercy - Swiss Federal Institute of Technology (EPFZ)

10h30 - 11h00

Coffee break

11h00 - 12h30

Workshops (first turn)

12h30 - 14h00

Lunch

14h00 - 15h00

Round table - Innovative in neurorehabilitation challenges and opportunities

Thomas Platz, Franco Molteni, Arseny Sokolov, Claude Repond and Tiffany Corbet 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 (FR/ENG)

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

Workshop 2 : MOVEMENT QUANTIFICATION (ENG)

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 (FR/ENG)

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

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 persons

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 online for WFNR members

Recognition - Credits requested

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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