

Symposium

Imaging Research: Advances in Understanding and Treating Spinal Cord Injuries

We are here.

Registration
paraplegie.ch/imaging-research

 Swiss
Paraplegic
Centre

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Paraplegic
Research

Balgrist
Universitätsklinik

25-8271/2_2025 /en

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**Tuesday,
April 1, 2025
Nottwil**

Dear Colleagues,

We are delighted to invite you to the upcoming symposium “Imaging Research: Advances in Understanding and Treating Spinal Cord Injuries”, an event organized through a collaboration between the Balgrist University Hospital and the University Campus Nottwil.

The symposium will provide an in-depth exploration of cutting-edge imaging technologies and methodologies that are facilitating our understanding of spinal cord injuries and are performed in our institutions. Our researchers and clinicians will share their latest findings on how imaging techniques are contributing to the diagnosis, treatment planning, and rehabilitation of SCI patients.

This collaborative effort underscores our commitment to pushing the boundaries of SCI research through innovative imaging approaches.

We warmly invite you, as interested individual or specialist in the field of SCI medicine and research to join us in this symposium, where we can come together to share insights and exchange knowledge on the latest advancements in spinal cord injury research.

Best regards,

PD Dr. Rajeev Verma

Co-Director
Swiss Paraplegic Research /
Head of Radiology Swiss Paraplegic
Centre

Professor Dr. Dr. Patrick Freund

Head of Spinal Cord Injury Center /
Co-Director Spine Center Balgrist
University Hospital

Tuesday, April 1, 2025

Aula Schweizer Paraplegiker-Zentrum, Nottwil

6–7.20 p.m.

Imaging Research on Spinal Cord Injury, Balgrist University Hospital and University Campus Nottwil

Tracking Anti-Nogo-A antibody treatment effects using MRI: Insights from the NISCI trial

Prof. Dr. med. Patrick Freund, Balgrist University Hospital

Vitamin D supplementation in individuals with spinal cord injury – Is there an effect on bone mineral density?

PD Dr. med. Rajeev K. Verma, Swiss Paraplegic Research / Swiss Paraplegic Centre

SCI-induced structural changes in the neuroaxis: MRI insights into microvascular and microstructural alterations

Dr. Maryam Seif, Balgrist University Hospital

Revisiting motor inhibition in functional neurological disorders: What neuroimaging tells us

Dr. Giuseppe A. Zito, Swiss Paraplegic Research

Functional magnetic resonance imaging of the spinal cord: Implications for research in spinal cord injury

Dr. Gergely David, Balgrist University Hospital

Cognitive impairment in spinal cord injury: Evidence from neuroimaging of verbal fluency

Dr. Lorenzo Diana, Swiss Paraplegic Research

Discussion

7.20–7.45 p.m.

Common Vision

Sensitisation of spinal circuits in neuropathic pain following spinal cord injury: A multi-centre spinal cord fMRI study

Dr. Giuseppe A. Zito & Dr. Gergely David

Imaging Harmonization among SCI Centers to improve diagnostic accuracy and quality of SCI patients

Prof. Dr. med. Patrick Freund & PD Dr. med. Rajeev K. Verma

Discussion

7.45–9.15 p.m.

Poster presentation with Apéro riche