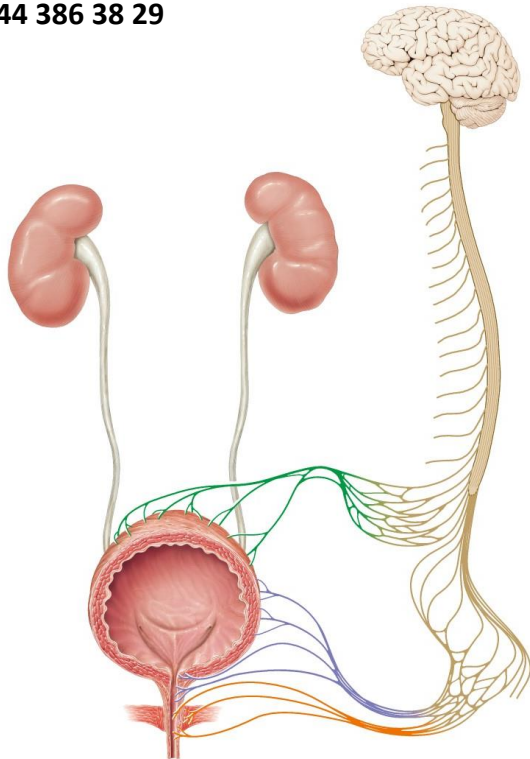




Master thesis: Neuroimaging (EEG and/or MRI) to assess lower urinary tract (dis-)function in patients with neurological diseases

Contact: Dr. Martina D. Liechti
Neuro-Urology, Balgrist University Hospital
neuro-urology@balgrist.ch
044 386 38 29



Short description: The control of the lower urinary tract (LUT) requires intact nervous signal conduction and modulation at the peripheral level as well as in neuronal centers in the spinal cord and brain. Neuro-Urology deals with diseases and functional disorders of the LUT due to damage or lesion of the nervous system. In order to investigate neural correlates of LUT control we apply neuro-urological tests and treatments (e.g. neuromodulation), evoked potentials, electroencephalography (EEG), structural, diffusion and functional magnetic resonance imaging (MRI) in healthy adults and in patients with neurological disease.

Are you:

- interested to work in an interdisciplinary team at the Neuro-Urology Department and the Spinal Cord Injury Center, University of Zurich, and Balgrist University Hospital?
- interested in neuroscience, clinical research in humans and data analysis?
- holding a BSc in Biomedicine, Biology, Health Science and Technology or similar?

We are looking forward to hearing from you!

→ <https://www.sci-research.uzh.ch/en.html>