



## NORDIC NEUROMODULATION SOCIETY

### 10<sup>th</sup> Annual Meeting in Turku, Finland 25–27 September 2024

In Co-operation with Neurocenter of Turku University Hospital, Centre of Excellence in Neuromodulation Therapies of Hospital District of Southwest Finland Wellbeing Services County and Finnish Association for the Study of Pain

Meeting venue: Mauno Koivisto centre, BioCity, Tykistökatu 6, Turku

Join us in Turku,

We warmly invite you to join the 10<sup>th</sup> Annual Meeting of the Nordic Neuromodulation Society (NNS) in Turku, Finland 25–27 September 2024. The meeting is arranged together with the Neurocenter of Turku University Hospital, the Centre of Excellence in Neuromodulation Therapies of Hospital District of Southwest Finland Wellbeing Services County and the Finnish Association for the Study of Pain.

The NNS (<http://nordicneuro.org/>) is the Nordic regional chapter of the International Neuromodulation Society (INS, <https://www.neuromodulation.com/>), a non-profit organization covering the field of neuromodulation in Denmark, Finland, Iceland, Norway and Sweden. The society welcomes everyone working professionally with neuromodulation within the Nordic region, regardless of profession.

Neuromodulation is an expanding branch in indications and techniques, not only in numbers of implanting procedures. It has potential to help more patients suffering from conditions that cannot be sufficiently treated with other means and demands more collaboration between different disciplines, specialties and professions.

Emphasizing the multidisciplinary and multiprofessional nature of neuromodulation, the topics and presenters of the meeting cover neuromodulation field exceptionally broad both in extent and in depth.

Turku is the oldest city of Finland and the former capital of the country. Today, Turku is also one of Finland's biggest cities and a centre of education and research with its large student population.

Welcome to Turku,

*Jaakko Rinne*

Head of Neurocenter

Professor of Neurosurgery

University Hospital of Turku

*Satu Jääskeläinen*

Director of Centre of Excellence in Therapeutic Neuromodulation

Director of the Division for Medical Imaging

Professor and Head of Department of Clinical Neurophysiology

University Hospital of Turku and University of Turku

*Mikael von und zu Fraunberg*

Chair of Scientific Committee

Professor, Head

Neurosurgery/Neurocenter

University Hospital of Oulu

*Ilkka Saarenpää*

Chair of Organizing Committee

Consultant Neurosurgeon, MD, PhD, MSc

Neurosurgery/Neurocenter

University Hospital of Turku

*Mette Nissen*

Chair of Neuromodulation Committee

Finnish Association for the Study of Pain

Consultant Neurosurgeon, MD, PhD

Neurosurgery/Neurocenter

University Hospital of Kuopio

## Registration

The (online) registration is available by 31<sup>th</sup> August 2024 at <https://q.surveypal.com/Nordic-Neuromodulation-Society-10th-Annual-Meeting-2024>

Registration fees are:	Members of INS/NNS	200 €
	Non-members	250 €

The registration fee includes participation in the lectures, coffees and lunches at the venue, Get Together event and Networking Dinner.

## Meeting Venue

Including registration, coffees and lunches, the meeting will be held in the first floor of Mauno Koivisto centre in BioCity, Turku (Tykistökatu 6, Turku). <https://vierailukeskusjoki.fi/en/contact/biocity/>

## Hands-on Parallel Sessions

The parallel hands-on sessions will take place in the rooms Blokki 1, 2 and 3, in the first floor of the Medisiina D building at the Turku University Hospital (Kiinamyllynkatu 10, Turku), approx. 300 meters away from the conference venue (see map below).

## Abstracts and Posters

The deadline of abstract submission is 15<sup>th</sup> July 2024. Abstracts must be sent by email to [neurokirurgia@tyks.fi](mailto:neurokirurgia@tyks.fi) without a set format. All abstracts will be reviewed by members of the scientific committee, and three abstracts will be selected for presentation (8 minutes talk and 2 minutes Q&A). The authors will be advised of the decision by 1<sup>st</sup> September. At least one author of accepted abstract must participate in the meeting. All posters will be on display for two days in the poster viewing space beside the exhibition area.

## General Assembly

The annual general assembly of NNS will be held in Presidentti auditorium in BioCity in the Mauno Koivisto centre (Tykistökatu 6, Turku) on Thursday 26<sup>th</sup> September at 16.30 – 17.30.

## Organizing Committee

Ilkka Saarenpää (chair), Mikael Fraunberg, Hannah Liuska, Annukka Aaltonen, Mette Nissen, Marika Karppinen

## Scientific Committee

Mikael Fraunberg (chair) (FI), Ilkka Saarenpää (FI), Jaakko Rinne (FI), Satu Jääskeläinen (FI), Kliment Gatzinsky (SE), Bård Lundeland (NO), Helga Gulisano (DK), Pedram Tabatabaei (SE), Kaare Meier (DK)

## PROGRAM

### Wednesday 25<sup>th</sup> September

19.00 GET TOGETHER with City of Turku, Visitor and Innovation Centre Joki,  
Lemminkäisenkatu 12 B, Turku

### Thursday 26<sup>th</sup> September

#### Future Brain Neuromodulation: Emerging Techniques & Technologies

8.30 – 9.00 Registration, coffee

9.00 – 9.10 Welcome

Satu Jääskeläinen, Director of Centre of Excellence in Neuromodulation Therapies of  
Hospital District of Southwest Finland Wellbeing Services County

#### Parallel Session 1: Searching novel targets for therapeutic neuromodulation - Chair Mikael von und zu Fraunberg

9.10 – 9.55 Return of lesions for localization and therapy  
Juho Joutsa (University of Turku)

9.55 – 10.40 At the crossroads; taking neuromodulation into clinical practice  
Magnus Thordstein (Linköping University Hospital)

10.40 – 11.25 EBRAINS - A digital ecosystem for neuroscience  
Viktor Jirsa (EBRAINS)

11.25 – 12.25 Lunch

#### Parallel Session 2: Novel non-invasive neuromodulation techniques for pain and co-morbidities - Chair Satu Jääskeläinen

12.25 – 13.10 Therapeutic transcranial magnetic (rTMS) and direct current (tDCS) stimulation for  
chronic pain  
Satu Jääskeläinen (Turku University Hospital and University of Turku)

13.10 – 13.55 Transcranial brain stimulation for depression and anxiety  
Tero Taiminen (Turku University Hospital)

Parallel Session 1 & 2: Hands-on neuromodulation for nurses and implanters arranged by Finnish Association for Study of Pain, Medisiina D, Kiinamylynkatu 10, Turku

9.10 – 12.10	SCS / DRG / ONS / SNS / PNS implantation and programming - workshop for nurses and implanters
12.10 – 12.55	Lunch
12.55 – 13.55	SCS / DRG / ONS / SNS / PNS implantation and programming - workshop for nurses and implanters

Session 3: Novel focused ultrasound techniques for clinical therapy and research - Chair Jaakko Rinne

13.55 – 14.25	Neuro-HIFU for movement disorders and pain Janek Frantzén (Turku University Hospital) Andreas Nørgaard Glud (Aarhus University Hospital)
14.25 – 14.55	Brainwashing with LIFU Vesa Kiviniemi (Oulu University Hospital)
14.55 – 15.25	Coffee
15.25 – 16.10	KEYNOTE: Brain-Computer Interface - future of brain neuromodulation? Stephan Chabardes (Grenoble Alpes University Hospital)
16.30 – 17.30	GENERAL ASSEMBLY, Presidentti auditorium The board of NNS
19.00 – 00.00	NETWORKING DINNER, restaurant Grädda, Piispankatu 15, Turku

Friday 27<sup>th</sup> September

Optimizing Efficacy of Neuromodulation in Pain and Epilepsy

Session 4: Improving neuromodulation efficacy with teamwork and digital solutions - Chair Helga Gulisano and Bård Lundeland

8.30 – 9.00	ONS for chronic headache Ida Fogh-Andersen (Aarhus University Hospital)
9.00 – 9.30	Case discussions Pocket pain / Influence of trial period / Infection prophylaxy Kaare Meier (Aarhus University Hospital)
9.30 – 10.00	Rapid fire session Poster presentations 1-3

10.00 – 10.30	Coffee
10.30 – 11.00	Digital care paths improving the efficacy of SCS treatment Nora Leino (Oulu University Hospital)
11.00 – 12.00	KEYNOTE: How to manage your team to success? Emma Kimiläinen
12.00 – 13.00	Lunch

### Session 5: Novel neuromodulation treatments for pain and epilepsy - Chair Kliment Gatzinsky

13.00 – 14.00	Collaborator presentations - Novel technologies in spinal cord stimulation TBA (Abbott) Closed-loop spinal cord stimulation (Dave Dinsmoore, Medtronic) Stimulation in the FAST lane (Johan Carlström, Boston Scientific) TBA (Nevro)
14.00 – 14.45	Vagal nerve stimulation and deep brain stimulation for refractory epilepsy Jukka Peltola (Tampere University Hospital)
14.45 – 15.15	New study on neuromodulation for trigeminal pain Rares Miscov (Aalborg University Hospital)
15.15 – 15.30	Summary and closing



Suomen Kivuntutkimusyhdistys ry

Föreningen för Smärtforskning i Finland rf  
Finnish Association for the Study of Pain  
[www.skty.org](http://www.skty.org)

## HOTEL ACCOMMODATION



Original Sokos Hotel Kupittaa

<https://www.sokoshotels.fi/fi/turku/original-sokos-hotel-kupittaa>

Booking ID: NNS2024

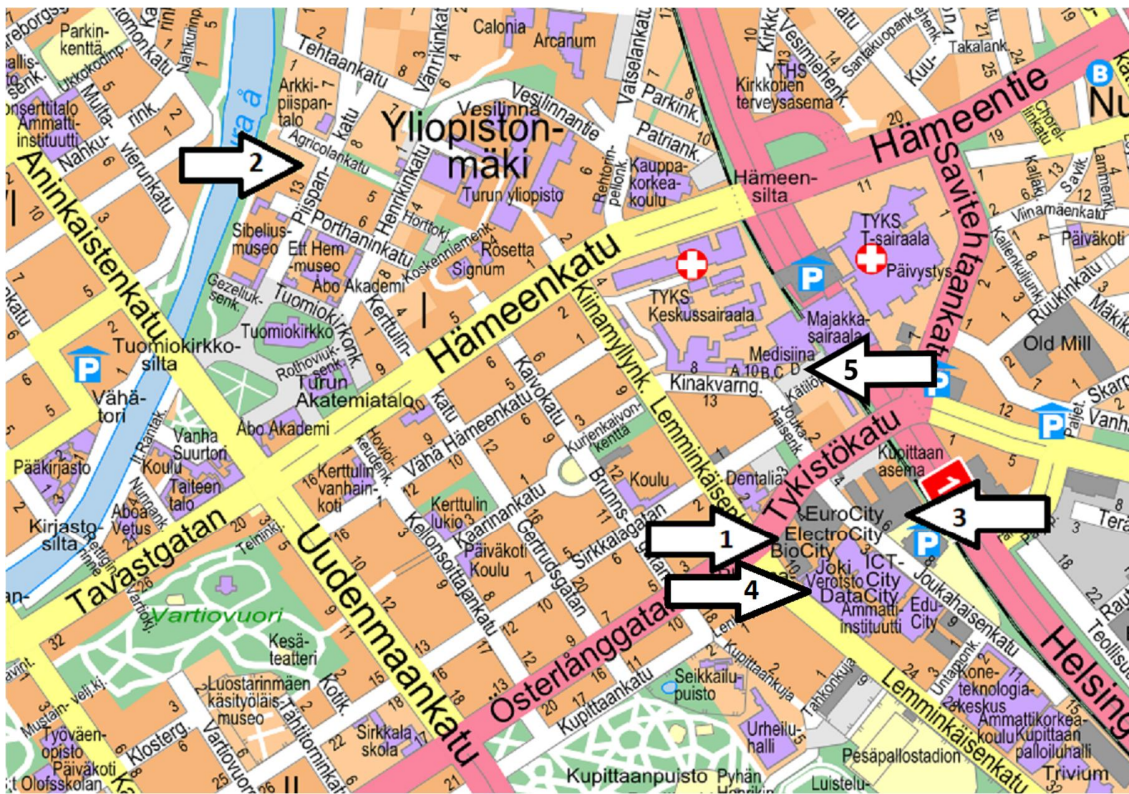
Reservations from Central Sales Service Mon–  
Fri at 8.00–18.00.

[sokos.hotels@sok.fi](mailto:sokos.hotels@sok.fi)

+358 300 870 000



## MAP



1. Mauno Koivisto Centre, BioCity (conference venue), [Tykistökatu 6, 20520 Turku](#)
2. Restaurant Grädda (Networking Dinner), [Piispankatu 15, 20500 Turku](#)
3. Original Sokos Hotel Kupittaa (hotel accommodation) and Kupittaa Railway Station, [Joulahaisenkatu 6, 20520 Turku](#)
4. Visitor and Innovation Centre Joki (Get Together), [Lemminkäisenkatu 12b, 20520 Turku](#)
5. Medisiina D (hands-on parallel session), [Kiinamylynkatu 10, 20520 Turku](#)