



NORDIC NEUROMODULATION SOCIETY

10th 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 10th 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

Jelkä 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 15th September 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 15th July 2024. Abstracts must be sent by email to 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 1st 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 26th 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 25th September

19.00 **GET TOGETHER**, Visitor and Innovation Centre Joki, Lemminkäisenkatu 12 B, Turku

Thursday 26th September

Future Brain Neuromodulation: Emerging Techniques & Technologies

8.30 – 9.00 **Registration, coffee**

9.00 – 9.10 **Welcome**
Kliment Gatzinsky, President of the Nordic Neuromodulation Society

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**
Andreas Nørgaard Glud (Aarhus University Hospital)
Janek Frantzén (Turku University Hospital)

14.25 – 14.55 **Brainwashing with LIFU**
Vesa Kiviniemi (Oulu University Hospital)

14.55 – 15.25 Coffee

15.25 – 16.10 **KEYNOTE: Can pain classification help us choose the treatment method?**
Jukka-Pekka Kouri (Orton Pain Clinic)

16.30 – 17.30 **GENERAL ASSEMBLY**, Presidentti auditorium
The board of NNS

19.00 – 00.00 **NETWORKING DINNER with City of Turku**, restaurant Grädda, Piispankatu 15, Turku

Friday 27th September

Optimizing Efficacy of Neuromodulation in Pain and Epilepsy

Session 4: Improving neuromodulation efficacy with teamwork - 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 pain
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 **New study on neuromodulation for trigeminal pain**
Rares Miscov (Aalborg 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 and digital solutions - Chair Kliment Gatzinsky

- 13.00 – 14.00 **Collaborator presentations - Novel technologies in spinal cord stimulation**
SmartLoop dose-controlled technology: objective biomarker based neural dosing (Tom Haagen, Saluda Medical / Dr Kallewaard, Amsterdam UMC) (partly virtual)
Closed-loop spinal cord stimulation (Dave Dinsmoore, Medtronic) (virtual)
Stimulation in the FAST lane (Johan Carlström, Boston Scientific)
A novel approach in SCS: frequency and follow-up (Mark Duff, Nevro)
The value of digital health technology integration using NeuroSphere virtual clinic (Stephen Ward, Abbott)
- 14.00 – 14.45 **Digital care paths improving the efficacy of SCS treatment**
Nora Leino (Oulu University Hospital)
- 14.45 – 15.15 **Vagal nerve stimulation and deep brain stimulation for refractory epilepsy**
Jukka Peltola (Tampere University Hospital)
- 15.15 – 15.30 **Summary and closing**
Mikael von und zu Fraunberg (Oulu University Hospital)



Suomen Kivuntutkimusyhdistys ry

Föreningen för Smärtforskning i Finland rf
Finnish Association for the Study of Pain
www.skty.org

HOTEL ACCOMMODATION



Original Sokos Hotel Kupittaa

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

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

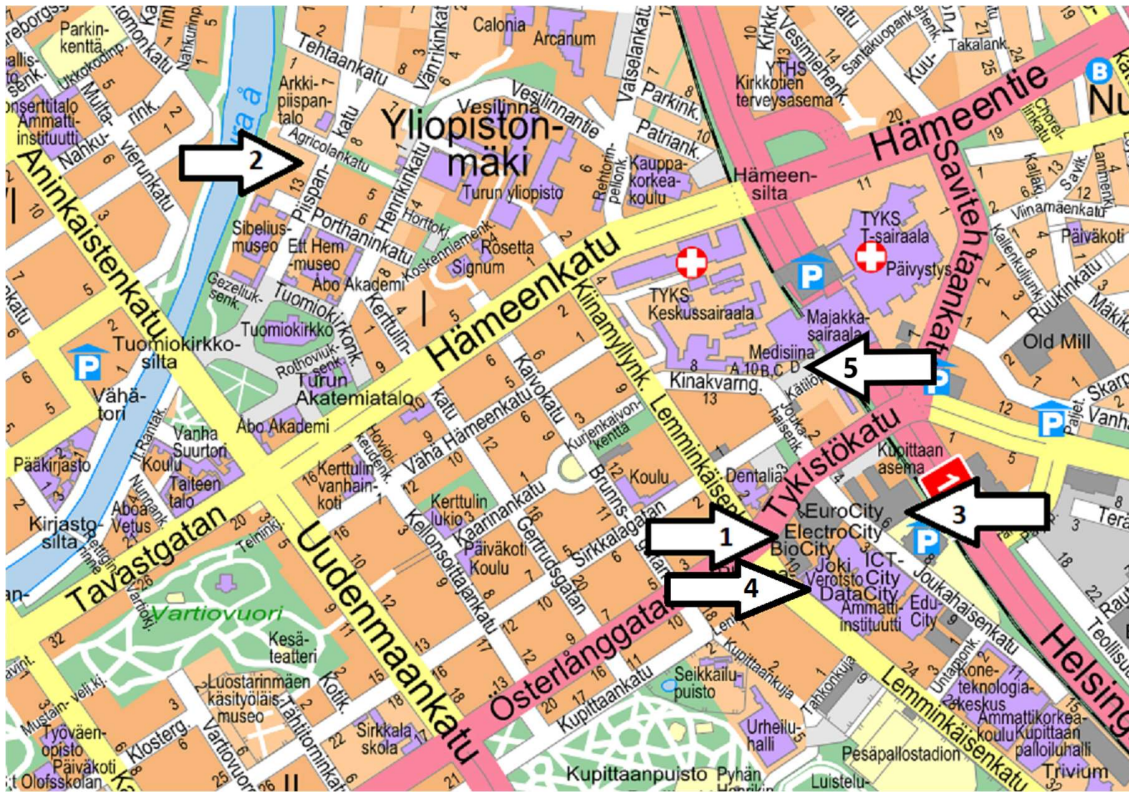
+358 300 870 000

sokos.hotels@sok.fi

Booking ID: **NNS2024**

It is possible to make an online reservation. The booking ID for reduction in room rate only can be used if accommodation is booked by a telephone call or an email.

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, [Joukahaisenkatu 6, 20520 Turku](#)
4. Visitor and Innovation Centre Joki (Get Together), [Lemminkäisenkatu 12b, 20520 Turku](#)
5. Medisiina D (hands-on parallel session), [Kiinamyllynkatu 10, 20520 Turku](#)

Platinum Sponsors



Platinum Sponsors



Gold Sponsors

Boston Scientific

Advancing science for life™



NEURO

Gold Sponsors

Medtronic

Engineering the extraordinary

MagVenture
Cephalon 
Your Neuro Partner

Gold Sponsors

INSIGHTITEC

Titanium Sponsors

Nexstim

Lundbeck



PO MEDICA



sooma