

## 3<sup>rd</sup> Young Researchers Day – The Next Generation in Pain Research – March 22, 2025

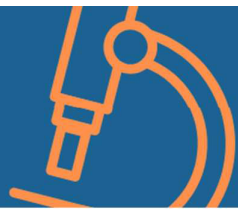
### The next generation in pain research

**9.30 – 10.00 Registration + coffee/tea**  
Entrance Hall

**10.00 – 10.30 Welcome by the Host institution, the President of the Belgian Pain Society, the Organizing Committee**  
Prof. dr. Kristof Deseure, Prof. dr. Guy Hans, Drs. Michiel Brandt  
Aula O7

### 10.30 – 12.30 Oral presentations

	<b>Parallel Oral Session I – Aula O7</b> <i>Moderator: Laurens Peene, MD</i>	<b>Parallel Oral Session II – Aula O8</b> <i>Moderator: Dra. Amber Billens</i>
<b>10.30</b>	O1: Pregnancy-Related Lumbopelvic Pain and its Relationship with Postural Control in Multigravid Pregnant Women ( <i>Myrthe Gregoor</i> )	O8: Is autonomic function associated with (central) pain processing in individuals with chronic pain? A systematic review ( <i>Iris Meuwissen</i> )
<b>10.47</b>	O2: Protocol for a randomized controlled trial to evaluate the effectiveness of a structured exercise program in preventing chemotherapy-induced peripheral neuropathy ( <i>Elise Aerts</i> )	O9: Reaching consensus on the content of a Biopsychosocial Rehabilitation Programme in Chronic Low Back Pain – Checklist: a Delphi Study ( <i>Dries Ceulemans</i> )
<b>11.04</b>	O4: Mitochondrial dysfunction in Myalgic Encephalomyelitis/Chronic Fatigue Syndrome: preliminary results on mitochondrial flux analyses ( <i>Jente Van Campenhout</i> )	O11: Enhancing Postural Control, Pain and Disability through Proprioceptive Training in Individuals with Low Back Pain: A Proof-of-Concept ( <i>Sofie Dierckx</i> )
<b>11.21</b>	O5: Ultrasound and Shear Wave Elastography in Breast Cancer Patients: Exploring Soft Tissue Changes and Their Relationship to Self-Reported Shoulder Complaints ( <i>Kaat Verbeelen</i> )	O12: Stress and pain systems: A meta-analysis of their complex physiological interplay ( <i>Joren Vyverman</i> )
<b>11.38</b>	O6: Quantitative Sensory Testing across Four Body Regions of Healthy Volunteers: a Reproducibility Study ( <i>Flore Van Olmen</i> )	O13: Patterns in anticipatory postural adjustment onset timing across multiple trunk muscles: Psychological correlates and participant clustering along the low back pain continuum ( <i>Jaap Wijnen</i> )
<b>11.55</b>	O7: From breast cancer diagnosis to survivorship: analyzing perioperative biopsychosocial phenotypes and their relationship to pain on long term ( <i>Amber De Groote</i> )	O14: Adrenergic dysfunction in patients with myalgic encephalomyelitis/chronic fatigue syndrome and fibromyalgia: A systematic review and meta-analysis ( <i>Jolien Hendrix</i> )
<b>12.12</b>	O3: Reliability and validity of the Dutch bodily threat monitoring scale in breast cancer survivors ( <i>Marthe Van Overbeke</i> )	O10: The effects of Exercise Therapy on Heart Rate Variability in individuals with Chronic Musculoskeletal pain: a systematic review ( <i>Timo Meus</i> )



**12.30 – 13.15 Lunch and coffee + poster viewing (optional)**

*Entrance Hall*

**13.15 – 14.00 Networking Event**

*Entrance Hall*

**14.00 – 14.40 Poster presentations (parallel poster walks)**

*Entrance Hall*

<b>Poster Walk A</b> <i>Moderator: Dra. Aïcha Boutachkout</i>			<b>Poster Walk B</b> <i>Moderator: Lisa Bernaerts, MSc</i>	
14.00	P1	Effects of Personalized Transcranial Alternating Current Stimulation (tACS) on Pain Perception ( <i>Yaser Fathi Arateh</i> )	P5	Study Design and Methods for Investigating T cell Dysfunction in Chronic Pain: A Focus on Immune Exhaustion and Senescence ( <i>Yanthe Buntinx</i> )
14.06	P2	A novel presurgical risk prediction model for chronic post-surgical pain for adults undergoing any type of surgery: development of the P4-Prevoque questionnaire [PERISCOPE trial] ( <i>Eva Wauters</i> )	P6	The enigma of subjective lymphedema: How often and why do patients report lymphedema after breast cancer treatment without an objective measurable swelling? The role of lymphatic and sensory processing problems: A protocol for a multicenter prospective longitudinal study ( <i>Laura Spincemaille</i> )
14.12	P3	Back muscle characteristics to tailor exercise therapy for low back pain: study protocol and preliminary results of the “Back-to-Back” proof of concept study ( <i>Vasiliki Karagiannopoulou</i> )	P7	The LipObes study: Understanding the differences and associations of pain characteristics, psychological symptoms, and quality of life in obese patients with and without lipedema ( <i>Ceren Gursen</i> )
14.18	P4	Can the relationship between migraine and neck pain be explained by clinical and pain threshold variables? ( <i>Amanda Rodrigues</i> )	P8	Gender, pain and the development of a questionnaire to study their relationship ( <i>Robrecht De Baere</i> )

Poster Walk C Moderator: Prof. dr. Davina Wildemeersch			Poster Walk D Moderator: Dra. Iris Meuwissen	
14.00	P9	The sleep-MOMagement project: effectiveness of person-centered behavioural interventions for postpartum maternal sleep improvement – A randomized controlled trial protocol ( <i>Manon De deyne</i> )	P14	Unravelling the neuropsychophysiological link between stress and pain: A protocol ( <i>Joren Vyverman</i> )
14.06	P10	Pain sensitivity and structural brain changes post breast cancer surgery ( <i>Amber De Grootte</i> )	P15	Stress intolerance in patients with chronic widespread pain: Are epigenetic mechanisms the answer to the mystery? ( <i>Jolien Hendrix</i> )
14.12	P11	PROFit Primi: The role of proprioceptive, fear-related and inflammatory factors in the persistence of pregnancy-related lumbopelvic pain in primiparous women: study protocol ( <i>Eline Peuskens</i> )	P16	Effects of test modality and testing site on exercise-induced hypoalgesia in healthy human males ( <i>Vladimir Aron</i> )
14.18	P12	Sexual dysfunction and its association with persistent pain after breast and rectal cancer surgery: a study protocol ( <i>Marie Ham</i> )	P17	The Impact of Sleep and Gut Microbiota on Pain: preliminary results ( <i>Gwenaëlle Mievis</i> )
14.24	P13	<del>Responsiveness of the Dutch Pain Disability Index (PDI) in breast cancer survivors experiencing persistent pain: a protocol (<i>Marthe Van Overbeke</i>)</del>		



**14.45 – 16.05 Hot topic debate: Managing lifestyle in chronic pain – A multidisciplinary debate**

Moderators: Dr. Michel Mertens, Prof. dr. Jonas Verbrugghe

*Aula 07*

**14.45 – 14.55** Introduction + opening public voting awards

**14.55 – 15.15** Keynote presentation 1: Moving beyond pain: overcoming barriers for physical activity in chronic pain  
Prof. dr. Mira Meeus (*University of Antwerp*)

**15.15 – 15.35** Keynote presentation 2: Putting Pain to Sleep: the importance of sleep in pain management  
Prof. dr. Anneleen Malfliet (*Vrije Universiteit Brussel*)

**15.35 – 16.05** Discussion + Voting

**16.05 – 16.30 Closing and awards ceremony**

Dr. Koen Van Boxem, Drs. Yanis Mouheb

*Aula 07*

