



Key: ■ Lectures and Meet the Expert ■ Oral Sessions ■ Poster Sessions ■ Social and Institutional events, Breaks

# Pain Science in Motion III

International and Interdisciplinary Colloquium on Research Methods in Pain Sciences

May 31<sup>st</sup> - June 2<sup>nd</sup> 2019, University Campus of Savona, Italy

## Scientific Program

OPENING DAY: FRIDAY, MAY 31<sup>ST</sup>. SIBILLA CONFERENCE HALL – PRIAMAR FORTRESS

17:45	Institutional opening
18:00	<b>Opening Lecture</b> “Placebo and Nocebo: different contexts, different pains” <b>Speaker:</b> Prof. Fabrizio Benedetti
18:45	Welcome cocktail

DAY 1: SATURDAY, JUNE 1<sup>ST</sup>, 2019. UNIVERSITY CAMPUS OF SAVONA, ITALY

9.00 - 9.45	<b>Keynote lecture – ROOM AN1</b> “Is pain a (relevant) comorbidity?” <b>Speaker:</b> Prof. Robert de Bie	
10.00 - 11.00	<b>Oral Session 1 – ROOM AN1</b> <b>Pain and physical activity, physical function and aerobic capacity</b> <b>Chair:</b> TBD <ol style="list-style-type: none"> <li>The influence of physical activity on the nociceptive flexion reflex in healthy adults: a cross-sectional study. <i>Evy Dhondt</i> (Belgium)</li> <li>Do contemporary measures of physical function enhance the prediction of ongoing pain and disability following whiplash trauma: protocol for a prospective observational study. <i>Ahmed Alalawi</i> (UK)</li> <li>Association between central sensitization and lifting and aerobic capacity in patients with chronic low back pain. <i>Jone Ansuategui Echeita</i> (the Netherlands)</li> <li>Daily physical activity levels are predictive of the effectiveness of conditioned pain modulation. <i>Sophie Van Oosterwijck</i> (Belgium)</li> </ol>	<b>Oral Session 2 – ROOM AN2</b> <b>Chronic low back pain</b> <b>Chair:</b> TBD <ol style="list-style-type: none"> <li>What is the influence of low back pain on muscular activity and movement during a cyclical dynamic task? <i>Andy Sanderson</i> (UK)</li> <li>Chronic low back pain and nutrition in adults: a cross-sectional observational study. <i>Ömer Elma</i> (Turkey/Belgium)</li> <li>Comparison of the impact of central sensitization between patients with chronic low back pain and knee osteoarthritis. <i>Katsuyoshi Tanaka</i> (Japan)</li> <li>Cognitive behavioral therapy for insomnia within a comprehensive treatment approach for chronic spinal pain: a randomized controlled trial. <i>Eveline Van Looveren</i> (Belgium)</li> </ol>
11.00 - 11.30	Coffee Break – CAMPUS LIBRARY, GROUND FLOOR	

**Poster sessions – CAMPUS LIBRARY FIRST FLOOR**

11.30 – 12.30	<b>Poster sessions – CAMPUS LIBRARY FIRST FLOOR</b>				
	<p><b>Poster session 1: Pain Management</b> <b>Chair:</b> TBD</p> <p><b>P1.</b> Comparison of Acceptance &amp; Commitment Therapy (ACT) to a multi-modal Physical Therapist intervention (PT) and ACT/PT combination for chronic pain. Jennifer Gansen (USA)</p> <p><b>P2.</b> The effectiveness of Robot- Erigo to reduce the pain in patients with advanced MS (EDSS ≥7). <i>Mehrnaz Hamedani</i> (Italy)</p> <p><b>P3.</b> Efficacy of a pain neurophysiology education program in patients with osteoarthritis knee chronic pain. Antonio Romeo Méndez (Spain)</p> <p><b>P4.</b> Innovation in pain management: using a participatory design method to develop a relapse prevention intervention. Stefan Elbers (The Netherlands)</p>	<p><b>Poster session 2: Quantitative sensory testing</b> <b>Chair:</b> TBD</p> <p><b>P5.</b> Inter-rater reliability of temporal summation, thermal and pressure pain thresholds in a musculoskeletal trauma population. Nicola Middlebrook (UK)</p> <p><b>P6.</b> Effects of conditioned pain modulation on the nociceptive flexion reflex in healthy adults: a systematic review. Evy Dhondt (Belgium)</p> <p><b>P7.</b> Central pain modulation in children with functional abdominal pain related disorders. Roselien Pas (Belgium)</p> <p><b>P8.</b> Quantitative Sensory Testing in Breast Cancer Patients: validity and reliability. Lore Dams (Belgium)</p> <p><b>P9.</b> Thermographic patter of the hand and its relationship with the pressure pain threshold in Fibromyalgia patients. Antonio Casas (Spain)</p>	<p><b>Poster session 3: Spinal pain</b> <b>Chair:</b> TBD</p> <p><b>P10.</b> Modulation of the time of action of a placebo analgesic cream in neck pain patients. Eleonora Maria Camerone (Italy)</p> <p><b>P11.</b> Health history, trigger points and widespread pressure pain hypersensitivity in subjects with chronic neck pain: a preliminary study. Matteo Castaldo (Italy)</p> <p><b>P12.</b> Investigating the variability of spinal movement during walking in people with chronic neck pain. Feras Alsultan (UK)</p> <p><b>P13.</b> Efficacy of Pain neuroscience education plus cognition-targeted motor control to improve cervical motor control: secondary analysis of a RCT. Ward Willaert (Belgium)</p> <p><b>P14.</b> The interaction between chronic spinal pain and sleep quality in people with chronic spinal pain and comorbid insomnia: a systematic review. Eveline Van Looveren (Belgium)</p>	<p><b>Poster session 4: Culture</b> <b>Chair:</b> TBD</p> <p><b>P15.</b> Religious Beliefs and Practices in Relation to Chronic Pain among Multiethnic Communities. Charbel Najem (Lebanon)</p> <p><b>P16.</b> Medical doctor's views on fibromyalgia across the globe: consensus on diagnostics and treatment or just a matter of culture? Rubén Uclés-Juárez (Spain)</p> <p><b>P17.</b> The culture-sensitive and standard pain neuroscience education improve pain, disability, and pain cognitions in first-generation Turkish migrants with chronic low back pain: a pilot randomized controlled trial. Dorine Lenoir (Belgium)</p> <p><b>P18.</b> Development of culturally sensitive Pain Neuroscience Education materials for Hausa patients with chronic spinal pain: A modified Delphi study. Naziru Bashir Mukhtar (Belgium)</p>	<p><b>Poster session 5: Cognitive and lifestyle factors related to pain</b> <b>Chair:</b> TBD</p> <p><b>P19.</b> Chronic Pain and Nutrition in Breast Cancer Survivors: A Cross-sectional Study. Sevilay Tumkaya Yilmaz (Turkey/Belgium)</p> <p><b>P20.</b> Pain intensity, central sensitization and pain catastrophizing in Raynaud's phenomenon: a case-control study. Rosa Maria Tapia (Spain)</p> <p><b>P21.</b> Associations Between Symptoms of Central Sensitization and Cognitive Behavioral Factors In People With Chronic Low Back Pain: A Cross-Sectional Study. Eva Huysmans (Belgium)</p> <p><b>P22.</b> The role of nutrition in chronic musculoskeletal pain: a systematic review. Ömer Elma (Turkey/Belgium)</p>

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12.20 - 13.30	<b>Lunch</b> – CAMPUS CANTEEN	
13.30 – 14.15	<b>Keynote lecture</b> – ROOM AN1 “Optimising exercise outcome for people with spinal pain” <b>Speaker:</b> Prof. Deborah Falla	
14.20 – 15.20	<b>Oral Session 3</b> – ROOM AN1 <b>Assessment</b> <b>Chair:</b> TBD <ol style="list-style-type: none"> <li>Offset analgesia in patients with migraine and healthy controls. <i>Tibor Szikszay</i> (Germany)</li> <li>Who is more prone to experimentally-induced central sensitization amongst subjects with temporomandibular disorders and healthy individuals? <i>Timothée Cayrol</i> (Belgium)</li> <li>Investigating the repeatability and stability of exercise induced hypoalgesia in healthy adults. <i>Pauline Kuithan</i> (UK)</li> <li>Parallel versus sequential conditioned pain modulation testing using various parameters: does it make a difference? <i>Roland Reezigt</i> (the Netherlands)</li> </ol>	<b>Oral Session 4</b> – ROOM AN2 <b>Cancer-related pain</b> <b>Chair:</b> TBD <ol style="list-style-type: none"> <li>Relations between nutrition and chronic pain in cancer patients and cancer survivors. <i>Sevilay Tumkaya Yilmaz</i> (Turkey/Belgium)</li> <li>The effectiveness of pain neuroscience education (PNE) for pain-related disability after breast cancer surgery (EduCan Trial): study protocol for a randomized controlled trial. <i>Lore – Elie Dams – Van der Gucht</i> (Belgium)</li> <li>Using a humanoid robot to distract children with cancer undergoing painful procedures: a pilot randomized controlled trial. <i>Emma Rheel</i> (Belgium)</li> <li>Prevalence and risk factors of sleep disorders in breast cancer survivors: systematic review and meta-analysis. <i>Astrid Lahousse</i> (Belgium)</li> </ol>
15.20 – 15.50	<b>Coffee Break</b> – CAMPUS LIBRARY, GROUND FLOOR	
15.50 – 16.30	<b>Meet the expert 1</b> – ROOM AN1 <b>Research designs for studying pain</b> Prof. Robert de Bie <b>Chair:</b> TBD	<b>Meet the expert 2</b> – ROOM AN1 <b>Strategies to increase publication success</b> Prof. Deborah Falla <b>Chair:</b> TBD
16.30 – 17.30	<b>Oral Session 5</b> – ROOM AN1 <b>Basic Science</b> <b>Chair:</b> TBD <ol style="list-style-type: none"> <li>Noninvasive intracranial pressure monitoring in patients with chronic migraine. <i>Denise Martineli Rossi</i> (Brazil)</li> <li>Epigenetics of BDNF and its relationship with central sensitization in patients with chronic widespread pain and chronic fatigue syndrome. <i>Andrea Polli</i> (Italy/Belgium)</li> <li>Assessment of the effects caused by mechanical stimulation in peripheral nervous system. <i>Giacomo Carta</i> (Italy)</li> <li>Self-reinforcement mechanism of the placebo effect in painful paraesthesia. <i>Waclaw Adamczyk</i> (Germany)</li> </ol>	<b>Oral Session 6</b> – ROOM AN2 <b>Pain Neuroscience Education</b> <b>Chair:</b> TBD <ol style="list-style-type: none"> <li>Pain neuroscience education for children with functional abdominal pain related disorders: a randomized controlled pilot study. <i>Roselien Pas</i> (Belgium)</li> <li>Pain education for patients with low back pain in Nepal: results from PNE-LBP feasibility clinical trial. <i>Saurab Sharma</i> (Nepal)</li> <li>Effectiveness of pain neuroscience education and physiotherapy in subjects scheduled for a total knee arthroplasty: randomized clinical trial. <i>Marc Terradas-Monllor</i> (Spain)</li> <li>Effects of virtual reality-based rehabilitation in patients with total knee arthroplasty: a randomized controlled trial. <i>Silvia E. Gianola</i> (Italy)</li> </ol>

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17.30	Closure day 1 – ROOM AN1
20.00	Social Dinner

DAY 2: SUNDAY, JUNE 2<sup>ST</sup>, 2019. UNIVERSITY CAMPUS OF SAVONA, ITALY

9.00 - 9.45	<p align="center"><b>Keynote lecture – ROOM AN1</b>  “Assessing central and peripheral mechanisms of pain and fatigue”  <b>Speaker:</b> Prof. Jessica Van Oosterwijck</p>				
10.00 - 11.00	<p align="center"><b>Oral Session 7 – ROOM AN1</b>  <b>Improving treatment responses</b>  <b>Chair:</b> TBD</p> <ol style="list-style-type: none"> <li>Barriers and facilitators with regard to the usability of a blended intervention in patients with medically unexplained physical symptoms. <i>Suze Toonders</i> (the Netherlands)</li> <li>Rehabilitation intervention in randomized controlled trials for low back pain: are they statistically significant and clinically relevant? <i>Greta Castellini</i> (Italy)</li> <li>A Delphi study to identify care priorities for South African patients suffering with phantom limb pain after limb amputation. <i>Katleho Limakatso</i> (South Africa)</li> <li>The use of symptomatic medication is associated with the degree of sensitization in patients with tension type headache. <i>Matteo Castaldo</i> (Denmark)</li> </ol>		<p align="center"><b>Oral Session 8 – ROOM AN2</b>  <b>Pain and surgery</b>  <b>Chair:</b> TBD</p> <ol style="list-style-type: none"> <li>Associations between health-related quality of life and nociceptive modulation and employment status in patients with lumbar radiculopathy. <i>Wouter Van Bogaert</i> (Belgium)</li> <li>Central pain processing, psychosocial and lifestyle factors as potential moderators of outcome after rotator cuff repair: a protocol. <i>Ariane Schwank</i> (Switzerland/Belgium)</li> <li>Which factors influence the central sensitization inventory in patients of the total hip replacement waiting list? <i>Leandro Fukusawa</i> (Brazil)</li> <li>The role of pain cognitions in health care utilization in patients undergoing surgery for lumbar radiculopathy: a randomized controlled trial. <i>Eva Huysmans</i> (Belgium)</li> </ol>		
11.00 - 11.30	<p align="center"><b>Coffee Break – CAMPUS LIBRARY, GROUND FLOOR</b></p>				
11.30 – 12.30	<p align="center"><b>Poster sessions – CAMPUS LIBRARY, FIRST FLOOR</b></p>				
	<p><b>Poster session 6:</b>  <b>Spinal pain</b>  <b>Chair:</b> TBD</p> <p><b>P23.</b> Central sensitization and physical activity in patients with chronic low back pain. <i>Jone Ansuategui Echeita</i> (The Netherlands)</p>	<p><b>Poster session 7:</b>  <b>Psychology &amp; pain</b>  <b>Chair:</b> TBD</p> <p><b>P28.</b> Reliability and validity of the Dutch Injustice Experience Questionnaire in patients with chronic pain. <i>Rinske Bults</i> (The Netherlands)</p>	<p><b>Poster session 8:</b>  <b>Basic Science</b>  <b>Chair:</b> TBD</p> <p><b>P33.</b> Reactive postural responses of patients with migraine – A controlled study. <i>Gabriela Ferreira Carvalho</i> (Brazil)</p>	<p><b>Poster session 9:</b>  <b>Clinical assessment</b>  <b>Chair:</b> TBD</p> <p><b>P38.</b> Diagnosis of frozen shoulder: value of the coracoid pain test. A research proposal. <i>Michel Mertens</i> (Belgium)</p>	<p><b>Poster session 10:</b>  <b>Surgery</b>  <b>Chair:</b> TBD</p> <p><b>P43.</b> Treatment recommendations for phantom limb pain in people with amputations: an expert consensus Delphi study. <i>Katleho Limakatso</i> (South Africa)</p>

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	<p><b>P24.</b> Functional brain alterations in low back pain: a systematic review of EEG studies. Sophie Van Oosterwijck (Belgium)</p> <p><b>P25.</b> Movement Evoked Pain in Patients with Chronic Low Back Pain: Is There a Role for Transcutaneous Electrical Nerve Stimulation? A Pilot Study. Lynn Leemans (Belgium)</p> <p><b>P26.</b> Risk factors for developing insomnia in chronic spinal pain patients: a systematic review and meta-analysis. Thomas Bilterys (Belgium)</p> <p><b>P27.</b> Morphological differences in the upper trapezius muscle between female office workers with and without trapezius myalgia: facts or fiction? Kayleigh De Meulemeester (Belgium)</p>	<p><b>P29.</b> Parental involvement during children's painful medical procedures: a systematic review. Emma Rheel (Belgium)</p> <p><b>P30.</b> The knowledge of contextual factors as triggers of placebo and nocebo effects in patients with musculoskeletal pain: findings from a national survey. Giacomo Rossettini (Italy)</p> <p><b>P31.</b> Explicit and implicit experience of one's own body in musculoskeletal and rheumatic disorders: a scoping review. Antonello Viceconti (Italy)</p> <p><b>P32.</b> Theological and philosophical concepts of hope and their clinical application in a holistic treatment of chronic pain. Lena Maria Lorenz (UK)</p>	<p><b>P34.</b> Offset analgesia: affected by exercise and delayed onset muscle soreness? Tibor Szikszay (Germany)</p> <p><b>P35.</b> Noxious stimuli in the neck does not inhibit tactile acuity function. Wacław Adamczyk (Germany)</p> <p><b>P36.</b> Infrared thermography of the hand and its relationship with the symptomatology in patients with Fibromyalgia. Antonio Casas (Spain)</p> <p><b>P37.</b> Pressure pain sensitivity, pain magnitude and vascular impairment in Raynaud's phenomenon. Rosa Maria Tapia (Spain)</p>	<p><b>P39.</b> Development of the Illustrated Scale of Fear of Activities Related to the Shoulder in subjects with shoulder persistent pain. Pilot-Testing. Walter Ansanello (Spain)</p> <p><b>P40.</b> Reliability, Validity, Responsiveness and Minimal Clinically Important Change of the Dutch Version of the Pain Disability Index (DV-PDI) in Female Breast Cancer Patients. Elien Van der Gucht (Belgium)</p> <p><b>P41.</b> Advancing the clinical assessment of sensitivity to physical activity. Arthur Woznowski-Vu (Canada)</p> <p><b>P42.</b> Multidimensional evaluation of patients with Low Back Pain in public hospital - Preliminary results of a cross-sectional study. Leandro Fukusawa (Brazil)</p>	<p><b>P44.</b> The influence of pain cognitions on conditioned pain modulation in patients with lumbar radiculopathy scheduled for surgery: a cross-sectional study. Wouter Van Bogaert (Belgium)</p> <p><b>P45.</b> Analysis of the prognostic factors of functional results in patients undergoing cuff rotator repair. Felipe de Souza Serenza (Brazil)</p> <p><b>P46.</b> The role of expectations in patient reported outcomes following shoulder arthroplasty: A prospective cohort study (The Shoulder Diary). Brechtje Hesselting (UK)</p> <p><b>P47.</b> Predicting outcome of total knee replacement surgery in patients with knee osteoarthritis: a prospective study on the role of altered central pain processing, structural, functional, metabolic, inflammatory and psychological factors. Lotte Meert (Belgium)</p>
12.20 - 13.30	Lunch – CAMPUS CANTEEN				

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13.30 – 14.15	<p align="center"><b>Keynote lecture – ROOM AN1</b>  “Pain and the representation of the body in the brain; a complex relationship”  <b>Speaker:</b> Prof. Alberto Gallace</p>	
14.20 – 15.20	<p align="center"><b>Oral Session 9 – ROOM AN1</b>  <b>Non-specific factors in therapy</b>  <b>Chair:</b> TBD</p> <ol style="list-style-type: none"> <li>1. Observing transdisciplinary pain neuroscience education practice: what kind of processes are involved? <i>Amarins Wijma</i> (the Netherlands)</li> <li>2. Measuring therapeutic alliance in multidisciplinary pain rehabilitation. <i>Davy Paap</i> (the Netherlands)</li> <li>3. Influence of education level on the effectiveness of pain neuroscience education: a secondary analysis of a randomized controlled trial. <i>Thomas Bilterys</i> (Belgium)</li> <li>4. Modulation of the time of action of a placebo analgesic cream in healthy adults. <i>Eleonora Maria Camerone</i> (Italy)</li> </ol>	<p align="center"><b>Oral Session 10 – ROOM AN2</b>  <b>Psychology in Pain</b>  <b>Chair:</b> TBD</p> <ol style="list-style-type: none"> <li>1. Psychological flexibility and beliefs about illness in patients with fibromyalgia: are there differences among patients from Latin America and Spain? <i>Rubén Uclés-Juárez</i> (Spain)</li> <li>2. Pain-related sensory and psychological factors may contribute to walking impairment in adults with low back pain. <i>Katie Butera</i> (USA)</li> <li>3. Spinal Cord Injury and emotional responses: a topography in empathy for pain. <i>Giulia Caffini</i> (Italy)</li> <li>4. Body Perception in fibromyalgic patients: a mixed-method research study. <i>Antonello Viceconti</i> (Italy)</li> </ol>
15.20 – 15.50	<p align="center"><b>Coffee Break – CAMPUS LIBRARY, GROUND FLOOR</b></p>	
15.50 – 16.30	<p><b>Meet the expert 3 – ROOM AN1</b>  <b>How to continue a career in academia: You have a PhD, now what?</b>  Prof. Jessica Van Oosterwijck  <b>Chair:</b> TBD</p>	<p><b>Meet the expert 4 – ROOM AN2</b>  <b>Research in human somatosensation: methods and potentialities</b>  Prof. Alberto Gallace  <b>Chair:</b> TBD</p>
16.30 – 17.30	<p align="center"><b>Summary and Awards of Best Oral and Poster Presentation – ROOM AN1</b>  <b>PSiM 2021 announcement</b></p>	
17.30	<p align="center"><b>Closure of conference – ROOM AN1</b></p>	