

Neuroplasticity and Pain in the Transition from Acute to Prolonged Pain FRESCO@CNAP workshop, May 20-21 2021, Aalborg

Day 1, Thursday 20 May 2021

08:45	Coffee and registration
09:00	Welcome and introduction <i>Centre Director, Prof. Thomas Graven-Nielsen, CNAP, Department of Health Science and Technology, Aalborg University</i>
09:10	Short-term lncRNA modifications induced by experimental pain <i>Prof. Massimiliano Valeriani, Division of Neurology, Ospedale Pediatrico Bambino Gesù, Rome</i>
09:30	Exploring biomarkers in patients affected by fibromyalgia <i>Postdoc Maria Carla Gerra, CNAP, Department of Health Science and Technology, Aalborg University</i>
09:50	Neurophysiological correlates of acute and chronic pain <i>Prof. Markus Ploner, Department of Neurology, Technical University of Munich</i>
10:10	Break and energiser
10:30	Cortical neurostimulation for pain relief: between anecdote and evidence <i>Research Director Luis Garcia-Larrea, NEURO-PAIN, Central Integration of Pain in Humans, Lyon Neuroscience Research Center, Inserm, University of Lyon</i>
10:50	Nociceptor activation during cutaneous laser stimulation <i>Assoc. Prof. Steffen Frahm, CNAP, Department of Health Science and Technology, Aalborg University</i>
11:10	Is the excitability of peripheral nerve fiber altered during neuropathic pain? <i>Assoc. Prof. Carsten Dahl Mørch, CNAP, Department of Health Science and Technology, Aalborg University</i>
11:30	Discussion of morning presentations in breakout rooms
12:00	Lunch break and energiser
13:30	Predicting the transition to chronic pain using cortical biomarkers <i>Dr. Siobhan Schabrun, Neuroscience Research Australia</i>
13:50	Combined measurement of Nociceptive Detection Thresholds and Electrical Brain Responses for observation of nociceptive processing <i>PhD Fellow Boudewijn van den Berg and Assoc. Prof. Jan R. Buitengeweg, University of Twente</i>
14:10	Exploring central sensitization and its modulation in humans <i>Prof. André Mouraux, Institute of Neuroscience, Université catholique de Louvain</i>
14:30	tES and EEG applied research at Neuroelectrics <i>Dr. Rafal Nowak, Neuroelectrics, Spain</i>
14:50	Break with digital networking
15:30	End of the programme day 1

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Day 2, Friday 21 May 2021

09:00	Opening of day 2 <i>Centre Director, Prof. Thomas Graven-Nielsen, CNAP, Department of Health Science and Technology, Aalborg University</i>			
09:05	Mechanisms of arthritic pain in antigen-induced arthritis and Glucose-6-Phosphate Isomerase-Induced Arthritis: what can we learn from different models? <i>Prof. Hans-Georg Schaible, Institute of Physiology I Neurophysiology, Jena University Hospital</i>			
09:25	Musculoskeletal pain translated forwards and back again <i>Prof. David Walsh, Director of Pain Centre Versus Arthritis, Nottingham University</i>			
09:45	Mechanistic pain profiling of patients with osteoarthritis <i>Assoc. Prof. Kristian Kjær Petersen, CNAP, Department of Health Science and Technology, Aalborg University</i>			
10:05	Break and energiser			
10:25	Discussion of morning presentations in breakout rooms			
10:50	Poster presentations by FRESCO@CNAP PhD fellows and others (in breakout rooms):			
	Room 1	Room 2	Room 3	Room 4
10.50-11.00	Motion tasks during mirror visual feedback (MVF) activate bilateral primary motor cortex: an EEG study (Marco Rizzo, AAU)	Childhood pain and future health: decisions made by lipids? (Alexandra Vogel, Mainz University Medical Center)	Transcutaneous electrical nerve stimulation as a pain-relieving approach in the first stage labouring parturients – a randomized double-blinded controlled pilot study (Kenoja Thuvarakan, AAU)	Theta Burst Brain Stimulation in Painful Diabetic Neuropathy Patients: Investigating Neural Mechanisms (Bhushan Thakkar, Virginia Commonwealth University)
11.00-11.10	Influence of body awareness and motor imagery on brain activity and pain in chronic nonspecific low back pain (Nuria Maria Garcia Dopico, University of Balearic Islands)	Fibre-selective recording from peripheral nerves of pigs (Felipe Rettore Andreis, AAU)	The effect of Modulated TENS patterns on corticospinal pathway activity (Armita Faghani Jadidi, AAU)	Cognitive modulation of spinal nociception assessed via the nociceptive withdrawal reflex (Mauricio Henrich, AAU)
11.10-11.20		Long Term Potentiation: A porcine pain model (Taha Janjua, AAU)	Sensory Perception and Cortical Response Following TENS	Title tbc (Luisina Gregoret, AAU)

			(Ali Asghar Zarei, AAU)	
11:25	Transitioning from academia to the wide world - what do you need? <i>Conor O'Carroll, Independent Consultant on Research and Higher Education Policy</i>			
11:45	Lunch break and energizer			
13:15	Competences requested by the industry <i>Finn Sonnenborg, Director, Technology Research & Image Processing, AMBU</i>			
13:35	The path from academic research into roles in large pharma <i>Camilla Ståhl, NASH & obesity, Novo Nordisk</i>			
13:55	How to take the best of academia and leave its trouble behind <i>Kristian Hennings, Inventor's Way</i>			
14:15	Break and energiser			
14:30	Panel debate: The most important skills for health science/technology PhDs outside of academia in the future, incl. Q&A session			
15:15	Evaluation and concluding remarks <i>Centre Director, Prof. Thomas Graven-Nielsen, CNAP, Department of Health Science and Technology, Aalborg University</i>			
15:30	Thank you for coming!			