

CNAP Round Table Meeting.
May 16, 2024, 12:30-15:30, SLV 249 #11.00.034

Programme

12.30 Welcome

Thomas Graven-Nielsen

12.35 Introducing PPP- PRE-EXPERIMENT PROTOCOL PRESENTATIONS

Creativity Working Group

12.45 PPP – “Failed attempts to develop an experimental pain model that mimics chronic musculoskeletal pain – any good ideas?”

Kristian Kjær-Staal Petersen

PAIN MODELS – ROUND TABLE

13.10 A Brief Introduction to Human Experimental Pain Models

Bruno Andry Nascimento Cuoto, Brian Duborg Ebbesen, Laura De Herde, Ryusuke Tanaka, Michelle Bonvini

- [Experimental Human Pain Models: A Review of Standardised Methods for Preclinical Testing of Analgesics](#)
- [Human Experimental Pain Models for Assessing the Therapeutic Efficacy of Analgesic Drugs](#)

13.45 Break

13.55 Translational Pain Models: from Rodents to Humans

Felipe Rettore Andreis, Enrico de Martino, Giulia Erica Aliotta, Trine Andresen

- Bostock et. al (1998) Threshold tracking techniques in the study of human peripheral nerve
- Sandkühler (2007) Understanding LTP in pain pathways

14.30 Perception and nociception in experimental pain models

Carolina Ceruti, Rocco Giordano, Dennis Boye Larsen, Samantha Millard

15.05 Coffee and Cake

15.30 Thank you for today!

Invitation to CNAP Round Table Meeting

“PAIN MODELS”. 16 May 2024, 12:30-15:30

We hereby invite you to CNAP Round Table Meeting version 2.0. In this Round Table meeting you are invited to discuss the topic of “**PAIN MODELS**”.

We are furthermore introducing a new theme: **PPP- PRE-EXPERIMENT PROTOCOL PRESENTATIONS** to facilitate more interdisciplinary collaboration and knowledge sharing at CNAP – see more below

PPP- PRE-EXPERIMENT PROTOCOL PRESENTATIONS

Before starting a new experiment/project you are encouraged to present it to the CNAP groups for feedback and advice. Time is allocated for this at every Round Table meeting.

A short outline of the PPP project is presented to CNAP researchers at the Round Table meeting. The project owner is asked to shortly present the project idea at the meeting with the objective to debate and discuss the idea across RIGs. This will provide the project owner with valuable insight and smoothen the process to set up an experiment from protocol writing to the laboratory.

If you have a PPP that you would like to discuss, please bring this to the Round Table meeting and present a 5 minute pitch in which you introduce the PPP and potential dilemmas/questions.

ROUND TABLE TOPIC: PAIN MODELS

Experimental models are key in the study of pain, however the ability to translate findings to real life chronic pain conditions is up for discussion. The lack of translation is likely an important factor explaining why many new clinical drug trials fail. An example: we use the partial ligation model in animals - is that really a good model of neuropathic pain? Is experimental muscle pain for hours and days in humans a good model for chronic musculoskeletal pain? Can computational neural models help understanding physiological nociception?

Due to the importance for all our studies, we address the pain model challenge in a Round Table meeting for the second time. For colleagues having less experience with pain models (human or animal) we would like to hear presentations or demonstrations of what is actually needed of a good/relevant/useful pain model. For those having experience using pain models, we would like to see examples of good state-of-the-art pain models and hear why you find them particularly relevant and or why not. Experienced users may also moderate a more in-depth discussion on the pitfalls of specific pain models – asking the right questions needed to moderate the discussions.

The main outcome of our discussions should be improved knowledge of pain models and the readiness to argue the relevance of the models you use.

Depending on your level of scientific experience, please sign up for one of the two groups:

1. Experience with pain models/concepts/constructs (you have used in your research):

The main purpose is to **bring in your own experience and to present the methodology**. Please consider one of the following approaches or feel free to choose an alternative method. Remember to include time for questions and discussion:

- Presentation or reflection of pain models, study design and/or an innovative approach to address the specific topic.
- Moderation of a more in-depth discussion on the pitfalls – here the task is to forward the right questions to spark discussion and reflections.
- Hands-on demonstration/video of your own research: presentation of a technique or methodological set up in your lab that could be used to tackle the challenge.
- Workshop: where it is possible to dynamically brainstorm about new possibilities for utilizing alternative pain models.

2. Not having experience with pain models/concepts/constructs (you have not previously used it in your research):

Of specific interest is to learn more about the topic, utilising a user-oriented approach towards pain models.

Please consider one of the following approaches or feel free to choose an alternative method. Remember to include time for questions and discussion:

- Presentation and discussion of a Classical Paper related to this topic.
- Presentation of a current paper: a new state of the art study settling the topic