



University
of Basel

Department of
Biomedical Engineering



Selected research topics in Biomedical Engineering:

Quantifying Placebo Effects: Problems and Limitations

Location: University Campus Basel, Kollegienhaus, Seminarraum 103

Date & Time: Tuesday 14.03.2023 10:15 – 12:00

Novel approaches to investigate brain-behavioral mechanisms of placebo effects & social modulation of pain

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Abstract

Psychological factors such as expectations and social interactions can dramatically influence symptoms such as pain, which is especially relevant in the context of patient-clinician interactions. Recent work has begun to identify brain-behavioral mechanisms of how these processes may work. This seminar will discuss the state-of-the-art research on brain-behavioral mechanisms of expectancy-driven placebo effects and new research using interactive two-person designs to probe the social processes underpinning patient-clinician interaction.

Curriculum

Dr. Dan-Mikael Ellingsen has a background in psychology and cognitive neuroscience and heads a research group in Oslo, Norway, that uses a multimodal approach to understand how expectations and social interactions shape acute and chronic pain. He will present recent work investigating the psychological, social, and brain processes underpinning placebo effects and patient-clinician interactions in pain treatment. Dan-Mikael is currently associate professor of Psychology (Kristiania University College) and senior researcher (Oslo University Hospital).