



Marie Skłodowska-Curie Innovative Training Networks Horizon 2020
Grant Agreement Number: 764860



Targeting neuroinflammation to combat pathological pain
in neurodegenerative diseases and chronic pain syndromes

Final Conference 26 - 27 January 2022

Virtual event hosted by

Hans-Georg Schaible, University Hospital Jena,
Institute Physiology / Neurophysiology

Day 1 January 26, 2022

- 10.00 CET Welcome by Marzia Malcangio, King's College London (KCL), Consortium Coordinator and Hans-Georg Schaible, University Hospital Jena (UKJ)
- 10.15 **WP1 - Neuroimmune interactions and pain in neurodegenerative conditions**
Chair: Marzia Malcangio (KCL)
- 10.15 ESR 1: George Sideris Lampretsas (KCL)
Neuroinflammation and pain in Alzheimer's disease
- 10.45 ESR 2: Joana Lama (KCL)
Neuroinflammation and pain in Parkinson's disease
- 11.15 ESR 8: Fátima Gimeno Ferrer, University Hospital Jena, Germany (UKJ)
Impact of neuroinflammation and neurodegeneration on brain and spinal cord homeostasis: relevance to nociception
- 11.45 ESR 12: Rita Silva (KCL) Neuroinflammation and CNS hyperexcitability in chronic pain and neurodegeneration mice models
- 12.15 Lunch



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- 13.15 **Invited speaker:** Thomas Graven-Nielsen, Aalborg University, Denmark
Facilitated pain mechanisms in experimental and clinical musculoskeletal pain conditions
- 14.00 Break
- 14.15 **Invited speaker:** Ralf Baron, University of Kiel, Germany
Painful neuropathy: patient stratification by symptom and sensory profiling
- 15.00 Break
- 15.15 **WP2 - Neuroimmune interactions and pain in rheumatic diseases**
Chair: Camilla Svensson, Karolinska Institutet, Sweden, (KI)
- 15.15 ESR 3: Silvia Fanton (KI) A multimodal neuroimaging investigation of pain processing mechanisms in fibromyalgia and rheumatoid arthritis
- 15.45 ESR 4: Joana Menezes (KI)
Role of brain and spinal cord micro(glia), TSPO and IL-8 in arthritis associated pain

Day 2 January 27, 2022

- 10.00 CET ESR 5: Zerina Kurtovic (Kancera, Sweden)
Role of microglia and macrophages and the CX3CL1-CX3CR1 pathway in arthritis-induced pain
- 10.30 ESR 7: Anutosh Roy (UKJ)
Mechanisms of spinal neuroinflammation and hyperexcitability in models of joint inflammation
- 11.00 Break
- 11.15 **Invited speaker:** Patrik Ernfors, Karolinska Institutet, Stockholm, Sweden
Transduction of light touch and mechanical pain by Sensory Schwann cells
- 12.00 Break



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- 12.15 **Invited speaker:** Daniel H Kaplan, University of Pittsburgh, PA, USA
Peripheral neurons modulate cutaneous inflammation
- 13.00 Lunch
- 14.00 **WP3 - Neuroimmune interactions and pain in peripheral neuropathies**
Chair: Michaela Kress, Medizinische Universität Innsbruck, Austria (MUI)
- 14.00 ESR 6: Jeiny Luna-Choconta (MUI)
Neuroinflammation and pain in a mouse model for Fabry disease
- 14.30 ESR 9: Patricia Garcia Fernandez (Universitätsklinikum Würzburg, Germany, UKW)
Neuroinflammation in pain and nerve degeneration and regeneration in peripheral neuropathies
- 15.00 ESR 10: Cristiana Dumbraveanu (Bionorica, Austria)
Assessment of medical marijuana bioactive substances in a mouse model of neuropathic pain
- 15.30 Break
- 15.45 Final discussion



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