interdisziplinäres Zentrum für Klinische Forschung

Clinician Scientist Programme - Biosketch Module Step 1

Title/ First Name/ Last Name

Dr. med. Miriam Düll

Clinic

Department of Medicine 1

CV (Current position, academic career, achievements and extracurricular activities, languages)

Current position:
Resident at the Department of Medicine 1, University Hospital Erlangen
Academic career:
- 09/2020: Medical doctoral thesis, summa cum laude (title: Methylglyoxal causes pain and hyperalgesia in human through C-fiber activation)
- 01/2021-12/2021: IZKF laboratory rotation programme

Achievements:
- 2021: Doctoral Award of the Staedtler Foundation
- 2021: 2nd prize "Nachwuchsförderpreis Schmerz"
- 2020-2022: Member of the Young Investigator Council of the International Forum for the Study of Itch (IFSI)
- 2019: Presentation Award "Top Young Science" (German Pain Society)
- 2016-2019: Travel Awards from the International Forum for the Study of Itch (IFSI), European Association for The Study of Diabetes (EASD), German Diabetes Society (DDG) and German Society for Internal Medicine (DGIM)

Research Area

Neurosciences

Neuropathic pain and chronic pruritu

CSP Project Outline

Systemic diseases commonly entail concomitant symptoms such as pruritus and pain. The pathophysiological mechanisms have not been unravelled so far. For hepatic pruritus, the autotaxin-lysophosphatidic acid-axis (ATX-LPA-axis) was however discovered as a relevant signaling cascade in cell- and rodent-based models.
This project focuses on LPA-induced effects and signaling pathways neurophysiologically in humans and on a non-neuronal basis in cellular models.

Most important/ first Publication (or Title Dissertation)

Düll MM, Riegel K, Tappenbeck J, Ries V, Strupf M, Fleming T, Sauer SK, Namer B. Methylglyoxal causes pain and hyperalgesia in human through C-fiber activation. Pain. 2019 Nov;160(11):2497-2507.