



23rd November 2021, Berlin

Microdialysis Students' Day – dedicated to Prof. Dr. Hartmut Derendorf

Venue

<https://fu-berlin.webex.com/fu-berlin-en/j.php?MTID=m3a88b75403696a7af59026b67e7d9d8c>

Meeting number (access code): 121 560 8614

Meeting password: PNmK9Z7VNE2

Agenda (all times in CET)

15:00 **Official welcome and start of the Microdialysis Students' Day'**

15:05 **In memoriam Hartmut Derendorf – William Couet**

15:30 **From *in vitro* to preclinical microdialysis (15 min + 5 min discussion)**

Chairs: Liesbeth De Lange and Julie Stenken

Julia Benzel and Julia Sundheimer. *Brain disposition of actinomycin D assessed by cerebral microdialysis and tissue homogenates*

Chisomo Zimphango. *Continuous tracking of metabolic temporal changes in traumatically injured brain using a microdialysis-coupled mid-infrared sensor*

Ulrika Julku. *Brain pharmacokinetics of amyloid-beta targeting bispecific antibody in mouse model of Alzheimer's disease*

16:30 **Coffee/Tea Break**

16:40 **From preclinical to clinical microdialysis (15 min + 5 min discussion)**

Chairs: Teresa Dalla Costa and Dennis Bashaw

Frida Bällgren. *Oxycodone active uptake is also present at the blood-cerebrospinal fluid barrier*

Bruna Bernar Dias. *Tobramycin population pharmacokinetic model in Pseudomonas aeruginosa biofilm-forming acute lung infection in rodents*

Miriam Moser. *Ongoing Clinical Trial: Cerebral pharmacokinetic and -dynamics of nimodipine in patients suffering severe subarachnoid haemorrhage*



17:40 **Coffee/Tea Break**

17:50 **From clinical to *in silico* microdialysis (15 min + 5 min discussion)**

Chairs: Philipp Simon and Markus Zeitlinger

Davide Bindellini. *Characterisation of plasma and target-site cefazolin pharmacokinetics and protein binding in obese and nonobese patients*

Maria Sanz Codinaa. *Host factors predicting target site concentration of antibiotics in critically ill patients*

David Busse. *Which analysis approach is adequate to leverage clinical microdialysis data? A quantitative comparison to investigate exposure and response exemplified by levofloxacin*

18:50 **Closing, announcement of the Hartmut Derendorf Microdialysis Award and good bye - Charlotte Kloft and Robin Michelet**