

NeuroPharm Annual Meeting 2021
Wednesday, June 2, 2021



Innovation Fund Denmark

The meeting will be held as a hybrid event. If possible, please join physically at the venue.

Venue: **Comwell Borupgaard, Snekkersten**

Online: <https://us02web.zoom.us/j/89702744126?pwd=ZGkzeEhVdHNzQm5CUmJQSUx4VGZFdz09>

Program

09:00	-	09:20	Welcome and Introduction to the meeting	Gitte Moos Knudsen
09:20	-	09:55	NP3: Novel neuroimaging methods for an experimental medicine approach <i>Chair: Gitte Moos Knudsen</i> 1. Presynaptic serotonergic deficit in Parkinson patients: A DBS-STN PET study (15 min) 2. Ultrafast functional imaging: Effects of sleep & adrenergic inhibition - the NRU sleep project (15 min)	1. Louise M. Jørgensen 2. Sara M. Larsen & Anders S. Olsen
09:55	-	10:10	NP3: Discussions	
10:10	-	10:50	NP1: Treatment outcome in Major Depressive Disorder (MDD) <i>Chair: Vibe Frøkjær</i> 1. Status and publication plan (5 min) 2. NeuroPharm Study: EEG wakefulness regulation as a biomarker in MDD (15 min) 3. Anxiety and 5HT4R in MDD and antidepressant treatment response (15 min)	1. Vibe Frøkjær 2. Cheng Teng-lp 3. Martin B. Jørgensen
10:50	-	11:00	NP1: Discussions	
11:00	-	11:30	Coffee break	
11:30	-	12:45	NP1: Treatment outcome in Major Depressive Disorder (MDD) <i>Chair: Vibe Frøkjær</i> 4. Is treatment response to SSRIs in MDD women modified by simultaneous use of OC? (15 min) 5. Systemic DNA/RNA damage from oxidation is reduced after pharmacological treatment (15 min) 6. Associations between cortisol dynamics and 5HT4R binding in MDD vs healthy controls (15 min) 7. Resting-state brain turbulence in major depressive disorder vs healthy controls (15 min)	4. Søren V. Larsen 5. Anders Jørgensen 6. Vibe Frøkjær 7. Gustavo Deco
12:45	-	13:00	NP1: Discussions	
13:00	-	14:00	Lunch	
14:00	-	15:10	NP2: 5-HT2AR modulation effects on neurobiology, cognition and mood <i>Chair: Patrick Fisher</i> 1. NP2 intro, update and future projects (15 min) 2. Psilocybin effects on emotional response to music (10 min) 3. Lasting effects of psilocybin on resting-state connectivity (10 min) 4. Psilocybin effects on synaptic plasticity with [11C]UCB-J PET (10 min) 5. Acute psilocybin effects on dynamic functional connectivity (10 min)	1. Patrick Fisher 2. Dea Stenbæk 3. Drummond McCulloch 4. Annette Johansen 5. Anders S. Olsen
15:10	-	15:25	NP2: Discussions	
15:25	-	15:40	Group photo	Peter Steen Jensen
15:40	-	16:00	Coffee break	
16:00	-	16:55	NP4: Bioinformatics, statistical and predictive models <i>Chair: Brice Ozenne</i> 1. Status of WP4 (10 min) 2. Bimodal approach (EEG/PET) of treatment response as biomarker for MDD (15 min) 3. Blood-brain barrier permeability of beta-blockers and risk of Alzheimer's disease (20 min)	1. Brice Ozenne 2. Cheng Teng-lp 3. Brice Ozenne & Emily Beaman
16:55	-	17:05	NP4: Discussions	
17:05	-	17:15	Wrap-up	Gitte Moos Knudsen
18:30	-	21:30	Dinner at venue for NeuroPharm participants and BrainDrugs ECF Forum Social gathering for BrainDrugs ECF forum	

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List of participants at the venue

Anders Stevnhoved Olsen, NRU-Rigshospitalet
Anna Søndergaard, NRU-Rigshospitalet
Annette Johansen, NRU-Rigshospitalet
Annika Læbo Rasmussen, NRU-Rigshospitalet
Brice Ozenne, NRU-Rigshospitalet & University of Copenhagen
Cheng Teng Ip, NRU-Rigshospitalet
Cyril Pernet, NRU-Rigshospitalet
Dea Stenbæk, NRU-Rigshospitalet & University of Copenhagen
Drummond McCulloch, NRU-Rigshospitalet
Elisabeth Buck Pedersen, NRU-Rigshospitalet
Ella Hedeboe, NRU-Rigshospitalet
Emily Beaman, NRU-Rigshospitalet
Gitte Moos Knudsen, NRU-Rigshospitalet
Ida Ivek, NRU-Rigshospitalet
Jens D. Mikkelsen, NRU-Rigshospitalet & University of Copenhagen
Kristian Reveles Jensen, NRU-Rigshospitalet & Psychiatric Centre CPH
Lars Pinborg, NRU-Rigshospitalet
Lone Freyr, NRU-Rigshospitalet
Maria Grzywacz, NRU-Rigshospitalet
Martin Balslev Jørgensen, Psychiatric Centre CPH
Martin Nørgaard, NRU-Rigshospitalet
Melanie Ganz-Benaminsen, NRU-Rigshospitalet & University of Copenhagen
Mette Clausen, NRU-Rigshospitalet
Mikael Palner, NRU-Rigshospitalet
Nakul Raval, NRU-Rigshospitalet
Olaf Paulson, NRU-Rigshospitalet
Patrick Fisher, NRU-Rigshospitalet
Peter Steen Jensen, NRU-Rigshospitalet
Sara Marie Ulv Larsen, NRU-Rigshospitalet
Sophia Armand, NRU-Rigshospitalet
Stinne Høgh, NRU-Rigshospitalet
Søren V. Larsen, NRU-Rigshospitalet
Vibe Frøkjær, NRU-Rigshospitalet
Vibeke Naja Høyrup Dam, NRU-Rigshospitalet
Vincent Beliveau, Medical University of Innsbruck & NRU-Rigshospitalet
William Dalseg Reith, NRU-Rigshospitalet