

# RCN Conference 2018

31 May - 1 June

Mental Health and Addiction  
Norwegian Research Opportunities



**NORMENT**  
Norwegian Centre for  
Mental Disorders Research

**DigiBrain:**

From genes to brain function in health and disease

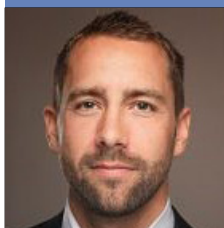
**Seraf**

Norwegian Centre for Addiction Research

## Thursday 31 May

8.30 - 9.00	<b>Registration and coffee</b>	
9.00 - 9.15	<b>Opening talk by Guest speaker Fabian Stang</b>	
9.15 - 9.45	<b>Plenum 1:</b> Development of a national health analysis platform and future use of health registry data for research. By Alexander Gray	
9.45 - 10.15	<b>Symposium 1:</b> Future research tools: E-Health and App technology	
10.15 - 10.30	<b>Break</b>	
10.30 - 11.45	<b>Symposium 1 continues:</b> Future research tools: E-health and App technology (Norwegian)	
11.45 - 12.15	<b>Plenum 2:</b> Nordic opportunities in registries, cohorts and biobanks - time for action By Marte Handal	
12.15 - 13.15	<b>Lunch</b>	
13.15 - 14.45	<b>Symposium 2:</b> Facilitating mental health research in Nordic registries	<b>Symposium 3:</b> Nordic registries: Prisoning and postrelease mortality
14.45 - 15.00	<b>Break</b>	
15.00 - 15.30	<b>Plenum 3:</b> DigiBrain - Biophysical psychiatry - can computers model thoughts and emotion? By Gaute Einevoll	
15.45 - 17.15	<b>Symposium 4:</b> The ERA-NET project SYNSCHIZ: Linking synaptic dysfunction to disease mechanisms in schizophrenia (Co sponsor DigiBrain)	<b>Symposium 5:</b> Registry based research on mother and child with drug exposure during pregnancy
17.15 - 18.00	<b>Break and Apéritif in the hotel bar</b>	<b>Possibility for meetings</b>
18.00	<b>Dinner</b>	

## Plenum speakers Thursday



**Alexander Edward Gray** leads the Health Computer Program at the Directorate for E-Health.

He has been working on digitalization and technology for the past 18 years and has spent the last six years working on e-health.

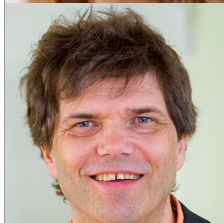
His special field is in technology architecture, strategy, change management and digitalization. Alexander is Director of Business Technology at PwC Consulting Oslo.



**Marte Handal MD**, is a Specialist in clinical pharmacology; PhD.

She works at the Norwegian Institute of Public Health in Oslo.

Current research projects include "The effect and adverse events of long-term treatment with antipsychotics" and "Foreldres alkoholkonsum og negative langtidskonsekvenser hos deres barn".






**Gaute Einevoll** (professor of physics at NMBU, Ås and UiO, Oslo) has around 20-years experience in the field of computational neuroscience, in particular on modelling of neurons and neural networks as well as electrical brain signals such as EEG.

In DigiBrain he has a particular responsibility in supervising the projects involving physics-type modelling of effects of genetic variation.

## Friday 1 June

9.00 - 9.30	<b>Plenum 4:</b> Consequences of long-term prescription of opioids in chronic pain By Per Sjøgren	
9.30 - 9.45	<b>Break</b>	
9.45 - 11.15	<b>Symposium 6:</b> How to facilitate Norwegian clinical research in mental health?	<b>Symposium 7:</b> Prescription opioids: Pain management and risk for addiction
11.15 - 11.30	<b>Break</b>	
11.30 - 12.00	<b>Plenum 5:</b> The Genetics of Schizophrenia and Treatment Resistance By James Walters	
12.00 - 12.45	<b>Lunch</b>	
12.45 - 14.15	<b>Symposium 8:</b> Longitudinal studies in psychosis - Outcome, prediction and stratification	<b>Network meetings</b>
14.15 - 14.30	<b>Break</b>	
14.30 - 15.00	<b>Plenum 6:</b> Enigma - How can large scale brain imaging reveal insight into mental illness? Update from the ENIGMA project By Paul Thompson	
15.00 - 15.30	<b>Break</b>	
15.30 - 17.00	<b>Symposium 9:</b> ENIGMA Workshop - ongoing projects, plans and practicalities	

## Plenum speakers Friday

	<p><b>Per Sjøgren</b> is professor at the Department of Clinical Medicine, University of Copenhagen.</p> <p>He is the author and co-author of about hundred and seventy peer-reviewed articles and books/book chapters in palliative medicine and pain management.</p> <p>He is Vice-president of European Association for Palliative Care (EAPC). Co-founder, past-president and currently member of The Danish Association of Palliative Medicine.</p>
	<p><b>Dr. James Walters</b> is the Deputy Director of the National Centre for Mental Health at Cardiff University and an honorary consultant psychiatrist with the Aneurin Bevan University Health Board Early Intervention in Psychosis Service.</p> <p>He is the co-lead of the Undergraduate Psychiatry Team for the C21 Medical Undergraduate Curriculum.</p>
	<p><b>Professor Paul M. Thompson</b> directs the ENIGMA Consortium, a global alliance of 307 scientists in 33 countries who conduct the largest studies of 10 major brain diseases.</p> <p>He is a professor of Ophthalmology, Neurology, Psychiatry, Radiology, Pediatrics, and Biomedical Engineering and Associate Director at USC University of Southern California, Institute for Neuro-imaging and Informatics.</p>

# Symposiums

## Symposium 1: Future research tools: E-Health and App technology - Chair: Thomas Bjella

- **Loek Vanderberg:** IBM Watson for research use
- TSD - Solutions for secure data capture and storage
- NORMENT - presentasjon av forskningsappen "MinDag" (presented in Norwegian)
- NORMENT - presentasjon av intervensjonsappen "IVoice" (presented in Norwegian)
- SERAF - presentasjon av intervensjonsappen "Endre" (presented in Norwegian)

## Symposium 2: Facilitating mental health research in Nordic registries - Chair: Martin Tesli

### LOCATION: EXPO3

- **Lu Yi:** Overview on the trygge2 project, including status in Sweden
- **Ted Reichborn-Kjennerud:** Status from Norway (MoBa and registries)
- **Hreinn Stefansson:** Update Iceland
- **Shantel Weinsheimer:** Update Denmark - via Skype
- **Ole Kristian Drange:** Update HUNT
- Discussion on progress plan for trygge2

## Symposium 4: The ERA-NET project SYNSCHIZ: Linking synaptic dysfunction to disease mechanisms in schizophrenia (Co sponsor DigiBrain) - Chair: Tobias Kaufmann

- **Ole Andreassen** (NORMENT)
- **Marcella Rietschel** (Central Institute of Mental Health)
- **Marja-Leena Linne** (Tampere University of Technology)
- **Dirk Schubert** (Donders Institute)
- **Stefan Borgwardt** (University of Basel)
- **Magdalena Efrim-Budisteanu** (Prof. Dr. Alex. Obregia Clinical Hospital of Psychiatry)
- Discussion round

## Symposium 6: How to facilitate Norwegian clinical research in mental health? - Chair: Erik Johnsen

- **Gunnar Morken:** Opportunities in the collaboration between the university hospital and the university?
- **Gerd Kvale:** The Bergen 4-Day Treatment: From highly efficient clinic to basic research
- **Erik Johnsen:** Independent clinical pharma studies in psychosis - some examples.

## Symposium 8: Longitudinal studies in psychosis - Outcome, prediction and stratification - Chair: Ingrid Melle

- **James Walters** (Cardiff University)
- **Ingrid Melle** (NORMENT)
- Discussion round

## Symposium 3: Nordic registries: Prisoning and postrelease mortality - Chair: Anne Bukten

### LOCATION: INSPIRASJONSROMMET

- **Christian Tjagvad:** Prisoning and post-release mortality in Denmark; data availability and opportunities.
- **Anne Bukten:** High risk of overdose death following release from prison.
- **Zheng Chang:** What happened after prison release: register-based studies on reoffending and health outcomes
- **Kristin Klemmetsby Solli:** Efficacy and tolerability of long acting naltrexone in treatment of opioid dependent individuals: Outcome from two recent clinical studies

## Symposium 5: Registry based research on mother and child with drug exposure during pregnancy - Chair: Marte Handal

- **Helle Kieler:** Nordic registers are important sources for evaluation of psychiatric drug treatment during pregnancy, but only if we collaborate.
- **Mette Nørgaard:** Estimating the proportion of all observed birth defects occurring in pregnancies terminated by a second-trimester abortion.
- **Angela Lupatelli:** Learning the time-dependent effects of psychotropic drug exposure in pregnancy: findings from the Norwegian Mother and Child Cohort Study
- **Randi Selmer:** Individual-based versus aggregate meta-analysis in multi-database studies of pregnancy outcomes: the Nordic example of selective serotonin reuptake inhibitors and venlafaxine in pregnancy
- **Mette Nørgaard:** Use of selective serotonin reuptake inhibitors and lifestyle among women of childbearing age: a Danish cross-sectional survey

## Symposium 7: Prescription opioids: Pain management and risk for addiction: Opportunities for Nordic collaborative projects Chair: Thomas Clausen

- **Christian Tjagvad:** Prescription opioids in Denmark; data availability and opportunities for Nordic collaborations
- **Kaarlo Simojoki:** Prescription opioids in Finland; data availability and opportunities for Nordic collaborations
- **Svetlana Skurtveit:** Changes in use of prescriptions opioids in Norway; Norwegian prescription database
- **Audun Stubhaug:** "Clinical challenges in the use of opioids"

## Symposium 9: ENIGMA Workshop – ongoing projects, plans and practicalities - Chair: Chris Ching

- **Chris Ching:** Bipolar Disorder, 22q11.d, shape.
- **Agnes McMahon:** Technical aspects (home page, information and dissemination).
- Which ENIGMA projects are NORMENT participating in.
- **Tiril Gurholt:** Startup of ENIGMA-EOP and preliminary results.
- **Ida Sønderby:** ENIGMA-CNV and some findings.
- Discussion round