



UMC Utrecht
Brain Center Rudolf Magnus

Invitation

An immunological viewpoint on psychotic disorders

Date: Thursday, May 11th, 2017

Time: 09.30 - 15.30 hrs

Venue: Auditorium, Q01.226, University Medical Centre Utrecht

The pathogenesis of psychotic disorders is still far from elucidated; different lines of evidence now suggest that low grade inflammation in the central nervous system is involved.

These include altered risks for specific auto-immune diseases as reflected by abnormal levels of cytokines and the presence of auto-antibodies in serum and cerebrospinal fluid, decreased prevalence of psychotic disorders in men who have used NSAIDs, observed associations between psychotic disorders and pre- and perinatal infections as well as by seroconversion to certain pathogens in patients with psychotic disorders. On a cellular level, inflammation of the central nervous system in patients with psychotic disorders is suggested by an increased number of activated immune-cells (i.e. microglia, astrocytes), who, through their state-dependent increased production of free radicals, pro-inflammatory components and other neurotoxic substances, can cause cell death in their proximity.

This might result in increased gray matter loss and consequently contribution to more severe negative and cognitive symptoms. Other support comes from genetic studies with a deviation in the major histocompatibility complex in patients with psychotic disorders.

In this symposium we provide an overview of current basic research as well as an update of clinical studies concerning this subject."



Program iMMUNE-symposium

- 09.30 – 10.00 **Registration, coffee/tea**
- 10.00 – 10.15 **Welcome & Introduction**
Prof.dr. I. Sommer, psychiatrist UMC Utrecht (Chair)
- 10.15 – 10.45 **Microglia & psychosis**
Dr. L. de Witte, psychiatrist UMC Utrecht
- 10.45 – 11.15 **Chronic inflammation and psychiatric symptoms**
Prof. dr. J.D. Laman UMC Groningen
- 11.15 – 11.45 **Break**
- 11.45 – 12.15 **Astrocyte-synapse interactions in psychosis**
Prof. dr. E.M. Hol UMC Utrecht
- 12.15 – 12.45 **Phenomenology of auto-immunencephalitis**
Dr. M.J. Titulaer, neurologist EMC Rotterdam
- 12.45 – 13.30 **Lunchbreak**
- 13.30 – 14.00 **Natalizumab for psychotic disorders**
Dr. T. Reis Marques, psychiatrist King's College, London UK
- 14.00 – 14.20 **Proceedings of the Dutch-Belgian-Norwegian Prednisolon Study**
S.E. Kromhout, resident psychiatry UMC Utrecht / EMC Rotterdam
- 14.20 – 14.45 **The Simvastatine study, 100 inclusions!!**
M. Begemann, Phd-student UMC Utrecht
- 14.45 – 15.00 **Discussion & Closure**
Prof. dr. I. Sommer
- 15.00 – 15.30 **Drinks & snacks**

You are cordially invited to this symposium, which will take place on Thursday May 11th 2017 in the "Auditorium" (Qo1.226) of the University Medical Centre Utrecht, Heidelberglaan 100. A request for accreditation has been submitted at the Dutch Society for Psychiatry (NVvP). Registration is possible until April 27th through sending an email to s.e.kraus@umcutrecht.nl ; entrance fee can be paid at NL69RABO0143774735 t.a.v. UMCU, symposium iMMUNE, Projectnr. R2811.

Program iMMUNE-symposium 11 mei 2017

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Costs: Psychiatrists: € 50,- , Psychiatrists-trainees: € 30,-

Organisation: Brain Center Rudolf Magnus, division Psychiatry iMMUNE
Study-group.

Accreditation: NVvP, submitted



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