

## University of Groningen

### Viral neuroinvasion

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*Document Version*

Publisher's PDF, also known as Version of record

*Publication date:*

2014

[Link to publication in University of Groningen/UMCG research database](#)

*Citation for published version (APA):*

Sips, G. (2014). *Viral neuroinvasion: causes, mechanisms and potential consequences*. s.n.

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# **Viral Neuroinvasion**

## **Causes, Mechanisms and Potential Consequences**

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Gregorius Johannes Sips

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The work described in this thesis was conducted at the University Medical Center Groningen, Mount Sinai Medical Center and Mount Sinai School of Medicine (New York, NY, USA), and the Johns Hopkins Bloomberg School of Public Health and Johns Hopkins University School of Medicine (Baltimore, MD, USA).

The work was supported by the Junior Scientific Masterclass, the Graduate School of Medical Sciences, the Research School of Behavioural and Cognitive Neurosciences, and the Groningen University Institute for Drug Exploration of the University of Groningen and the University Medical Center Groningen. It was also supported by the Marco Polo Fund, the Groningen University Fund, and the Jan Kornelis de Cock Foundation

The printing of this thesis was supported by the University of Groningen, Graduate School of Medical Sciences of the University of Groningen and University Medical Center Groningen, GlaxoSmithKline, Mymetics BV, Sanofi Pasteur MSD, and Teva Nederland BV.



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Artwork on the cover and preceding the thesis sections: Marijke Jansen,  
[www.marijkejansenphotoart.nl](http://www.marijkejansenphotoart.nl)

Lay-out: Ton van der Marck,  
[www.tonvdmarck.nl](http://www.tonvdmarck.nl)

Printed by: NetzoDruk Groningen B.V.

ISBN: 978-90-367-7094-1 (printed version)  
978-90-367-7093-4 (electronic version)

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# **Viral neuroinvasion**

Causes, mechanisms and potential consequences

## **Proefschrift**

ter verkrijging van de graad van doctor aan de  
Rijksuniversiteit Groningen  
op gezag van de  
rector magnificus prof. dr. E. Sterken  
en volgens besluit van het College voor Promoties.

De openbare verdediging zal plaatsvinden op

woensdag 2 juli 2014 om 14.30 uur

door

**Gregorius Johannes Sips**

geboren op 30 december 1981  
te Rotterdam

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Prof. dr. A.D.M.E. Osterhaus

## **Paranimfen**

Robert-Jan Sips

Júlia Maria da Silva Voorham

## **DE WATERLELIE**

Ik heb de witte water-lelie lief,  
daar die zoo blank is en zoo stil haar kroon  
uitplooit in 't licht.

Rijzend uit donker-koelen vijvergrond,  
heeft zij het licht gevonden en ontsloot  
toen blij het gouden hart.

Nu rust zij peinzend op het watervlak  
En wenscht niet meer...

### ***Frederik van Eeden***

*Uit: Van de Passielooze Lelie.  
Verzen door Frederik van Eeden,  
waarbij zijn opgenomen de  
"Enkele Verzen".*

*Amsterdam, W. Versluys, 1901*

*To my family and friends*





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