Prediction of spatial-temporal brain drug distribution with a novel mathematical model

Vendel, E.

Prediction of spatial-temporal brain drug distribution with a novel mathematical model

Esmée Vendel

ISBN: 978-94-028-1795-9

Omslagontwerp: Remco Wetzels
Printed by Ipskamp printing

Prediction of spatial-temporal brain drug distribution with a novel mathematical model

Proefschrift

ter verkrijging van
de graad van Doctor aan de Universiteit Leiden,
op gezag van Rector Magnificus prof. mr. C.J.J.M. Stolker,
volgens besluit van het College voor Promoties
te verdedigen op dinsdag 17 december 2019
klokke 13:45 uur

door

Esmée Vendel
geboren te Haarlem
in 1991

Promotores:	Prof. dr. Roeland M.H. Merks	
	Prof. dr. Elizabeth C.M. de Lange	
Copromotor:	Dr. Vivi Rottschäfer	
Promotiecommissie:	Prof. dr. Aad W. van der Vaart	(Voorzitter)
	Prof. dr. Arjen Doelman	(Secretaris)
Overige commissieleden:	Prof. dr. Gianne Derks	(University of Surrey)
	Prof. dr. Charles Nicholson	(New York University School of Medicine)

This research has been carried out at the Mathematical Institute of Leiden University in the Analysis and Dynamical Systems group in collaboration with the Systems Biomedicine and Pharmacology group at Leiden Academic Centre of Drug Research and with ties to the Scientific Computing group at Centrum Wiskunde & Informatica (CWI).

Contents