



Universiteit
Leiden
The Netherlands

Immune regulation by receptors for IgG

Boross, P.

Citation

Boross, P. (2009, June 4). *Immune regulation by receptors for IgG*.
Gildeprint, Enschede. Retrieved from <https://hdl.handle.net/1887/13824>

Version: Corrected Publisher's Version

License: [Licence agreement concerning inclusion of doctoral thesis in the Institutional Repository of the University of Leiden](#)

Downloaded from: <https://hdl.handle.net/1887/13824>

Note: To cite this publication please use the final published version (if applicable).

Immune regulation by receptors for IgG

PROEFSCHRIFT

ter verkrijging van
de graad van Doctor aan de Universiteit Leiden,
op gezag van Rector Magnificus prof.mr. P.F. van der Heijden,
volgens besluit van het College voor Promoties
te verdedigen op donderdag 4 juni 2009
klokke 16.15 uur

door
Péter Boross
geboren te Boedapest, Hongarije
in 1977

Promotiecommissie

Promotoren:	Prof. Dr. G.J. van Ommen Prof. Dr. T.W. Huizinga
Co-promotor:	Dr. J.S. Verbeek
Overige leden:	Prof. Dr. M.R. Daha Dr. P.L. van Lent (University Medical Center, Nijmegen) Dr. A. Mócsai (Semmelweis University, Budapest, Hungary)

© Péter Boross, Leiden, The Netherlands

All rights reserved. No part of this thesis may be reproduced or transmitted in any form or by any means, electronic or mechanical, without prior permission of the author.

ISBN: 978-90-9024291-0

Printed by Gildeprint, Enchede.

The research described in this thesis was performed in the Department of Human Genetics, Leiden University Medical Center, the Netherlands.

The printing of this book was financially supported by the J.E. Jurriaanse Stichting, Reumafonds and Greiner-Bio One.

Chapter 2: Copyright of Springer

Chapter 3: Copyright 2008. The American Association of Immunologists, Inc.

Chapter 4: Copyright of John Wiley & Sons, Ltd.

Chapter 5: Copyright of American Society of Investigative Pathology

Contents

<i>Chapter 1</i>	5
Introduction and scope of the thesis	
<i>Chapter 2</i>	23
The complex role of Fc γ receptors in the pathology of arthritis <i>Springer Seminars in Immunopathology, 2006, Dec;28(4):339-50.</i>	
<i>Chapter 3</i>	37
Destructive arthritis in the absence of both Fc γ RI and Fc γ RIII <i>Journal of Immunology, 2008, Apr 1;180(7):5083-91.</i>	
<i>Chapter 4</i>	47
Joint inflammation and chondrocyte death become independent of Fc γ RIII by local overexpression of interferon- γ during immune complex-mediated arthritis <i>Arthritis Rheumatism, 2005, Mar;52(3):967-74.</i>	
<i>Chapter 5</i>	57
The inhibitory receptor Fc γ RII reduces joint inflammation and destruction in experimental immune complex-mediated arthritides not only by inhibition of Fc γ RI/III but also by efficient clearance and endocytosis of immune complexes <i>American Journal of Pathology, 2003, Nov;163(5):1839-48.</i>	
<i>Chapter 6</i>	69
In C57Bl/6 mice Fc γ RIIB deficiency amplifies spontaneous autoimmunity caused by other loci <i>Manuscript in preparation</i>	
<i>Chapter 7</i>	97
Highly B lymphocyte-specific tamoxifen inducible transgene expression of CreER ^{T2} by using the LC-1 locus BAC vector <i>Submitted</i>	
<i>Chapter 8</i>	109
Discussion	
Summary	125
Nederlandse samenvatting	127
Curriculum Vitae	129
List of publications	130

