

# VU Research Portal

## The contribution of ABC transporters to dendritic cell development and function

van de Ven, R.

2009

### **document version**

Publisher's PDF, also known as Version of record

[Link to publication in VU Research Portal](#)

### **citation for published version (APA)**

van de Ven, R. (2009). *The contribution of ABC transporters to dendritic cell development and function*. [PhD-Thesis - Research and graduation internal, S.I.]. s.n.

### **General rights**

Copyright and moral rights for the publications made accessible in the public portal are retained by the authors and/or other copyright owners and it is a condition of accessing publications that users recognise and abide by the legal requirements associated with these rights.

- Users may download and print one copy of any publication from the public portal for the purpose of private study or research.
- You may not further distribute the material or use it for any profit-making activity or commercial gain
- You may freely distribute the URL identifying the publication in the public portal

### **Take down policy**

If you believe that this document breaches copyright please contact us providing details, and we will remove access to the work immediately and investigate your claim.

### **E-mail address:**

[vuresearchportal.ub@vu.nl](mailto:vuresearchportal.ub@vu.nl)



## Thesis outline

### Chapter 1

p9-30

General introduction and scope of the thesis

Partly adapted from:

ABC drug transporters and immunity: novel therapeutic targets in autoimmunity and cancer. (review)  
R. van de Ven, R. Oerlemans, J.W. van der Heijden, G.L. Scheffer, T.D. de Gruijl, G. Jansen and R.J. Scheper.

*Submitted*

### Chapter 2

p31-40

Dendritic cells require Multidrug resistance protein 1 (ABCC1) transporter activity for differentiation.  
R. van de Ven, M.C. de Jong, A.W. Reurs, A.J.N. Schoonderwoerd, G. Jansen, J.H. Hooijberg, G.L. Scheffer, T.D. de Gruijl and R.J. Scheper.

*The Journal of Immunology, 2006, 176: 5191-5198.*

### Chapter 3

p41-56

The Breast Cancer Resistance Protein (BCRP; ABCG2) promotes Langerhans cell differentiation from CD34<sup>+</sup> progenitor cells.

R. van de Ven, J.J. Lindenberg, A.W. Reurs, H. van Crujisen, R.J. Scheper, G.L. Scheffer and T.D. de Gruijl.

*To be submitted*

### Chapter 4

p57-70

Exposure of CD34<sup>+</sup> precursors to cytostatic anthraquinone-derivatives induces rapid Dendritic Cell differentiation.

R. van de Ven, A.W. Reurs, P.G.J.T.B. Wijnands, S. van Wetering, A.M. Kruisbeek, E. Hooijberg, G.L. Scheffer, R.J. Scheper and T.D. de Gruijl.

*Submitted*

### Chapter 5

p71-80

Long-term doxorubicin exposure interferes with the differentiation of Langerhans Cells from CD34<sup>+</sup> precursor cells.

R. van de Ven, A.W. Reurs, H.J. Bontkes, E. Hooijberg, R.J. Scheper, G.L. Scheffer and T.D. de Gruijl.

*Submitted*

### Chapter 6

p81-88

A role for Multidrug Resistance Protein 4 (MRP4; ABCC4) in human Dendritic Cell migration.

R. van de Ven, G.L. Scheffer, A.W. Reurs, J.J. Lindenberg, R. Oerlemans, G. Jansen, J.P. Gillet, J.N. Glasgow, A. Pereboev, D.T. Curiel, R.J. Scheper and T.D. de Gruijl.

*Blood, 2008, 112: 2353-2359.*

**Chapter 7****p89-100**

Unimpaired immune functions in the absence of Mrp4 (Abcc4).

R. van de Ven, J. de Groot, A. W. Reurs, P.G.J.T.B. Wijnands, K. van de Wetering, J.D. Schuetz, T.D. de Gruijl, R.J. Scheper and G.L. Scheffer.

*Submitted*

**Chapter 8****p101-116**

Selective transduction of mature DC in human skin and lymph nodes by CD80/CD86-targeted fiber-modified Adenovirus-5/3

R. van de Ven, J.J. Lindenberg, D. Oosterhoff, M.P. van den Tol, R.A. Rosalia, M. Murakami, M. Everts, G.L. Scheffer, R.J. Scheper, T.D. de Gruijl and D.T. Curiel

*Submitted*

**Chapter 9****p117-128**

Discussion

Adapted from:

The ABC of DC development and function! (review)

R.van de Ven, G.L. Scheffer, R.J. Scheper and T.D. de Gruijl.

*Submitted*

**Chapter 10****p129-138**

Summary

Nederlandse samenvatting (Dutch summary)

**Chapter 11****p139-145**

Curriculum Vitae

Publication list

Dankwoord

