

## PhD Portfolio

Name PhD student	Marloes van Zwam
Erasmus MC Department	Immunology
PhD period	August 2003 – November 2007
Promotor	Prof.dr. J.D. Laman
Copromtor	Dr. L.A. Boven

### PhD training

#### *General academic skills*

Biomedical English Writing and Communication	2004
Ethics and scientific integrity	2006
Management for PhD students and postdocs (NIBI <sup>1</sup> )	2007

#### *Research skills*

Laboratory Animal Science (Article 9)	2001
Basic Radiation Protection 5B	2001
Biomedical Research Techniques (MolMed <sup>2</sup> )	2003
Flow Cytometry: From calibration to application (Nova Knowledge)	2003
<i>In vivo</i> Imaging (MolMed)	2004
Classical methods for data analysis (NIHES <sup>3</sup> )	2005
Practical introduction into laser scanning microscopy (Applied Optical Imaging Centre)	2007

#### *In-depth courses*

Molecular Immunology (MolMed)	2004
5th ESNI course (European School for Neuroimmunology)	2004
Immunity in the central nervous system (MolMed)	2005
Inflammatory mechanisms in neurodegenerative disease (MolMed)	2005

#### *Didactic skills*

Basisdidactiek voor het hoger onderwijs (OEC Rotterdam <sup>4</sup> )	2005
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#### *(Inter)national conferences*

Dutch MS Research Meeting, Paris, France (Dec 9-10)	2003
Annual Meeting NVVI <sup>5</sup> , Noordwijkerhout, the Netherlands (Dec 18-19)	2003
8 <sup>th</sup> MolMed Day, Rotterdam, the Netherlands (Jan 21)	2004

Annual meeting NVVI, Lunteren, the Netherlands (April 1-2)	2004
7 <sup>th</sup> International Congress of Neuroimmunology, Venice, Italy (Sept 28-Oct 2)	2004
JAMI 6, Maastricht, the Netherlands (Oct 20-23)	2004
Dutch MS Research Meeting, Amsterdam, the Netherlands (Dec 23-24)	2004
9 <sup>th</sup> MolMed Day, Rotterdam, the Netherlands (Feb 9)	2005
Annual meeting NVVI, Lunteren, the Netherlands (April 7-8)	2005
Dutch MS Research Meeting, Amsterdam, the Netherlands (Nov 24-25)	2005
10 <sup>th</sup> MolMed Day, Rotterdam, the Netherlands (Feb 6)	2006
Annual meeting NVVI, Lunteren, the Netherlands (March 23-24)	2006
8 <sup>th</sup> International Congress of Neuroimmunology, Nagoya, Japan (Oct 15-19)	2006
Dutch MS Research Meeting, Rotterdam, the Netherlands (Nov 16-17)	2006
Annual meeting NVVI, Noordwijkerhout, the Netherlands (Dec 7-8)	2006
11 <sup>th</sup> MolMed Day, Rotterdam, the Netherlands (Feb 15)	2007
Annual Meeting NVVI, Lunteren, the Netherlands (March 22-23)	2007
Keystone Symposia, Colorado, USA (April 24)	2007
Dutch MS Research Meeting, Hasselt, Belgium (Nov 15-16)	2007

#### *Seminars*

Dept. Immunology, Erasmus MC, Rotterdam, the Netherlands (Feb 22)	2005
Dept. Neurology, Charité Humboldt University, Berlin, Germany (June 21)	2006
Dept. Medical Physiology, UMCG, Groningen, the Netherlands (Feb 9)	2007
Dept. Immunology, Erasmus MC, Rotterdam, the Netherlands (Dec 16)	2008

#### *Presentations*

Alternative activation of macrophages containing self-antigen during central nervous system autoimmunity (8 <sup>th</sup> MolMed Day 2004)	Poster
A regulating role for CNS antigen-containing antigen presenting cells in the cervical lymph nodes during MS (7 <sup>th</sup> International Congress of Neuroimmunology 2004)	Poster
A potential regulating role for CNS antigen-containing antigen-presenting cells in the cervical lymph nodes during MS (Annual MS Research Meeting 2004)	Oral
CNS antigen-containing antigen presenting cells in the cervical lymph nodes may regulate multiple sclerosis (JAMI 2004)	Poster
A potential regulatory role for central nervous system antigen-containing antigen-presenting cells in MS (9 <sup>th</sup> MolMed Day 2005)	Poster
Brain-derived neuronal antigens are present in cervical lymph nodes in MS and EAE (Annual MS Research Meeting 2005)	Oral
Brain-derived antigens in the cervical lymph nodes: implications for multiple sclerosis? (10 <sup>th</sup> MolMed Day 2006)	Poster

Neuronal antigen-containing antigen-presenting cells in cervical lymph nodes of multiple sclerosis patients and EAE animals are functionally distinct from myelin antigen-containing cells (8 <sup>th</sup> International Congress of Neuroimmunology 2006)	Poster
Antigen presentation by foamy macrophages results in enhanced activation of both naïve and memory T cells (Annual MS Research Meeting 2006)	Oral
Antigen presentation by foamy macrophages results in enhanced activation of both naïve and memory T cells (11 <sup>th</sup> MolMed Day 2007)	Poster
Antigen presentation by foamy macrophages results in enhanced activation of both naïve and memory T cells (Keystone Symposia 2007)	Poster
CNS-draining lymph nodes drive relapse severity in EAE (Annual MS Research Meeting 2007)	Oral

### Teaching activities

#### Supervising practicals

Colon en colon-carcinoma	2003
Cellular interactions during the immune response	2004-2007
Hemopoiese	2004-2007
Spleen and mucosa-associated lymphoid tissue (MALT)	2007
Supervising three trainees from middle and higher laboratory education	2004-2007
Supervising two master students writing their thesis	2005-2007

<sup>1</sup> Netherlands Institute for Bioscience

<sup>2</sup> Postgraduate school Molecular Medicine

<sup>3</sup> Netherlands Institute for Health Sciences

<sup>4</sup> Onderwijsexpertise Centrum (Educational Expertise Centre)

<sup>5</sup> Nederlandse Vereniging voor Immunologie (Dutch Society for Immunology)

<sup>6</sup> Joint Annual Meeting of the German and Dutch Societies for Immunology