

## CURRICULUM VITAE - ANDREA WOLTMAN

### PERSONAL DETAILS

Name Andrea M. Woltman, PhD  
Born; Gender 25 September 1975; Female

### EDUCATION AND DEGREES

2002 PhD in medicine, Leiden University, *Cum Laude*  
Thesis: 'Functional modulation of dendritic cells - Immunosuppressive drugs and inflammatory mediators in renal allograft rejection'. Promotor: Prof. M.R. Daha. Co-promotor: Dr. C. van Kooten  
1998 Doctoral degree, Biomedical Sciences, Leiden University, *Cum Laude*

### ACADEMIC APPOINTMENTS

2018-curr Associate Professor iMERR, the institute of Medical Education Research Rotterdam, Erasmus MC University Medical Center, Rotterdam, the Netherlands  
2014-2018 Research Fellow iMERR, the institute of Medical Education Research Rotterdam, Erasmus MC University Medical Center, Rotterdam, the Netherlands  
2013-2018 Associate Professor, Department of Gastroenterology and Hepatology, Erasmus MC University Medical Center, Rotterdam, the Netherlands  
2006-2013 Assistant Professor, Department of Gastroenterology and Hepatology, Erasmus MC University Medical Center, Rotterdam, the Netherlands  
2002-2006 Post-doc, Department of Nephrology, Leiden University Medical Center, Leiden, The Netherlands  
2000 Research fellow, Laboratory for Immunological Research, Schering-Plough, Dardilly, France  
1998-2002 PhD student, Department of Nephrology, Leiden University Medical Center, Leiden, The Netherlands

### ADMINISTRATIVE POSITIONS AND PROJECT MANAGEMENT

2020-2021 Project Leader Curriculum Design and Renewal Bachelor and Master in Medicine, Erasmusarts2030  
2013-curr Program Director Bachelor in Medicine

### BIOMEDICAL AND EDUCATIONAL RESEARCH: GRANTS

#### Personal research grants

2018 CLI Research Fellowship, Erasmus University Rotterdam (€65.526). The effect of admission and academic dismissal policy on academic performance and student wellbeing.  
2012 NWO/ZonMW Talent Scheme VIDI (016.126.329; €800.000). Cross-presentation by human dendritic cells: a paradigm for successful treatment of chronic hepatitis B.  
2008 Erasmus MC Fellowship (€400.000). 'Immune and treatment escape strategies of the hepatitis B virus: The role of intrahepatic innate immunity in hepatitis B persistence.'  
2005 NWO/ZonMW Talent Scheme VENI (916.66.015; €200.000,-). 'To be, or not to be: Molecular

mechanisms regulating human dendritic cell development and survival’.

Research grants as Principle Investigator

- 2017 MLDS(Dutch Digestive Foundation)-TKI Health~Holland consortium research grant (€732.421). Design of a synthetic long peptide-based therapeutic vaccine to treat chronic hepatitis B virus infection.
- 2016 Educational Research Grant from Erasmus MC and Erasmus University Rotterdam (€15.000). Relation between biological and psychological stress and academic performance; the influence of school factors (N=N), student factors and social capital. (*educational research*)
- 2015 Research grant ISA Pharmaceuticals BV (€4.755). The potency of SLP length variants and adjuvant conjugation (investigator-initiated).
- 2015 Research grant ISA Pharmaceuticals BV (€19.680). Testing a second prototype of HBV-SLP for the expansion of HBV-specific immunity (investigator-initiated).
- 2014 Roche Post-doc Fellowship extension 3rd year (€140.000). The effect of HBV/HBsAg on human dendritic cells (investigator-initiated).
- 2013 F. Hoffman-La Roche Ltd Research grant (€300.000). Understanding the relation between TLR7 polymorphisms and response to TLR7 agonist in hepatitis B virus infection (investigator-initiated).
- 2012 Roche Post-doc Fellowship (€280.000). The effect of HBV/HBsAg on human dendritic cells (investigator-initiated).
- 2008 Gilead Research grant (€250.000). Monitoring the Intrahepatic Innate Immune responses in Chronic HBV Patients treated with Tenofovir (investigator-initiated).
- 2007 Bristol-Myers Squibb Research Grant (€151.722). ‘The effect of Entecavir-induced viral load reduction on the function of dendritic cells in patients with chronic hepatitis B’ (investigator-initiated).
- 2006 Novartis Research Grant (€200.000). ‘Monitoring Innate Immune Responses in HBeAg+ Chronic HBV Patients treated with Telbivudine or PEG-IFN monotherapy or Telbivudine and PEG-IFN combination therapy’ (investigator-initiated).

Research grants as mentor & co-investigator; my group member as principal investigator

- 2017 Erasmus MC grant (€150.000). Finding optimal T cell targets for immunotherapy of chronic hepatitis B; awarded to my post-doc Dr. S. Buschow.
- 2016 High risk research grant from the Dutch Cancer Society (KWF €141.687). Developing a mass spectrometry-based screening method to identify targets for immunotherapy to cure and prevent hepatitis B-related liver cancer; awarded to my post-doc Dr. S. Buschow.
- 2015 Dutch Society for Gastroenterology (Gastrostart €7.500). Developing a mass spectrometry-based screening method to identify HLA-epitopes present on (liver) cells; awarded to my post-doc Dr. S. Buschow
- 2013 Dutch Society for Hepatology- pilot research grant (€2.500); awarded to my PhD student E. van der Aa.
- 2010 Dutch Society for Gastroenterology (Gastrostart €7.500). ‘The development of a novel method to study HBV entry and trafficking in dendritic cells for the induction of HBV-specific CD8+ T cells’. Awarded to my post-doc Dr. A.G. van Montfoort.
- 2007 Erasmus MC grant (€90.000). ‘Innate, important but ignored: towards a better understanding of chronic hepatitis B’. Awarded to my PhD student E. Tjwa.

Research grants as co-investigator; collaborations and consortia

- 2019 Netherlands Initiative for Education Research (NRO: Nationaal Regieorgaan Onderwijsonderzoek - €340.000) ‘Unintended effects of selection on medical student and applicant diversity: What can we do about this?’
- 2009 Fonds Economische Structuurversterking Life Sciences & Health (Viral Hep: €900.000)
- 2008 China Scholarship Council & Ruijin Hospital, Shanghai, China (2 years PhD student).

- 2008 Erasmus MC grant (€150.000). 'Humanized mouse model for viral hepatitis: evaluating the therapeutic potential of stem cell-based therapies'.
- 2002 Dutch Kidney Foundation (C01.1970; €317.209). 'Steroid-induced modulation of dendritic cell functions'.

## EDUCATION INNOVATION GRANTS / AWARDS

- 2021 Pilot Problem-based Project Work Erasmusarts2030 (€117.056) - Impact@Core, EUR - co-applicant, initiative as project leader EA2030 (project owner)
- 2021 Problem-based Project Learning to Convergence Health and Technology for medical students Open Mind Call Convergence Health & Technology (€19.639) – co-applicant, initiative as project leader EA2030 (project owner)
- 2021 Pandemic! (€470.054) - Grant related to Quality agreements for Higher Education (HOKa) - Project owner, steering group
- 2019 Digital Doc: Digital skills for future-proof doctors; EU Thematic Network, Health Policy Platform, DG-SANTE, European Commission – Main Applicant & Chair
- 2019 Diversity and Inclusion (€450.000) - Grant related to Quality agreements for Higher Education (HOKa), co-applicant, steering group
- 2019 Educate socially involved doctors (€230.000) - Grant related to Quality agreements for Higher Education (HOKa), adviser
- 2019 Adaptive blended learning in the Medical curriculum (€250.000) - Grant related to Quality agreements for Higher Education (HOKa) – Adaptief blended leren in het Geneeskunde curriculum, co-applicant, steering group
- 2019 MATCH: Medical Academic Talentbased Career perspectives in Healthcare (€533.000)- Grant related to Quality agreements for Higher Education (HOKa), adviser, steering group.
- 2019 Technologically competent: learn to digitally innovate in healthcare (€291.000)- Grant related to Quality agreements for Higher Education (HOKa), co-applicant, steering group.
- 2019 CIS-student (€50.000) - Grant related to Quality agreements for Higher Education (HOKa), steering group.

## EDUCATION

### Coordination specific modules, educational lectures and other teaching activities

#### Supervision BSc and MSc students

#### Supervision PhD students

##### *Supervision and co-promotor (Erasmus University Rotterdam) – Educational science projects*

- 2019-curr S Fikrat-Wevers Unintended effects of selection on medical student diversity#
- 2019-curr VMA Broks The effect of admission and assessment policies on student performance and wellbeing/stress#
- #Promotor: Prof. W.W. van den Broek (iMERR, Erasmus MC)

##### *Supervision and co-promotor (Erasmus University Rotterdam) – Biomedical science projects*

- 2015-curr M de Beijer Antigen Presentation in Hepatitis B virus infection<sup>1</sup>
- 2013-curr Y Dou Development of a therapeutic vaccine to treat chronic hepatitis B<sup>1</sup>

|           |                 |   |
|-----------|-----------------|---|
| 2017-2018 | R Bouzid        | Development of an HBV SLP-based therapeutic vaccine   |
| 2011-2015 | E van der Aa    | BDCA3+ Dendritic cell function in hepatitis B virus infection; thesis defence 2017 <sup>2</sup>                                   |
| 2008-2014 | A Boltjes       | Antigen presenting cells and interferon in anti-viral immunity; thesis defence 2014 <sup>2</sup>                                  |
| 2006-2012 | ETTL Tjwa       | Natural killer cells in chronic hepatitis B; thesis defence 2012 <sup>2</sup>   |
| 2007-2011 | L van de Laar   | Molecular mechanisms regulating dendritic cell development, survival and function; thesis defence 2011 <sup>2,4</sup>             |
| 2006-2010 | ML Op den Brouw | Dendritic cells in hepatitis B virus infection; host-pathogen interaction and immune modulation; thesis defence 2010 <sup>2</sup> |

*Supervision – Biomedical science projects - Erasmus University Rotterdam*

|           |         |  |
|-----------|---------|--|
| 2008-2010 | CC Shi  | Plasmacytoid dendritic cell function in hepatitis B virus infection; thesis defence 2011, China <sup>5</sup> |
| 2006-2007 | J Stoop | Regulatory T cells in chronic hepatitis B virus infection; thesis defence 2007 <sup>2</sup>                  |

*Supervision – Biomedical science projects - Leiden University*

|           |            |  |
|-----------|------------|--|
| 2005-2006 | K Zuidwijk | Immune regulatory role of epithelial cells in renal allograft rejection <sup>3</sup> |
| 2005-2006 | C Crul     | Dendritic cell modulation in experimental islet transplantation <sup>3</sup>         |
| 2004-2006 | AM Stax    | Dendritic cell modulation in experimental kidney transplantation <sup>3</sup>        |

<sup>1-5</sup>Promotor: <sup>1</sup>Prof. R.A. de Man (Erasmus MC), <sup>2</sup>Prof. HLA Janssen (Erasmus MC), <sup>3</sup>Prof.dr. MR Daha (LUMC, Leiden), <sup>4</sup>Prof. PJ Coffey (UMCU, Utrecht), <sup>5</sup>Prof. Q Xie (Shanghai, China)

## **NATIONAL AND INTERNATIONAL COMMITTEE SERVICES**

### Networks - Chair / Board member

|           |   |
|-----------|---|
| 2019-2021 | EU Thematic Network - Digital Doc: Digital skills for future-proof doctors – Principal Applicant, Chair, and Leading writer Joint Statement |
| 2013-2018 | Young Erasmus Academy (previously called Young Erasmus) – founding chair from 2013-2015, member 2015-2018.                                  |
| 2010-2016 | Editorial Board magazine Dutch Society for Immunology (called ‘Immunologisch’ (2010-2012), and later ‘Immuun’ (2012-2016))                  |
| 2012-2014 | Board member of Society for Talent Scheme Laureates (VViO) –Secretary   |

### Working groups / Committees

|           |  |
|-----------|--|
| 2013-curr | Organizing committee ‘Students and Teachers days’, Erasmus MC  |
| 2021      | Mid-term review committee member Bachelor and Master in Medicine – Free University Amsterdam (VU) – Amsterdam UMC        |
| 2017-2020 | Member of Committee Promotion Scientific Personnel (UHD commissie), Erasmus MC   |
| 2017-curr | Assessment committee (Toetscommissie) – Chair working group Complex Assessment Issues 2017- 2020, current status: member |
| 2019      | Working group Sustainability in Education, Erasmus University Rotterdam  |
| 2018-2020 | Committee member Raamplan Artsopleiding 2020, commissioned by Netherlands Federation of University Medical Centres (NFU) |
| 2018      | Mid-term review committee member NIHES Research Masters Health Sciences and Clinical Research, Erasmus MC                |
| 2018      | Organising committee European Deans meeting: Training future-proof doctors in the  |

- Digital Society, Erasmus MC, Rotterdam
- 2016-2017 Working group to support broadening and elective education, Erasmus University Rotterdam
- 2010-2017 Public Relations Committee of the Dutch Society for Immunology
- 2016 Committee member test Visitation Master Technical Medicine, Delft University of Technology, location Erasmus MC
- 2009-2011 Audit committee Dutch Society for Immunology

#### Advisory boards

- 2020-curr Advisory Board Querido College Erasmus MC – Honours Program medical school Erasmus MC, Rotterdam, The Netherlands
- 2020-curr Advisory Board Impact at the Core – Erasmus University Rotterdam-wide initiative to make a positive impact on societal challenges (Strategy EUR 2024), Rotterdam, NL.
- 2018-curr Chair Advisory Board iMERR, the institute of Medical Education Research Rotterdam, Rotterdam, The Netherlands.

### **OTHER ACADEMIC ACTIVITIES**

- Valorisation activities, e.g. Report about academic dismissal policy Erasmus MC medical school, report “de waarde van het 4-ogen principe”, etc
- Member thesis defence committees for PhD candidates at Leiden University, Erasmus University Rotterdam and University of Amsterdam
- International activities e.g. committee member PhD thesis, attendance international meetings and international collaborations with research groups within academic centres as well with companies.
- Session chairman, abstract scoring, member jury selecting best presentations or posters at several national and international meetings.
- Peer reviewer for a variety of high impact/prestigious (Inter)national Journals and Research Foundations for Papers and Research Grant Applications
- Internal referee for Veni applications and interviews for post-docs Erasmus MC
- Consultant for Transgene (Lyon, France). Technical and strategic advice given to a biopharmaceutical company concerning the development of a therapeutic vaccine to treat chronic hepatitis B.
- Organiser and chairman ‘Virus-Host interactions and the regulation of viral immunity’ (Erasmus MC, Rotterdam) with national and international speakers for researchers and students of the Master Infection and Immunity (Erasmus University Rotterdam).
- Organising committee and chairman Annual Rotterdam Liver Days

### **OUTREACH / POPULARISATION (selected)**

- 2003-curr Interviews radio, online and/or in magazines about scientific results, awards, my scientific career, network initiatives and/or my work related to Bachelor Medicine.  
Recent Examples:
- 2020 Van een verhoogd bsa profiteren vooral mannen, vrouwen ervaren hinder. Science Guide
- 2021 Het bsa zou nooit dwingend moeten zijn. KM Stegers-Jager & AM Woltman. Science Guide.
- 2009-2014 One of the faces of campaign ‘*de patiënt prominent*’ Erasmus MC
- 2010 In Viva400: 400 most successful Dutch women introduced in magazine for women

## AWARDS and ELECTIONS

### Personal awards

- 2013 *Young Erasmus Academy* member (membership 5 years, founding chair for first 2 years)
- 2012 *NWO/ZonMw VIDI*, Talent Scheme Laureate
- 2010 *In Viva400*: 400 most successful Dutch women
- 2010 *Co-promotor of the year*; "She excels in triggering her PhD students to develop themselves and to think independently. Furthermore, she is able to find a truly individual approach for all her PhD students to make most of their PhD." Promeras PhD Association Erasmus MC, Rotterdam
- 2008 *Young Female Talent Erasmus MC* (Female Development Program, Erasmus MC)
- 2008 *Erasmus MC Fellowship*
- 2005 *NWO/ZonMw VENI*, Talent Scheme Laureate
- 2002 *Best thesis* awarded by the Dutch Federation for Nephrology & Dutch Kidney Foundation
- 2002 *Best publication* in transplantation research; Novartis Transplantation Grant
- 2001 *Best oral presentation*; Annual congress Dutch Transplantation Society
- 2001 *Poster Award*: Basic Science Symposium of the Transplantation Society (Switzerland)

### Awards as a mentor

- 2020 *Best research paper award*, Dutch Association for Medical Education (NVMO), (V.M.A. Broks)
- 2017 *Travel Award*, International HBV Meeting, Washington, USA (Y. Dou)
- 2015 *Poster Prize*, Dutch Experimental Gastroenterology and Hepatology meeting (E. van der Aa)
- 2013 *Research award*, Dutch Society for Hepatology (E. van der Aa)
- 2013 *Best poster presentation*, Dutch Society for Hepatology (A. Boltjes)
- 2012 *Travel award*, European Association for the Study of the Liver (A. Boltjes)
- 2009 *2<sup>nd</sup> Prize Oral Presentation*, Molecular Medicine Day, Erasmus MC (L. van de Laar)
- 2008 *Presidential Poster of Distinction Prize*, Annual meeting of the American Association for the Study of Liver Diseases, San Francisco, USA (M.L. Op den Brouw)