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Biography
ABOUT THE AUTHOR

Dessy Rachmawati was born on the 23rd of December 1976, in Jember, East Java, Indonesia. In 1995 she entered the Faculty of Dentistry at the University of Jember, Indonesia, and obtained her Bachelor of Dental Science (BDS) in 2000. She graduated as a Doctor of Dental surgery (DDS) in 2002.

Thereafter she worked at the Department of Biomedical Science and the Department of Prosthodontics at the Faculty of Dentistry, University of Jember, where she was appointed as a lecturer in 2002, and worked there until 2009. Since 2004 she studied for her master degree (MDSc) in Biomaterial Science in Dentistry, at the Graduate School Gadjah Mada University, Yogyakarta, Indonesia, funded by the Directorate General Higher Education, Ministry of Education, Republic of Indonesia. She graduated cum laude for her master degree in 2006.

She was involved in both the clinical and academic teaching for dental students of all years. Initially, she taught in the discipline of Prosthetics Dentistry and Biomedical Science, and worked as a dentist at the Dental Hospital, Faculty of Dentistry, University of Jember.

Since January 2010 she is following a PhD program in the section of Medical Immunology, Department of Pathology, VU University Medical Centre, Amsterdam. This program was supported by the Directorate General Higher Education (DIKTI), Ministry of Research, Technology and Higher Education of the Republic of Indonesia, Scholarship for Overseas (2010 - 2013) until March 2013 and subsequently, until March 2015, by the Department of Pathology of the VUmc. E-mail address: d.rachmawati@unej.ac.id
PHD PORTFOLIO

Summary of PhD Training
PhD student: Dessy Rachmawati
Period: January 2010-April 2016
PhD supervisors:  Prof. dr. R.J. Scheper
dr. B.M.E. von Blomberg-van der Flier
dr. I.M.W. van Hoogstraten

PHD TRAINING

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<td>Effective Time Management</td>
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<td>Skin immunology and cancer vaccines: from allergy to resistance</td>
<td>2010</td>
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<tr>
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<td>The Course on Molecular Diagnostics VII</td>
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<td>Advance Immunology</td>
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<td>Presenting Scientific Research</td>
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<td>ESCD: Immunology of allergic contact dermatitis</td>
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Seminars, Meetings and Lecturers

| Participation in VUmc CCA evening lecturers                           | 2010-2015 | 0.5 |
| Participation in weekly CCA meetings                                  | 2010-2016 | 6   |
| Participation in weekly Dental Immunology meetings                    | 2010-2016 | 6   |

National and international conferences

| European Research Group on Experimental Contact Dermatitis (ERGEC) in Trier, Germany (Oral presentation) | 2012 | 2 |
| Dental Scientific Meeting (DSM) in Jember, Indonesia (Oral presentation)                                 | 2013 | 2 |
| Dutch Society for Immunology Meeting 49th (NVVI) in noordwijkerhout, The Netherlands (Oral poster presentation) | 2013 | 2 |
| Experimental Contact Dermatitis (ERGEC) in Paris,                                                    |      |    |
France (Oral presentation) 2014 2

Dutch Society for Immunology Meeting 50th (NVVI) in Kaatsheuvel, The Netherlands (Oral poster presentation) 2014 2

Activities

Supervision master students internship
- Lizalo Galama 2011 5
- Magda Baroud 2012 5
- Heleen Tromp 2013 5
- Inás Alsalem 2014 5

Writing Scientific articles under supervision of Professor 2010-2016 9

Total ECTS 66.33
COLLABORATIONS

Skin and oral mucosal equivalent dental metal exposures
Ilona Kosten – Department of Dermatology, VU University Medical Centre, Amsterdam, The Netherlands

Gingival cells exposure to TLR ligands
Jeroen K. Buskermolen - Department of Oral Cell Biology, Academic Centre for Dentistry Amsterdam, University of Amsterdam and VU University Amsterdam, The Netherlands

Innate stimulatory capacity of high molecular weight transition metals Au (gold) and Hg (mercury), exposure of HEK-TLR transfectant cells to the metals.
Marleen I. Verstege - Department of Molecular Cell Biology (MCBI), VU University Amsterdam, the Netherlands

Clinical oral examination of allergic patients to dental alloys
Joris Muris - Department of Dental Materials Science, Academic Centre for Dentistry Amsterdam (ACTA), VU University Amsterdam and University of Amsterdam, The Netherlands

Prof. dr. Cees Kleverlaan - Department of Dental Materials Science, Academic Centre for Dentistry Amsterdam (ACTA), VU University Amsterdam and University of Amsterdam, The Netherlands
Innate immune reactivity to dental alloy specimens

Capacity of metal-Ions activate human brain-microglia
Laura A.N. Peferoen – Neuropathology, Dept. of Pathology, VU University Medical Centre, Amsterdam

Metal ions potentiate microglia responsiveness to endotoxin
Daphne Y.S. Vogel - Neuroimmunology Unit Department of Molecular Cell Biology Immunology, VU University, Amsterdam
LIST OF PUBLICATIONS

PEER REVIEWED PUBLICATIONS


Rachmawati D, Bontkes HJ, Verstege MI, von Blomberg BM, Scheper RJ, van Hoogstraten IM.: “Innate stimulatory capacity of high molecular weight transition metals: Au (gold) and Hg (mercury)” Toxicology in Vitro Journal. 2015 29, 363-369.


Rachmawati D, ‘Immune reactivity to dental alloys: innate responses may facilitate allergies but not autoimmunity (Review)’ (in progress)

CONFERENCE AND NON-PEER REVIEWED PUBLICATIONS


Rachmawati D, B Mary E von Blomberg, Rik J Scheper, Ingrid MW van Hoogstraten. Innate stimulatory capacity of high molecular weight transition metals: Au (gold) and Hg (mercury)

Rachmawati D, B Mary E von Blomberg, Rik J Scheper, Ingrid MW van Hoogstraten. Regulation of the immune responses of metal allergy (oral presentation). Dies Natalis and Indonesian dental scientific Meeting, 10-12 Oct 2013 Faculty of Dentistry Jember University.