

# Curriculum Vitae – Welmoed van Loon

## Contact info

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Name	Welmoed van Loon
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## Education

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**2015 – 2017**    **MSc Infectious and Tropical Diseases**, graduated with great distinction,  
*University of Antwerp, Belgium*

- Fundamental courses on: gene and genome technology, protein technology and proteome analysis, bio-ethics, multivariate statistics, bioinformatics, data mining, preclinical drug research, patents and innovation.
- Specialized courses on: human parasites, micro-org. and zoonoses, immunology of infectious diseases, ecology, epidemiology and control of infectious diseases, molecular microbiology and epidemiology of infectious diseases, pathogenesis and clinical aspects of tropical infectious diseases, health economics and mathematical models of infectious diseases, laboratory animal sciences.
- MSc dissertation: *Use of Resuscitation promoting factors in determining infection status of tuberculosis exposed children in The Gambia.*

Aim: Improving TB diagnosis in children in The Gambia by developing a better screening method using Resuscitation promoting factor (Rpf) proteins.

Supervisors: Dr. Jayne Sutherland and Dr. Leopold Tientcheu, laboratory of tuberculosis immunology, group by prof. Beate Kampmann, *Medical Research Council Unit The Gambia*, West Africa. Prof. Luc Kestens, Head of Immunology Unit, *Institute of Tropical Medicine Antwerp*, Belgium.

Digital version available via weblink: [http://bit.ly/msc\\_proposal\\_wvl](http://bit.ly/msc_proposal_wvl) , [bit.ly/msc\\_thesis\\_wvl](http://bit.ly/msc_thesis_wvl)

**2012 - 2015**    **BSc Biomedical Sciences**, graduated with distinction,  
*University of Antwerp, Belgium*

- Fundamental courses on: physics, mathematics, statistics, (bio)chemistry, zoology and anatomy.
- Specialized courses on: biochemical analysis, embryology, immunology, cell physiology, metabolism, system physiology, histology, (physio)pathology, human genetics, neurophysiology, neuroanatomy, microscopic imaging techniques, pathological anatomy, epidemiology, (experimental) oncology, pharmacology, medical microbiology and epidemiology.
- BSc thesis: *Strategies for more efficient in vivo mRNA genetransfer.*  
Supervisor: prof. Peter Ponsaerts, laboratory of hematology *University of Antwerp*, Belgium.

**2006 - 2012**    **Secondary Education, VWO<sup>1</sup>**, profile Nature & Technique and Nature & Health<sup>2</sup>,  
*CSG Het Streek*, Ede, The Netherlands

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<sup>1</sup> Secondary school defined as pre-university education.

<sup>2</sup> Subjects focused on mathematics, chemistry, physics and biology.

## Employment and experience

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- 2018 - today    **PhD student Malaria resistance development and hemoglobinopathies**, *Humboldt University*, Berlin, Germany
- Malaria Group, *Institute of Tropical Medicine and International Health*, *Charité Universitätsmedizin*, Berlin, Germany.
  - Supervisors: Prof. Frank Mockenhaupt, Prof. Kai Matuschewski.
  - Member *Center of Infection Biology and Immunity (ZIBI) Graduate school*.
- 2017 - 2018    **Research assistant Infectious Disease Modelling**, Department of Public Health (*Maatschappelijke Gezondheidszorg; MGZ*), *Erasmus Medical Centre Rotterdam*, The Netherlands.
- 2017
  - **Internship** (five months) for MSc dissertation at laboratory of tuberculosis immunology, *Medical Research Council Unit The Gambia*, The Gambia West-Africa.  
Content: carrying out (and reporting and writing about) immunology project, stimulation assays on whole blood, ELISA, flow cytometry, analyzing data using *FlowJo* and *R*.  
For further details: see above, section "Education".
  - **Invited speaker** at departmental meeting Pediatric Infections and Immunology *Imperial College*, UK, Content: findings MSc dissertation. Invited by prof. Beate Kampmann.
- 2016
  - **Internship** (three weeks) at laboratory of Immunology, *Institute of Tropical Medicine Antwerp*, Belgium.  
Content: Writing project proposal MSc dissertation, PBMC isolation, stimulation assays, flow cytometry.  
Supervisors: Dr. Odin Goovaerts, prof. Luc Kestens.
  - **Internship** (six weeks) at department of Evolutionary Ecology of Infectious Diseases, *University of Oxford*, UK.  
Content: Mathematical modelling in population dynamics with different host immunity features and pathogen strain structures, using *Matlab*.  
Supervisors: Dr. Bridgit Penman, group by prof. Sunetra Gupta.

## Skills

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<b>Languages</b>	Dutch (first language), English (advanced).
<b>Computational</b>	Programming and modelling in <i>R</i> (advanced) and <i>Matlab</i> . Data analysis in <i>R</i> (advanced) and <i>SPSS</i> . Microsoft Office (excellent).
<b>Communication</b>	Pleasure in presenting for a group, excellent communication skills, experience with liaising with clinical field team.
<b>Planning</b>	Strict time-management and hard-working attitude. Finished all MSc dissertation mile stones as scheduled, despite delays due to political issues and the unreliable nature of clinical field samples.
<b>Laboratory</b>	PBMC isolation, stimulation assays on whole blood, ELISA, flow cytometry (advanced). Diagnostic tests of a broad range of tropical infectious diseases.

## Certificates

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2016	<b>FELASA<sup>3</sup> C accredited</b> , <i>University of Antwerp</i> , Belgium.
2015	<b>International and Global Development and Healthcare</b> (IGOG), <i>University of Antwerp</i> , Belgium.
2015	<b>European First Aid diploma<sup>4</sup></b> , <i>Red Cross</i> , Antwerp, Belgium.

## Other competences

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Multiple functions in the hospitality industry, recreation and arts<sup>5</sup>. Often executive, but also in a coordinative function over a period of several years and therefore a high degree of autonomy and responsibility in my work.

Voluntary supervising function at a sailing camp<sup>6</sup> in The Netherlands which yearly attracts 30 children (2012-today). Volunteer at *Bloedserieus*<sup>7</sup>, entrusted with the job to lead promotion and associated logistics (2014-2016). Read-out volunteer in kindergarten<sup>8</sup> to support language development (2015).

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<sup>3</sup> Federation of European Laboratory Animal Science Associations.

<sup>4</sup> Both the basic diploma as the next diploma "Helper".

<sup>5</sup> Conference center, hotel, restaurant *De Reehorst*, Ede, The Netherlands/*Buitenkunst*, Dronten and Elp, The Netherlands/*Pop-up Café 't Schoon Verdiep*, cityhall of Antwerp, Belgium.

<sup>6</sup> Algemene Kampen Commissie (AKC), [www.akckampen.nl](http://www.akckampen.nl).

<sup>7</sup> Non-profit organization which organizes blood fundraising for students in Antwerp, Belgium, in corporation with the Red Cross.

<sup>8</sup> Primary school *St. Anna Goethe*, Antwerp, Belgium, via the organization *LINC* which organizes the project *Readingparty*.