



## Curriculum Vitae

Personal information **Kaatje Smits**

### Work experience

1. Employer: Federal agency of medicines and health products
  - Start date: 102014
  - End date:
  - Position: scientific assessor, non\_clinical
  - Activities:
  - Country: Belgium
2. Employer: Université Libre de Bruxelles
  - Start date: 022008
  - End date: 062014
  - Position: Postdoctoral researcher
  - Activities:
  - Country: Belgium
3. Employer: Fonds Wetenschappelijk Onderzoek Vlaanderen
  - Start date: 102002
  - End date: 122007
  - Position: predoctoral research fellow
  - Activities:
  - Country: Belgium

### Education and training

1. Subject: Ghent University
  - Start date: 101997
  - End date: 072002
  - Qualification: Bioscience engineering
  - Organisation:
  - Country: Belgium

### Additional information

#### Publications

Dreesman A, Dirix V, Smits K, Corbière V, Van Praet A, Debulpaep S, De Schutter I, Felderhof MK, Malfroot A, Singh M, Loch C, Mouchet F, Mascart F. Identification of Mycobacterium tuberculosis Infection in Infants and Children With Partial Discrimination Between Active Disease and Asymptomatic Infection. *Front. Pediatr.* 2019; 7: 311 Aerts L, Selis E, Corbière V, Smits K, Praet A, Dauby N, Petit E, Singh M, Loch C, Dirix V, Mascart F. HBHA\_Induced Polycytotoxic CD4 + T Lymphocytes Are Associated with the Control of Mycobacterium tuberculosis Infection in Humans. *J Immunol* 2019; 202:421\_427 Dreesman A, Corbière V, Dirix V, Smits K, Debulpaep S, De Schutter I, Libin M, Singh M, Malfroot A, Loch C, Mascart F. Age\_Stratified T Cell Responses in Children Infected with Mycobacterium tuberculosis. *Frontiers in Immunology*, 2017; 8: 1059 Smits K, Corbière V, Dirix V, Mekkaoui L, Wyndham\_Thomas C, Libin M, Dreesman A, Loyens AM, Payen M, Singh M, Loch C, Mascart F. Immunological Signatures Identifying Different Stages of Latent Mycobacterium tuberculosis Infection and Discriminating Latent from Active Tuberculosis in Humans. *Journal of Clinical and Cellular Immunology*, 2015; 6:341 Smith SG, Smits K, Joosten SA, van Meijgaarden KE, Satti I, Fletcher HA, Caccamo N, Dieli F, Mascart F, McShane H, Dockrell HM, Ottenhoff TH; TBVI TB Biomarker Working Group. Intracellular Cytokine Staining and Flow Cytometry: Considerations for Application in Clinical Trials of Novel Tuberculosis Vaccines. *PLoS One*, 2015;10(9):e0138042 Rond L, Schure R, Öztürk K, Berbers G, Sanders E, Twillert I, Carollo M, Mascart F, Ausiello C, van Els C, Smits K, Buisman A. Identification of Pertussis\_Specific Effector Memory T Cells in Preschool Children. *Clinical and vaccine immunology*. 2015; 22(5): 561 van Els C, Corbière V, Smits K, van Gaans\_van den Brink JAM, Poelen MCM, Mascart F, Meiring HD, Loch C. Toward Understanding the Essence of Post\_Translational Modifications for the Mycobacterium tuberculosis Immunoproteome. *Front Immunol.* 2014; 5: 361. Wyndham\_Thomas C, Corbière V, Dirix V, Smits K, Domont F, Libin M, Loyens M, Loch C, Mascart F. Key role of effector memory CD4+ T lymphocytes in a short\_incubation heparin\_binding hemagglutinin gamma interferon release assay for the detection of latent tuberculosis. *Clin Vaccine Immunol.* 2014; 21(3):321\_8 Smits K, Pottier G, Smet J, Dirix V, Vermeulen F, De Schutter I, Carollo M, Loch C, Ausiello CM, Mascart F. Different T cell memory in preadolescents after whole\_cell or acellular pertussis vaccination. *Vaccine.* 2013; 31(1):111\_8 Carollo M, Palazzo R, Bianco M, Smits K, Mascart F, Ausiello CM. Antigen\_specific responses assessment for the evaluation of Bordetella pertussis T cell immunity in humans. *Vaccine.* 2012; 30 (9): 1667\_1674 Smits K\*, Iannucci V\*, Stove V, Van Hauwe P, Naessens E, Meuwissen P, Ariën K, Bentahir M, Plum J, and Verhasselt B. Rho GTPase Cdc42 is essential for human T cell development. *Haematologica.* 2010; 95(3):367\_75. \* equal contribution Dewerchin HL, Cornelissen E, Van Hamme E, Smits K, Verhasselt B, Nauwynck HJ. Surface\_expressed viral proteins in feline infectious peritonitis virus\_infected monocytes are internalized through a clathrin\_ and caveolae\_independent pathway. *Journal of General Virology.* 2008; 89(11):2731\_40 Smits K, De Smedt M, Naessens E, De Smet G, Stove V, Taghon T, Plum J and Verhasselt B. Tumor Necrosis Factor promotes T\_cell at the expense of B\_cell lymphoid development from cultured human CD34+ cord blood cells. *Experimental Hematology.* 2007; 35: 1272\_8. Stove V\*, Smits K\*, Naessens E, Plum J and Verhasselt B. Multiple gene knock\_down by a single lentiviral vector expressing an array of short hairpin RNAs. *Electronic Journal of Biotechnology.* 2006; vol. 9, no. 5. \* equal contribution

#### Projects

#### Memberships

#### Other Relevant Information