

CURRICULUM VITAE

Last name, First Name: Langermans, Jan

Gender: Male

Nationality/ies: Netherlands

Overall Scientific Expertise

During and after the study Biology with specialisation Immunology, and a PhD program in Infectious Diseases at the Leiden University Medical Center, Jan has been working predominantly in the field of infectious disease research and development and use of various animal models to study infections and development of interventions. These models include small and large animal models and non-human primates. Jan has been leading own groups since 2003. Based upon the extensive animal model expertise, Jan has been and is involved as scientific and ethics specialist and advisor in national and international research programs and organizations.

Professional Experience

Years employed from-to	Title position	Employer Name and Location	Areas of professional specialisation
2008-current	Chairman ASD Deputy Director	BPRC, Rijswijk, The Netherlands	Medicine (immunology, vaccines, infectious diseases, neuroscience) alternative methods, welfare
2007-2008	Director Biomedical Research	Animal Sciences Group from Wageningen UR, Lelystad, The Netherlands	Medicine (diabetes, neurology, infectious diseases, pharmacokinetics)
2003-2007	Director Experimental Animal facilities	Animal Sciences Group from Wageningen UR, Lelystad, The Netherlands	Animal Models, infectious disease
1996-2003	Head Parasitic and bacterial immunology	BPRC, Rijswijk, The Netherlands	Medicine (vaccines, immunology, drugs), animal models
1992-1996	Assistant professor	Leiden University Medical Center, Leiden, The Netherlands	Infectious Diseases, Immunology
1987-1992	PhD student	Leiden University Medical Center, Leiden, The Netherlands	Infectious Diseases, Immunology

Educational Background

Year	Degree awarded	Education Institution- name and location	Areas of educational specialisation
2002	Immunologist	SMBWO, The Netherlands (see www.smbwo.nl)	Immunology
2001	Medical Microbiology Researcher	SMBWO, The Netherlands (see www.smbwo.nl)	Medical Microbiology
1992	PhD (cum laude)	Leiden University, Leiden, The Netherlands	Infectious Disease, Microbiology, Immunology
1987	Drs. (MSc)	Utrecht University, Utrecht, The Netherlands	Immunology and Microbiology
1984	BSc	Utrecht University, Utrecht, The Netherlands	Biology and microbiology

Membership in Scientific Advisory Bodies/Committees/Panels

Chairman Scientific Advisory Board, IDMIT (see www.idmitcenter.fr), Fontenay-aux-Roses, France (2013-current).

Chair of the Vaccines Product Platform, EATRIS (ERIC), Amsterdam, The Netherlands (2013-current).

Ad Hoc specialist (site visitor): AAALAC (2016-current)

Council Member NVP (Netherlands Society for Animal Research) (2010-current)

Member of an independent ethics committee, The Netherlands (2004-current).

Member Animal Model Technical Advisory Group, Aeras Global TB Vaccine Foundation (2003-2010).

Member FELASA workgroup on updating health screening NHP (2014-2016)

Council member European Biosafety Association (EBSA) (2007-2011)

Member scientific committee FELASA Barcelona (2013) and Brussels (2016).

Ad hoc Ethics panel member, ERCEA (ERC), Brussels (2014-current)

(Ethics) Advisor various EU projects:

Anibiothreat (2011-2013)

NewTBVAC (2010-2013)

TBVAC2020 (2015-current)

Sysmalvac (2013-2015)

Member User Selection Panel Animal Models EU project TRANSVAC (2010-2013).

Chairman User Selection Panel Animal Models EU project NADIR (2009-2013)

Membership in Learned Societies:

Member of Dutch Society for Immunology
Member of Dutch Society for Infectious Diseases
Member of Dutch Society for Parasitology
Member of Dutch Society for ANimal research
Member of European Biosafety Association

Membership of Editorila Boards

None

List of Publications:

Total of 81 publications in peer-reviewed journals and 8 book chapters in the field of Immunology, Microbiology, Infectious Diseases, veterinary research, animal welfare and animal models.

Selected Publications

1. Langermans JAM, P Andersen, D van Soolingen, RAW Vervenne, PA Frost., T van der Laan, LAH van Pinxteren, J van den Hombergh, S Kroon, I Peekel, S Florquin, AW Thomas. 2001. Divergent effect of BCG-vaccination on Mycobacterium tuberculosis infection in highly related primate species: implications for primate models in tuberculosis vaccine research. Proc. Natl. Acad. Sci. USA, 98:11497-11502.
2. Bakker J., JJ Uilenreef, ERJ Pelt, HPM Brok, EJ Remarque, JAM Langermans. 2013. Comparison of three different sedative-anaesthetic protocols (ketamine, ketamine-medetomidine and alphaxalone) in common marmosets (*Callithrix jacchus*). BMC Vet Res. 9: 113 (doi:10.1186/1746-6148-9-113).
3. Bakker J, B Ouwerling, PJ Heidt, I Kondova, JAM Langermans. 2015. Welfare improvement in a breeding colony of laboratory-housed common marmosets (*Callithrix jacchus*): advantages and risks. . J Am Assoc Lab Anim Sci.54(3):273-9.
4. Burm SM, JB Prins, J Langermans, JJ Bajramovic. 2014. Alternative methods for the use of non-human primates in biomedical research. ALTEX. 2014 Jul 24. doi: <http://dx.doi.org/10.14573/altex.1406231>.
5. Bosschem I, B Flahou, J Bakker, E Heuvelman, JAM Langermans, E De Bruyne, M Joosten, A Smet, R Ducatelle, F Haesebroeck. 2016. Comparative virulence of *in vitro*-cultures primate- and pig-associated *Helicobacter suis* strains in BALB/c mouse and a Mongolian gerbil model. Helicobacter. DOI:10.1111/hel.12349
6. 't Hart BA, SA Jagessar, YS Kap, KG Haanstra, IH Philippens, C Serguera, J Langermans, M Vierboom. 2014. Improvement of preclinical animal models for autoimmune-mediated disorders via reverse translation of failed therapies. Drug Discov Today Apr 2. pii: S1359-6446(14)00117-2. doi: 10.1016/j.drudis.2014.03.023.
7. Krogh AK, JF Lundsgaard, J Bakker, JAM Langermans, FAW Verreck, M Kjelgaard-Hansen, S Jacobsen, MF Bertelsen. 2014. Acute-phase responses in healthy and diseased rhesus macaques (*Macaca mulatta*). J Zoo Wildl Med.45:306-314.
8. Wilson RAW, JAM Langermans, GJ van Dam, RA Vervenne, SL Hall, WC Borges, GP Dillon, AW Thomas, PS Coulson. 2008. Elimination of *Schistosoma mansoni* adult worms by rhesus macaques: basis for a therapeutic vaccine? PLOS Negl Trop Dis 2(9):e290.doi:10.1371/journal.pntd.0000290.