

Scientific *curriculum vitae***PERSONALS**

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 Diverse: Driver's licence; Dutch Nationality

SHORT RESUMÉ

2001-present Several postdoc positions and copromotor of PhD students (2005, and 2 more appointed for 2008) in tumour immunology at Utrecht University (see work experiences).

30/11/2005 **COPROMOTER** Thesis Drs. E.V. Moiseeva, "*Original approaches to test anti-breast cancer drugs in a novel set of mouse models.*" Utrecht University.

24/11/2003 **PhD** at the University of Amsterdam. The thesis is title "*Organotypic skin explant cultures to identify skin irritants and contact allergens.*". Promotor: Prof. J.J. Weening. Copromotors: Dr. P.K. Das and Dr. G.R. Elliott.

1997-2001 **PhD research** at TNO-PML in close collaboration with the AMC under guidance of the Amsterdam Leiden Institute for Immunology (ALIFI). SMBWO recognition is pending.

1995-1997 Scientific co-worker (see work experiences).

1991-1994 **Biology** (medical); specialisations: immunology and molecular biology.
 11/1994 **Drs.**-title, Utrecht University (UU).
Trainee 1. Academic Medical Centre Utrecht (AZU). Faculty of Medicine, Dept. Pathology. Supervisor Prof. W. Den Otter. Interleukine-2 (IL-2) therapy in mice. Culture T lymphocytes and evaluation of cellular immune response after IL-2 therapy.
Trainee 2. Utrecht University (UU). Fac. Biology; Dept. Comparative endocrinology. Supervisor Dr. J. Bogerd; Prof. H. Goos. Cloning estrogen receptor of African catfish. Invented new RACE cloning method. Literature paper: Testis and growth factors.

1986-1991 **H.L.O.**, Medical laboratory research (microbiology).
 7/1991: **Ing.**-title "University" [Hogeschool] of Venlo.
Trainee 1 Hospital Zuiderzee, Lelystad. Dept. Hematology.
Trainee 2 Central Veterinary Institute (CDI), Lelystad. Dept. FMD vaccin bank Supervisor Dr. J. Vreeswijk. Start up diagnostic RT-PCR using degenerative primers for Foot-and-Mouth Disease (FMD) virus, sequence analyses and ELISA.

More detailed information can be found at page 3 and 4

COURSES

2006 Global Leadership Summit, management-course. Hoofddorp.
 2004 SPSS Data entry, AMC.
 2003 "Schrijfwijzer" [writing popular science], NIBI, Utrecht.
 2002 [Preparing and giving work colleges], Utrecht University (IVLOS).
 2001 [Focus at educational and didactic acts], Utrecht University (IVLOS).
 1998 [Immunology for immunologists], ALIFI, LUMC
 " [Flow cytometric immunodiagnostic], EUR & AZR.
 " **Proefdierkunde** [Animal experimentation] article 9.
 1996 Protein targeting and secretion & Translation in yeast, Biocentrum Amsterdam.
 1993 **Stralingshygiëne** [Radioactive work] level 5B.

LANGUAGES

▪ Dutch (native), English (fluent), German (good).

PERSONALITY

- Creative, solution – and result oriented thinker with broad and deep knowledge and insight; able to translate this for laymen. Studious; loves challenges.
- Stimulates, motivates and develops others; flexible and helpful in cooperation.
- Independent, helpful and cooperative professional worker with a honest, sincere and positive attitude. Easy in social interaction.

FREQUENTLY PERFORMED TECHNIQUES AND TASKS

Immunology. quantitative en qualitative ELISA; cytokine array; immune precipitation; immunofluorescence; MACS cell separation; T helper cell culture; cell proliferation assay; cytotoxicity assay. (supervision) FACS; (quantitative) immunohistochemistry; image analyses.

Molecular biology / biochemistry. RNA isolation; DNA isolation; primer selection and development RT-PCR; diagnostic RT-PCR; diagnostic PCR; PCR-RFLP; cloning; (recombinant) viral infections and transfection, sequence analyses; (non)-reducing SDS-PAGE of proteins; *pulse-chase* labelling; HPLC; HPTLC; densitometry; array analyses; phage display.

Cells and tissue. Perfused pig ear; skin culture; cell culture; virus culture; virus infection and titration; histology; Semi-automatic haematological assays; haematological cell differentiation; detection and quantification metastases; quantification virus particles; skin diffusion; data-analyses R&D group.

In vivo. Writing proposals for animal experimental committee (DEC) and Medical ethical committee (MEC); therapy in mice; experiments in volunteers; biomedical statistics; evaluation clinical phase I/II trials; start clinical phase I/II and III trials.

Teaching and management. Supervising analysts; supervising biomedical and clinical PhD students; supervising trainees; teaching students of veterinary medicine (immunology, embryology, cell biology, histology), remedial teaching students [HAVO] and [MLO] (analyst school).

Collaboration. Interdisciplinary and international

Writing and presenting. Grant requests, scientific papers, abstracts, popular science, presentations at national and international congresses.

HOBBIES

- Board member [Vereniging voor Medisch Wetenschappelijke Onderzoekers] (VMWO); leader in association VMWO with Union [Unie Zorg en Welzijn].
- General board member [Federatie voor Medisch Wetenschappelijke Verenigingen] (FMWV; Federa).
- Writing popular science, e.g. for www.kennislink.nl (NIBI).
- Reading medical and other scientific literature.
- Playing guitar, modern, classical and bass; writing songs and poems.
- Bible study and theology.
- Participating in youth work and supervising others in volunteer work.
- Non-competitive team sport (soccer, volleyball).

WORK EXPERIENCES

- **Utrecht University. Faculty of Veterinary medicine. Supervisor (Em.) Prof. W. den Otter.**
- **3 times: IX-1992 to VII-1993, VII-2001 to VIII-2003 and IX-2003 to present**
- **Local interleukine 2 (IL-2) therapy of cancer in experimental animals, animals and human.**
 - Copromotor XI 2005, add appointed twice more for VIII 2008
 - Supervising PhD students and trainees
 - National and international collaboration
 - Collaborating with human and veterinary clinicians
 - Teaching students veterinary medicine
 - Writing Animals experiment [DEC] requests
 - Animal experimental research
 - Cellular immunology
 - Histology and immunohistochemistry
 - Preparing, and analysing clinical phase I/II and III studies
 - Statistics
 - Writing grand proposals
 - PR activities
 - Intermediate clinicians and patients
 - Writing and co-writing scientific papers
 - Presenting at (inter)national congresses
- **Leiden University. Faculty of chemistry. Supervisor Prof. J.A. Bouwstra & Dr. M. Ponec**
- **V-2005 to IV-2006**
- **Making and testing chemical stratum corneum**
 - Cooperation with companies
 - Physical procedure to make chemical stratum corneum from lipid mixture.
 - Lipid analyses skin composition
 - Structure analyses (confocal microscopy).
 - Diffusion experiments and HPLC quantification
 - Writing progress reports.
 - Presentations
- **AMC, Amsterdam. Dept. Coronel institute, Supervisor Dr. S. Kezic**
- **X-2003 to I-2005**
- **Cytokines at chronic skin irritation and risk factors for organophosphate syndrome.**
 - Supervising PhD students and trainees.
 - Writing request medical ethical committee (MEC)
 - Performing experiments with volunteers.
 - Molecular biology research
 - Array technology
 - Immunological research
 - Biostatistics
 - Presenting at (inter)national congress
 - Writing and cowriting scientific papers
 - Writing grant request

- **TNO-PML, Rijswijk with AMC Dept. Pathology. Supervisors Dr G. Elliott, Dr. P.K. Das**
- **VII-1997 to VI-2001**
- **PhD research skin culture and perfused pig ears as animal replacement test to screen contact allergens and skin irritants.**
 - Supervising trainees.
 - Developing tests to screen skin irritants
 - Improving test to screen contact allergens
 - Quantitative immunohistochemistry of Langerhans cells
 - Quantitative histology of lungs
 - Culture human and pig skin *ex vivo*
 - Start 28-hours perfusion of intact pig skins *ex vivo*.
 - Histology and immunohistochemistry
 - Quantifying histology and immunohistochemistry using image analysis
 - Cellular immunology
 - Humoral immunology
 - Phage display
 - Writing scientific papers
 - Presenting research at (inter)national congresses.
 - Writing grant requests

- **CIDC, Lelystad Dept. Virology. Supervisor Dr. J. Vreeswijk, Drs. S. Barteling**
- **3 times: IX-1990 t/m IX-1991, IX-1994 t/m XII-1995, II-1997 t/m VI-1997**
- **Foot- and Mouth Disease (FMD) virus detection and FMD vaccine research**
 - Daily management R&D vaccine production
 - Virus cell adaptation and evolution (epitope affinity and sequence analysis)
 - Determination virus aggregation and stability
 - *Trouble shooting* of vaccine production
 - Statistics
 - Cell and virus culture
 - Virology
 - Humoral immunology
 - Molecular biology
 - Development degenerative primer sets for diagnostic RT-PCR of FMDV.
 - Development diagnostic PCR for HSV-1, -2 and VZV with sub typing.
 - Writing scientific papers

- **AMC, Amsterdam. Dept. Biochemistry. Supervisor. Dr I. Braakman**
- **I-1996 t/m II-1997**
- **Protein folding influenza virus hemagglutine**
 - Radioactive pulse-chase labelling
 - Viral infection and transfection in cell culture
 - Immunoprecipitation of radioactive proteins.
 - Protein chemistry
 - Molecular biology