Curriculum Vitae

Personal information

Camilla Svensson

Work experience

1. Employer: Swedish Medical Products Agency, Department of Scientific and Regulatory Lead
   - Start date: 07, 2021
   - End date: present
   - Position: Scientific Director pharmacology/toxicology
   - Activities: Having overall responsibility for the scientific and regulatory quality of the reports produced by the group of nonclinical assessors. Representing SMPA in nonclinical issues nationally and internationally. Assisting the line managers in competence supply issues and the agency in strategic and operational issues based on knowledge and experience.
   - Country: Sweden
2. Employer: Swedish medical products agency
   - Start date: 03, 2020
   - End date: 06, 2021
   - Position: Acting scientific director pharmacology/toxicology
   - Activities: Having overall responsibility for the scientific and regulatory quality of the reports produced by the group of nonclinical assessors. Representing SMPA in nonclinical issues nationally and internationally Assisting the line managers in competence supply issues and the agency in strategic and operational issues based on knowledge and experience.
   - Country: Sweden
3. Employer: Swedish Medical Products Agency, Department of Clinical Trials and Special Permissions
   - Start date: 06, 2007
   - End date: 06, 2021
   - Position: Senior Nonclinical assessor
   - Activities: Non-clinical assessor at senior level of CTAs and MAAs including all modalities but specialised in biologics, immunomodulating products, vaccines, gene- and cell therapy products (ATMPs). Participated in Scientific Advices (central SA and at national level). Contributed at the national level to development of guidelines in my areas of expertise. Lecturer in the subjects of non_clinical safety testing at national and international meetings (incl EMA) with external teaching commissions at Uppsala University in the fields of immunology and biotechnology.
   - Country: Sweden
4. Employer: Uppsala University, Faculty of Pharmacy, Department of Pharmaceutical Biosciences
   - Start date: 06, 2003
   - End date: 05, 2007
   - Position: Researcher, Assistant Professor
   - Activities: 1) Principal investigator_Immunotoxicology. Project title: “From stem cells to T cells in vitro _optimization and validation of a new method for studying immunotoxicity”. In this project a newly established in vitro technique for differentiating human hematopoietic stem cells into functionally mature T cells was utilised as a tool to identify immunotoxic compounds and to functionally characterize genes and mechanisms involved in chemically_induced perturbations of the immune system. 2) Teaching commissions: Principal lecturer and examiner in immunology, 2002_2007; Lecturer and Supervisor of graduate students in Toxicology, 2003_2004, 2005_2007, Lecturer in Industrial Pharmaceutical Biotechnology, 2005_2007;Tutor and Lecturer in Risk assessment and Toxicology for Baltic students, 2003. 3) Co_PI and immunology content expert in the educational technology project “Virtual interdisciplinary biology education (VIBE)”. Http://vibe.stanford.edu
   - Country: Sweden

Education and training

1. Subject: Department of Immunology, University of Toronto, Sunnybrook Research Institute, Laboratory of Prof Juan_Carlos Zuñiga_Pflücker, Toronto
   - Start date: 072004
   - End date: 092005
   - Qualification: Postdoctoral fellow
   - Organisation: Subject of postdoctoral studies: The role of the cytoskeleton_modulating protein Adseverin in T cell development. In these studies I used a novel system for in vitro T cell development based on murine/human hematopoietic stem cells or murine embryonic stem cells; retroviral and siRNA techniques for overexpressing/blocking gene expression in these cells; and flow cytometric and molecular biology techniques. This post_doctoral training has given me valuable knowledge to evaluate non_clinical data of immunomodulating agents as well as gene_ and cell therapy products.
   - Country: Canada
2. Subject: Dept. of Pharmaceutical Biosciences, Div. of Toxicology, Faculty of Pharmacy, Uppsala University, Uppsala
   - Start date: 011995
   - End date: 052002
   - Qualification: PhD (Faculty of Pharmacy) in Toxicology
   - Organisation: Subject of theses: Mechanisms behind chemically_induced perturbations on T cell development. The work comprised of in vitro and in vivo (mouse) studies on immunosuppressive agents and a range of molecular biology techniques including global gene profiling approaches to screen for and identify up/down regulated genes. Teaching commissions: Lecturer and Supervisor in Toxicology 1995_2002 at Uppsala University and Södertörn

University.
- Country: Sweden

3. Subject: Uppsala University, Faculty of Pharmacy
   - Start date: 081990
   - End date: 061994
   - Qualification: MSc in Pharmacy (Certified Pharmacist)
   - Organisation: Masters program in Pharmaceutical sciences
   - Country: Sweden

Additional information

Publications

Complete papers:

Camilla Svensson and Katarina Lundberg (2001) Immune_specific up_regulation of adseverin gene expression by 2,3,7,8_tetrachlorodibenzo_p_dioxin. Molecular Pharmacology 60: 135-142

Camilla Svensson, Allen E. Silverstone, Zhi_Wei Lai, and Katarina Lundberg (2002) Dioxin_induced adseverin expression in the mouse thymus is strictly regulated and dependent on the aryl hyrdocarbon receptor. Biochemical and Biophysical Research Communications 291: 1194-1200

Camilla Svensson (2002) Adseverin_an immune_specific target of 2,3,7,8_Tetrachlorodibenzo_p_dioxin. Acta Universitatis Upsaliensis, Comprehensive Summaries of Uppsala Dissertations from the Faculty of Pharmacy 273. 66pp ISBN:91_554_5324_4, Tryck & Medier, Uppsala

Estibaliz Lopez_Fernandez, Camilla Svenson, Lennart Dencker and Anne_Lee Gustafsson (2004) Disturbing endoderm signalling to anterior neural plate of vertebrates by the teratogen cadmium. Reproductive Toxicology 18: 653-660

Other relevant publications:

Svensson, C and Lidberg, M (2021) Replik: Att fasa ut djurförsök är en internationell fråga/Phasing out animal testing is an international matter, Curie 2021_09_21 https://www.tidningencurie.se/debatt/att_fasa_ut_djurforsok_ar_en_internationell_fraga/ (SMPAs reply to a debate article on alternatives to animal testing in the Swedish Research Councils web magazine 'Curie'):

Ehnmann F et al. (2024) Report of the European Medicines Agency (EMA) conference on RNA-based medicines. Nucleic Acid Therapies 34: 4-11

Book chapters

Camilla Svensson (2006) Immunotoxicity. In Pharmaceutical Toxicology, pp 177-192, Dencker, L. and Muller, G. Eds., London, Pharmaceutical Press

Abstracts and congress reports:

Svensson, C. and Lundberg K. (1997) Hunting for dioxin_induced genes by differetial display PCR in mouse thymus_ a way to elucidate TCDD induced immunotoxicity. Presented at CFN symposium: Effects of Toxicants on Gene Expression and Intracellular signalling, 1997, Stockholm and ESFs conference: Mechanisms in Toxicity: Recent Molecular Advances, Aquafredda di Maratea, Italy

Svensson, C. and Lundberg, K. (1998) 2,3,7,8_Tetrachlorodibenzo-p-dioxin induces adseverin gene expression in mouse thymus a protein possibly important in TCDD induced immunotoxicity. Organohalogen Compounds 37, 207-208. Dioxin'98, Stockholm, Sweden

Svensson, C., Lai, Z_W., Silverstone, A. E., and Lundberg, K. (2000) 2,3,7,8-Tetrachlorodibenzo-p -dioxin induces adseverin gene expression in mouse thymus a thymocyte-specific, Ah_receptor mediated effect. Dioxin'00, Monterey, USA

Svensson, C. and Lundberg, K. (2001) Dioxin_mediated immunotoxicity involves adseverin induction. 11th International Congress of Immunology, Stockholm, Sweden and 9th International Congress of Toxicology Brisbane, Australia.

Svensson, C. Wu, L. and Lundberg K (2004) Stage-specific up regulation of the actin-severing protein adseverin in developing T cells after exosure to 2,3,7,8_Tetrachlorodibenzo_p –dioxin.

Svensson, C. and Zúñiga_Pflücker, J.C. (2005) Arylhydrocarbon receptor mediated induction of adseverin, an actin_binding protein, impairs T cell development by inhibiting T lineage commitment. Biochemistry and function of aryl hydrocarbon receptor and other PAS_bHLH_ proteins, Düsseldorf, Germany

Svensson, C and Zúñiga_Pflücker, J.C. (2007) Key Role of The Actin_Modulating Protein Adseverin in Dioxin_induced immunotoxicity, International Congres of Toxicology XI, Montreal, Canada

Projects

Selected academic projects at Uppsala University, Sweden and University of Toronto, Canada 1995_2007 (see also training, work experience):

1) Principal investigator_Immunotoxicology. Project title: "From stem cells to T cells in vitro _optimization and validation of a new method for studying immunotoxicity". In this project a newly established in vitro technique for differentiating human hematopoietic stem cells into functionally mature T cells was utilised as a tool to identify immunotoxic compounds and to functionally characterize genes and mechanisms involved in chemically_induced perturbations of the immune system.

2) Teaching commissions: Principal lecturer and examiner in immunology, 2002_2007; Lecturer and Supervisor of graduate students in Toxicology, 2003_2004, 2005_2007, Lecturer in Industrial Pharmaceutical Biotechnology, 2005_2007;Tutor and Lecturer in Risk assessment and Toxicology for Baltic students, 2003.

3) Co_PI and immunology content expert in the educational technology project "Virtual interdisciplinary biology education (VIBE)". Http://vibe.stanford.edu

Memberships

Member of the CHMP/CVMP 3Rs Working Party, EMA since March 2022

Member of the CHMP Non-clinical working party since December 2024

Cooperate in my role as Scientific Director at SMPA with the PARERE network and Swedish National Centre for 3R

Other Relevant Information	Contact person at the Swedish Medical Products Agency for 3Rs-related questions.