

## CURRICULUM VITAE

Name: Lasse Sakari MURTOMÄKI

Place and date of birth: Jyväskylä, Finland, 2.7.1961

Affiliation: Associate professor, Aalto University (TKK), Department of Chemistry

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Training: Master of Science (Technology), 1987, TKK, Department of Chemical Engineering

Licentiate of Science (Technology), 1990, TKK, Department of Process and Material Science

Doctor of Science (Technology) 1992, TKK, Department of Process and Material Science

Professional career: Post-grad research fellow, 36 months (1987-90), TKK, Laboratory of Physical Chemistry and Electrochemistry, Neste Foundation

Post-grad and post-doc research fellow, 48 months (1990-94), TKK, Laboratory of Physical Chemistry and Electrochemistry, TEKES, Drug Technology Programme

Post-doc research fellow, 8 months (1994), University of Valencia, Department of Thermodynamics, Spain; EU, Human Capital and Mobility Programme, ERB CHRXCT 920076

Post-doc research fellow, 12 months (1995), University of Limerick, Department of Chemistry, Ireland; EU, Human Capital and Mobility Programme, ERB CHRXCT 920076

Assistant and senior assistant, 7 months in 1996, TKK, Laboratory of Physical Chemistry and Electrochemistry

Academy of Finland, Senior research fellow, 5 years (1996–2001)

Senior assistant, 5 years (1999–2004) (on leave 1999–2001 due to the Academy post), TKK, Laboratory of Physical Chemistry and Electrochemistry

Docent of Drug Delivery Technology since 1.4.2003, TKK, Department of Chemistry

Acting professor 12 months (2006–07), TKK, Laboratory of Physical Chemistry and Electrochemistry

Docent of Physical Pharmacy since 1.6.2009, University of Kuopio, Faculty of Pharmacy

Group Leader at the Centre for Drug Research, University of Helsinki, Faculty of Pharmacy, 2008-2012.

Teaching Researcher, Aalto University (TKK), Department of Chemistry, 2005-2014.

Other activities:

Reviewer of Journal of Electroanalytical Chemistry, Journal of Pharmaceutical Sciences, Journal of Controlled Release, European Journal of Pharmaceutical Sciences, Electrochimica Acta, Langmuir, Journal of Applied Electrochemistry, Journal of Membrane Science

External pre-examiner of Licentiate Thesis of Bror Svarfvar, 1996, Åbo Akademi University, Department of Polymer Technology

External pre-examiner of Ph.D. Thesis of Tarja Kankkunen, 2002, University of Helsinki, Faculty of Pharmacy.

Opponent of Ph.D. Thesis of Vladimir García Morales, 2005, University of Valencia, Department of Thermodynamics

External pre-examiner of Licentiate Thesis of Mari Lundström, 2007, Helsinki University of Technology, Department of Materials Science and Engineering.

Opponent of Ph.D. Thesis of Brice Perruche, Laboratoire d'Electrochimie Physique et Analytique, Ecole Polytechnique Fédérale de Lausanne, 2010

Opponent of Ph.D. Thesis of Rune Hartvig, Department of Pharmaceutics and Analytical Chemistry, University of Copenhagen, 2012

External pre-examiner of Ph.D. Thesis of Liang Huamin, University of Helsinki, Faculty of Pharmacy, 2013.

Opponent of Ph.D. Thesis of Niko Granqvist, University of Helsinki, Faculty of Pharmacy, 2014.

Opponent of Ph.D. Thesis of Elo Kibena, University of Tartu, Institute of Chemistry, Faculty of Science and Technology, 2014.

Tutoring:

Instructor of 8 Master's Thesis, 4 Licentiate's Thesis and 3 Doctoral Theses.

Projects:

Electrochemical study of phospholipid monolayers at immiscible liquid/liquid interface, Academy of Finland, 1996-2001

A virtual pharmacokinetic model of human eye, Academy of Finland, 2010-12

Cell assay and pharmacokinetic model of blood brain barrier for drug discovery and development, 2010-12, TEKES, (partner in consortium)

Light Triggered Nanoparticles, Academy of Finland, Programmable Materials Programme, Consortium coordinator, 2012-2016