

CURRICULUM VITAE

Name:

Lasse Sakari MURTOMÄKI (male)

Place and date of birth:

Jyväskylä, Finland, 2.7.1961

Affiliation:

Associate professor (tenured), Aalto University, Department of Chemistry

Degrees:

- Doctor of Science (Technology) 1992, HUT*, Department of Process and Material Science
- Licentiate of Science (Technology), 1990, HUT, Department of Process and Material Science
- Master of Science (Technology), 1987, HUT, Department of Chemical Engineering

Other training:

- HUT Superior training, 2007
- University of Helsinki, Tutoring of Scientific Work Processes, 5 cr., 2011.
- Aalto, Future Leadership Training, 2013.

Language skills:

Finnish (mother tongue), Swedish (good), English (very good), German, Spanish (elementary)

Professional career:

- Post-grad research fellow, 36 months (1987-90), HUT, Laboratory of Physical Chemistry and Electrochemistry, Neste Foundation
- Post-grad and post-doc research fellow, 48 months (1990-94), HUT, Laboratory of Physical Chemistry and Electrochemistry, TEKES, Drug Technology Programme
- Post-doc research fellow, 8 months (1994), University of Valencia, Department of Thermo-dynamics, 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, HUT, 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), HUT, Laboratory of Physical Chemistry and Electrochemistry

* HUT = Helsinki University of Technology

- Docent of Drug Delivery Technology since 1.4.2003, HUT, Department of Chemistry
- Acting professor 12 months (2006–07), HUT, Laboratory of Physical Chemistry and Electro-chemistry
- Docent of Physical Pharmacy since 1.6.2009, University of Eastern Finland (Kuopio), Faculty of Pharmacy
- Group Leader at the Centre for Drug Research, University of Helsinki, Faculty of Pharmacy, 2008-2012.
- Teaching Researcher, Aalto University (HUT, Aalto), Department of Chemistry, 2005-2014.

Awards:

- HUT, Textbook Award 2008, “Ionic Transport Processes”, Oxford University Press, 2007.
- HUT, Textbook Award 2009, “Sähkökemia”, Kopijyvä, 2008 (textbook of electrochemistry, in Finnish)

Tutoring:

Instructor of 10 Master’s Thesis, 4 Licentiate’s Thesis and 5 Doctoral Theses.

Projects:

- Electrochemical study of phospholipid monolayers at immiscible liquid/liquid interface, Academy of Finland, 1996-2001, FIM 105,000 + Academy position (5 year’s salary)
- A virtual pharmacokinetic model of human eye, Academy of Finland, 2010-12, €254,080
- Cell assay and pharmacokinetic model of blood brain barrier for drug discovery and development, 2010-12, TEKES, (partner in consortium), €15,000
- Light Triggered Nanoparticles (LITRE), Academy of Finland, Programmable Materials Programme, Consortium coordinator, 2012-2016, €301,854
- Light Activated Drug Delivery Systems (LADDS). TEKES, 2016-18 (consortium partner), €192,723
- A!OLE pilot: creating an interactive textbook of electrochemistry, Aalto University 2017, €38,184
- CREDIT, EIT Raw Materials, 2019-2021 (consortium partner), €241,460
- CuBER, H2020 project, 2020-2023 (consortium partner), €224,690

Meetings:

- Chairman of the 6th Baltic Electrochemistry Meeting, Helsinki, June 15-17, 2016.
- Member of the organizing committee of the 16th International Conference on Organized Molecular Films (ICOMF16) - LB16, Helsinki, July 25-28, 2016.

Scientific impact

- Publications in international peer-reviewed journals: 106
- Textbooks: 2
- Chapters in edited textbooks: 2
- Patents: 2
- H index: 25 (Web of Science); 30 (Google Scholar)