

Julia Kallberg

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BIOGRAPHY

Julia obtained a Bachelor's degree in Biology from Lund University in 2016. From there she went to study a master's degree in Environmental Chemistry at University of Copenhagen. She started working with microfluidics during her studies at University of Copenhagen where her master thesis project was about developing a platform to study endocrine disrupting compounds on a microfluidics chip. She is currently working on a PhD project regarding evolution of cancer heterogeneity and drug resistance using droplet based microfluidics.

CURRICULUM VITAE (updated Oct. 2019)

ACADEMICS

2016-2018 Master's Degree in Environmental, University of Copenhagen. Chemistry and toxicology

2013-2016 Bachelors degree in Biology, Lund University

RESEARCH EXPERIENCE

2016 Lund University, Project type: Bachelors Project, 15 ECTS, Supervisor: Emily Baird

2017-2018 University of Copenhagen, Project title: Development of a microfluidic chip for screening of endocrine disrupting compounds, Project type: Masters project, 45 ECTS, Supervisor: Andreas Kretschmann and Jörg Kutter

LABORATORY SKILLS

Biology: Cultivating cells, staining and viability assays. Experience with molecular biology techniques like qPCR, electrophoresis, cell culturing, fixating and staining cells, fluorescence microscopy, immunohistochemistry and ELISA.

Microfluidics: Design and fabrication of thiol-ene chips using double moulding technique. Cell viability assays, oxygen concentration and steroid measurements on chip.

Chemistry technics include: Comparing enzyme kinetics (SN1 and SN2 reactions), titration of acids and bases, purification and recrystallization of organic molecules, Dose-response curves, steroid detection using LC-MSMS.

OTHER SKILLS

Computer: Good knowledge in Microsoft Office, Excel, Autodesk Inventor programs. Some experience in working with ImageJ and MATLAB.

Language: Fluent in Swedish, English and (Norwegian). Basic knowledge in Spanish, Italian.

GENERAL WORK EXPERIENCE

Internship (Ängelholm, Sweden) 2016

Worked as an intern at a Marine Center, Mitt Hav, where I informed and discussed about marine environmental issues with visitors.

RELEVANT COURSEWORK (ECTS)

Biochemistry (7,5)

Inorganic Chemistry (15)

Cell biology and Genetics (30)

Toxicology (7,5)

Human Physiology (15)

Organic Chemistry (7,5)

Air Pollution and Health (7,5)

Chemical Risk Assessment (7,5)