

Curriculum vitae

PERSONAL INFORMATION

Family name, First name: **Dragset, Marte Singsås**

Sex: **Female**

Nationality: **Norwegian**

EDUCATION

- 2013** PhD degree obtained 11.12.2013.
Department of Biotechnology, The Faculty of Technology and Natural Sciences
Norwegian University of Science and Technology (NTNU), Norway
→ Visiting scholar Harvard University, Boston, USA 2010-2012
- 2006** Master degree obtained 25.06.2006
Department of Virology and Microbiology, The Faculty of Health Sciences
University of Tromsø (UiTø), Norway
→ Exchange student Katholieke Universiteit Leuven, Belgium 2005
- 2004** Bachelor degree obtained June 2004
Department of Virology and Microbiology, The Faculty of Health Sciences
UiTø, Norway
→ Exchange student University of Alaska, Fairbanks, USA 2003
- 2000** One-year program in Media and Journalism fulfilled May 2000
Jæren Folk High School, Kleppe, Norway

CURRENT AND PREVIOUS POSITIONS

- 2017-** Researcher
Tuberculosis Experimental Unit, Germans Trias i Pujol Research Institute (Barcelona, Spain) and Centre for Molecular Inflammation Research, NTNU (Trondheim, Norway).
- 2015-2017** Maternity leave
From December 2015 till April 2017
- 2014-2015** Postdoctoral fellow
Centre for Molecular Inflammation Research, The Medical Faculty NTNU, Norway
- 2008- 2013** PhD candidate with 25% teaching duties
Department of Biotechnology, The Faculty of Technology and Natural Sciences
NTNU, Norway
- 2006- 2008** Research Assistant/Technician
Employed by the Norwegian Cancer Society
Department of Virology and Microbiology, The Faculty of Health Sciences
UiTø, Norway
- 2005** Research Assistant
Department of Biological and Biomedical Sciences,
Durham University, United Kingdom
- 2004** Reception Officer

Responsible for international technology trainees working in
Tromsø, Norway
IAESTE Norway

FELLOWSHIPS AND AWARDS

- 2015* Fellowship: Three-year researcher position granted by Marie Skłodowska Curie Action's CO-FUND program with the Norwegian Research Council (FRIPRO Mobility grant)
- 2012* Scholarship: "Funding for Internationalization in Medical Technology 2012" to cover research stay at Harvard University in Boston, USA.
The Faculty of Medicine,
NTNU, Norway
- 2005* Scholarship: From the Flemish government, to cover research stay at Katholieke Universiteit Leuven, Belgium, October – December 2005.
- 2005* Traineeship: "Student Traineeship for Work Experience Abroad" to work at Department of Biological and Biomedical Sciences, Durham University, UK.
IAESTE Norway.

MOBILITY

- 2017-* Visiting Researcher
Pere Joan Cardona's laboratory, Tuberculosis Experimental Unit, Germans Trias i Pujol Research Institute, Barcelona, Spain
- 2010-2012* Visiting Scholar (two full years)
Eric Rubin's Laboratory, Department of Immunology and Infectious Diseases, School of Public Health, Harvard University, Boston, USA

SUPERVISION OF GRADUATE STUDENTS AND RESEARCH FELLOWS

- 2014-* Two Postdocs (My role: project idea, design and discussion of experiments executed by fellow Postdocs)
One PhD student (My role: design and discussion of experiments executed by PhD student)
Four master students and one medical student (My role: project idea and/or design and discussion of experiments executed by master students)
Centre for Molecular Inflammation Research, The Medical Faculty
NTNU, Norway

TEACHING ACTIVITIES

- 2011* Scientific Assistant – Responsible for seminars, giving seminar lectures
Biochemistry
The Faculty of Technology and Natural Sciences
NTNU, Norway
- 2009- 2010* Scientific Assistant – Responsible for laboratory course
Microbiology
The Faculty of Technology and Natural Sciences
NTNU, Norway

2005-2008 Student Assistant – Laboratory course assistant and giving seminar lectures
Genetics
The Faculty of Health Sciences
UiTø, Norway

INSTITUTIONAL RESPONSIBILITIES

2015 Member of Committee
Committee for Arrangement of Institute Seminar 2015
Institute of Cancer Research and Molecular Medicine,
NTNU, Norway

2006-2008 Department Safety Deputy
Health, Safety and Environment Deputy
Department of Virology and Microbiology (60 employees)
UiTø, Norway

2004-2005 Member of Committee
Committee for Admission of Graduate students
UiTø, Norway

2004-2005 Exchange Coordinator
Coordinating exchange of technical student for work abroad
IAESTE Tromsø

2003 Journalist
Utropia Student Newspaper
UiTø, Norway

LIST OF POPULAR SCIENCE AND USER ORIENTED DISSEMINATION

2015 Blog post
Title: “ON THE WORLD TUBERCULOSIS DAY 24 MARCH: The surprising mechanism of a new anti-TB compound”.
#NTNUmedicine, The Medical Faculty, NTNU, Norway

2014 Science Fair Trondheim
Teddybear vaccination office. Raise awareness around the importance of vaccination to children and teenagers.
The Medical Faculty, NTNU, Norway

2012 Guide to visiting school classes
Conduct small experiments, teach and guide school classes of early teenagers visiting our laboratory facilities.
Harvard University, Boston, USA.

RESEARCH INTERESTS / RESEARCH PROFILE

With my early background in eukaryote cell biology (master thesis and research assistant) and a PhD and PostDoc in microbiology, I have generated broad expertise in basic and advanced molecular techniques at DNA, RNA and protein levels in both prokaryotic and eukaryotic systems. After obtaining my PhD, I have initiated and completed projects based on own research ideas, successfully attracted colleagues to join my initiatives and supervised projects. Over time, I

have built a network of collaborators ranging from Boston (USA), Texas (USA), Amsterdam (Netherlands), Barcelona (Spain), Tromsø (Norway) and Trondheim (Norway).

LIST OF PEER REVIEWED PUBLICATIONS

2016

Genome-Wide Transposon Mutagenesis in *Mycobacterium tuberculosis* and *Mycobacterium smegmatis*.

Majumdar G, Mbau R, Singh V, Warner DF, Dragset MS, Mukherjee R.
Methods Mol Biol. 2017;1498:321-335.

2015

Benzoic acid-inducible gene expression in mycobacteria.

Dragset MS, Barczak AK, Kannan N, Mærk M, Flo TH, Valla S, Rubin EJ, Steigedal M,
PLOS ONE 10(9): e0134544. doi:10.1371/journal.pone.0134544.

A novel antimycobacterial compound acts as an intracellular iron chelator.

Dragset MS, Poce G, Alfonso S, Padilla-Benavides T, Ioerger TR, Kaneko T, Sacchetti JC, Biava M, Parish T, Argüello JM, Steigedal M, Rubin EJ. *Antimicrob Agents Chemother*. 2015 Apr;59(4):2256-64. doi: 10.1128/AAC.05114-14.

2014

Mycobacterial Esx-3 requires multiple components for iron acquisition.

Siegrist MS, Steigedal M, Ahmad R, Mehra A, Dragset MS, Schuster BM, Philips JA, Carr SA, Rubin EJ. *mBio*. 2014 May 6;5(3):e01073-14. doi: 10.1128/mBio.01073-14.

2011

BKV agnoprotein interacts with α -soluble N-ethylmaleimide-sensitive fusion attachment protein, and negatively influences transport of VSVG-EGFP. Johannessen M, Walquist M, Gerits N, Dragset M, Spang A, Moens U. *PLoS One*. 2011;6(9):e24489. doi: 10.1371/journal.pone.0024489.

2008

Phosphorylation of human polyomavirus BK agnoprotein at Ser-11 is mediated by PKC and has an important regulative function. Johannessen M, Myhre MR, Dragset M, Tümmler C, Moens U. *Virology*. 2008 Sep 15;379(1):97-109. doi: 10.1016/j.virol.2008.06.007.

2007

Protein kinase D induces transcription through direct phosphorylation of the cAMP-response element-binding protein. Johannessen M, Delghandi MP, Rykx A, Dragset M, Vandenheede JR, Van Lint J, Moens U. *J Biol Chem*. 2007 May 18;282(20):14777-87.