

CURRICULUM VITAE

Anna Orlova, Associate Professor, Ph.D. in Medical Sciences, Ph.D. in Chemistry, Civil engineer, 600501-6842

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Born: May 1, 1960, Moscow, form. Soviet Union
Citizenship: Swedish
Languages: Russian, English, Swedish: fluently.
Civil state: Married. Two children born 1980 and 1985.
Home address: Stenhagsvägen 255, 752 66 Uppsala,
Phone: 018-46 4461

University education

1977-1984 Civil engineer in Chemical Technology, Moscow Institute for Chemical Technology (university status); Speciality: Technology of rear elements

Doctoral degree (year, discipline/subject area):

2003 Doctor of Medical Sciences in Biomedical Radiation Sciences; Faculty of Medicine, Uppsala University, Thesis: "Indirect Radiohalogenation of Targeting Proteins. Labelling Chemistry and Biological Characterisation"
Main supervisor Prof. H.Lundqvist, co-supervisors Prof. J. Carlsson, Assoc. Prof. L. Gädda, Assoc. Prof. J. Capala.

1996 Doctor of Chemical Sciences; Institute of General and Inorganic Chemistry, Russian Academy of Sciences, Moscow, Russia, Thesis: "Complex compounds of divalent lead with polyhedral boronhydrogen anions" Main supervisor Prof. N.T. Kuznetsov, co-supervisor Assoc. Prof. K. A. Solntsev

Postdoctoral work (year and position)

1997-1998 Postdoctoral researcher, Institute of Organic Chemistry, Uppsala University

Qualifications

2013 Reader (Universitetslektor), Faculty of Pharmacy, Uppsala University

2008 Associate Professor (Docent) in Biomedical Radiation Sciences, Uppsala University

Current and previous positions, period of appointment

2013- Reader, Preclinical PET Platform, Department of Medicinal Chemistry, Faculty of Pharmacy, Uppsala University. (Finaced by Personal Young Investigator Award, awarded in national competition by Swedish Cancerfonden, six years).

2011-2013 Researcher, Preclinical PET Platform, Department of Medicinal Chemistry, Faculty of Pharmacy, Uppsala University (Finaced by Personal Young Investigator Award, awarded in national competition by Swedish Cancerfonden, six years).

2009-2011 Researcher, Unit of Biomedical Radiation Sciences, Institute of Radiology, Oncology and Radiation Sciences, Uppsala University (Finaced by Personal Young Investigator Award, awarded in national competition financed by Swedish Cancerfonden, six years).

2003-2008 Guest researcher at Tolmachev V. group at Unit of Biomedical Radiation Sciences, Uppsala University

2003-2009 Senior Researcher, Affibody AB, Bromma
 1999-2003 Ph.D. student at Biomedical Radiation Sciences, Uppsala University
 1997-1998 Postdoctoral researcher, Department of Organic Chemistry, Uppsala University
 1984-1996 Researcher, Institute of General and Inorganic Chemistry, Russian Academy of Sciences, Moscow, Russia

Scientific publications

Totally I have published 121 original papers in peer-reviewed journals (published, in press), 10 invited reviews and book chapters, 1 patent (See Publication list). Of these 38 are published during 2012-2014. First author – 28, senior (last) author– 34, corresponding author – 26. Current *h*-index: 28 (Scopus 2014-11). Sum of Times Cited without self-citations 1745 in 885 articles (Web of Science 2014-11).

External grants awarded in national competition

Knut and Alice Wallenberg, co-applicant, infrastructure grant	27 000 kSEK, 2015-2019
Swedish Cancer Society (Cancerfonden)	600 kSEK/y, 2015-2017
Swedish Research Council (Vetenskapsrådet)	900 kSEK/y, 2013-2015
Swedish Cancer Society (Cancerfonden)	500 kSEK/y, 2012-2014 (+ 300 kSEK for 2012)
Personal position from Swedish Cancer Society (Cancerfonden)	2009-2015
Swedish Research Council (Vetenskapsrådet)	900 kSEK/y, 2010-2012
Swedish Cancer Society (Cancerfonden)	450 kSEK/y, 2009-2011

Significant grants from Uppsala University

Faculty of Pharmacy	750 kSEK/y, 2013-2014
Vice-Chancellor	500 kSEK/y, 2009-2012

Research supervision

Main supervisor for Ph.D. education of:

Jennie Malmberg (thesis defended 08-11-2013)

Zohreh Varasteh (thesis defended 31-10-2014)

Maria Rosenstedt (accepted 2013)

Bogdan Mitran (accepted 2014)

Co-supervisor for Ph.D. education of:

Nordberg, Erika (theses defended 2008)

Tran, Thuy (theses defended 2009)

Ahlgren, Sara (theses defended 2010)

Wällberg, Helena (theses defended 2011)

Altai, Muhamed (thesis defended 2014)

Joanna Strand (accepted 2012, half-time control 3-10-2014)

Hadis Honavar (accepted 2012, half-time passed 13-05-2014)

Javad Garousi (accepted 2013)

Mentor at Young Faculty, Uppsala University

2013 Preparation of applications by young scientists to Swedish Research Council (Vetenskapsrådet)

Supervision of master students O. Rahman, A. Abd Elghafour, T. M. Khan, M. H. Salem, Z. Varasteh, L. Wu, M. Rosestedt, B. Mitran.

Supervision of students from Uppsala Graduate School in Biomedical Research (UGSBR)
 M. Hodik, S. Mångsbo.

Academic leadership

- 2014- Member of Board of Directors for WIPPET (Wallenberg Infrastructure Preclinical PET/MRI at PPP)
- 2011- Member for PPP-planning group
- 2011- Leader of a research group (development of imaging agents for prostate cancer) at Preclinical PET Platform, Uppsala University (published 38 papers)
- 2011-2012 Coordinator of collaboration with EUSA Pharma, USA
- 2010-2012 Coordinator of collaboration with Department of Nuclear Medicine, Radboud University Medical Center, Nijmegen, the Netherlands, in preclinical evaluation of peptide-based radiopharmaceuticals
- 2009-2011 Leader of a research group (development of imaging agents for prostate cancer) at Unit of Biomedical radiation Sciences, Uppsala University (published >20 papers)
- 2009- Member of Technical Advisory Board at Affibody AB
- 2009- Coordinator of collaboration with Ridgeview Instruments AB, Sweden, in development of methods for study protein-protein interactions
- 2009- Coordinator of several research collaboration projects between Uppsala University and Royal Institute of Technology, Stockholm
- 2009 Uppsala Applied Science Lab, GEMS PET Systems, GE Healthcare, Uppsala, Sweden
- 2008- Coordinator of collaboration with CheMatech, France, in radiometallation of peptide-based radiopharmaceuticals
- 2006-2008 Coordinator of collaboration with Radiation Oncology Branch, National Cancer Institute, National Institutes of Health, USA, in radiometallation of peptide-based radiopharmaceuticals
- 2005- Research supervisor of PhD students
- 2003-2008 Coordinator of several research collaboration projects between Affibody AB and Uppsala University and Royal Institute of Technology, Stockholm

Assignments in fields relevant to university functions

- 2014- Responsible for animal experiments in PPP, Pharmaceutical Faculty, Uppsala University (Djur Föreståndare)
- 2014 Member (representing Pharmaceutical Faculty) of working group for medical technique at Uppsala University
- 2014 Member of recruiting group for Institution prefect at Medicinal chemistry.
- 2013- Deputy member (Suppleant) in Swedish Board of Agriculture national committee for laboratory animals issues (Jordbruksverket nationella kommitté för försöksdjurfågor) from Uppsala University
- 2013- Deputy member (Suppleant) in Regional laboratory animal ethics committee in Uppsala
- 2010-2014 Responsible for animal experiments in Radiology, oncology and biomedical radiation sciences (ROS), Medical Faculty, Uppsala University (Djur Föreståndare)
- 2009-2011 Member of the Leading group of the Unit of Biomedical Radiation Sciences

Scientific prizes and awards

- 2011 The annual EANM Springer Prize for the Best Basic Science Paper. (See Publication list)
- 2009 Personal Young Investigator Award, financed by Swedish Cancer

- Society (Cancerfonden)
 2004 Invited speaker award, 7th International Conference of Anticancer research, October 2004, Corfu, Greece.
 2004 Affibody Prize 2004
 1995 Kurnakov stipendium for distinguished young scientists

Membership in editorial boards and peer-reviewing

Member of the editorial board

International Journal of Organic Chemistry
 Scientifica
 BioMed Research International

Peer-reviewing for journals:

Clinical Cancer Research; Cancer Biotherapy & Radiopharmaceuticals; Nature Protocol; European Journal of Nuclear Medicine and Molecular Imaging; European Journal of Nuclear Medicine and Molecular Imaging Research; Cancer Immunology Immunotherapy; Labelled Compounds and Radiopharmaceuticals; Journal of Nuclear Medicine; Journal of Nanomedicine; PLOS One; Amino Acids; Molecular Cancer Therapeutics; Molecular Imaging and Biology; Molecules; Nuclear Medicine and Biology; Computational and Structural Biotechnology Journal

Membership in scientific societies

- 2014- The Swedish Academy of Pharmaceutical Sciences
 2004- International Research group in Immuno-Scintigraphy and Therapy
 2000- International Society for Radiopharmaceutical Sciences
 2000- European Association of Nuclear Medicine

Educational expertise

Education in University pedagogics – 10.6 weeks (Teaching Training Course for Foreign Teachers, 2 w, Course for scientific supervisor, 3 w, part II, Education for supervisors in Ph.D. education in medicine and pharmacy, 0.6 w, University pedagogics, 5 w)

Participation in teaching (lectures, seminars, laborations, supervision of examination projects)

Total	468 h (last 6 y 246 h)
Undergraduate level	88 h
Advanced undergraduate level	286 h
Post-graduate level	60 h
Advanced specialised education	28 h
Individual supervision	170 h

Teaching in courses

<i>Undergraduate level</i>	Nuclide Techniques, Preparative organic chemistry
<i>Advanced undergraduate level</i>	Preparative organic chemistry, Radiopharmaceutical Organic Chemistry, Nuclide production and radiochemistry, Radiochemistry and Radiopharmaceutical Chemistry, Nuclide techniques in Medicine, Preclinical evaluation of new radiotracers, Imaging in medicine, focus on PET, Nuclide diagnostics and therapy
<i>Post-graduate level</i>	Advanced Medical Sciences, Radiolabeling of proteins and peptides for biomedical applications, PET imaging in preclinical development of new radiotracers, Imaging in medicine, focus on PET

Advanced specialised education Nuclide Techniques for Medical Doctors, Molecular Imaging and Diagnostics of Cancer,

Course planning and educational development

- 2013- Responsible for course for master students “Preclinical development of new radiotracers”, 30 hp in Master program “Nuclide techniques in Medicine”, course planning, development, and administration
- 2012- Re-development of Master program “Molecular Imaging” (nowadays “Nuclide techniques in Medicine”)
- 2012- Director of studies at PPP
- 2012 Responsible for course for post-graduate education “Radiolabeling of proteins and peptides for biomedical applications” (5.3 hp), course planning, development, and administration

Pedagogic commendations

- 2013 Master Program “Nuclide techniques in Medicine” was graded as having “very high quality“ in evaluation by Swedish Higher Education Authority (Universitetskanslersämbetet), the only one among 15 evaluated programs.

Experience with working with the surrounding community

- 2014- Uppsala University Hospital (Akademiska), research support in clinical translation of bombesin antagonist for imaging of soft tissue metastases in prostate cancer
- 2013- Deputy member (Suppleant) in Swedish Board of Agriculture national committee for laboratory animals issues (Jordbruksverket nationella kommitté för försöksdjurfågor) from Uppsala University
- 2013- Deputy member (Suppleant) in Regional laboratory animal ethics committee in Uppsala
- 2011- Uppsala University Hospital (Akademiska), research support in clinical translation of affibody molecule $^{111}\text{In}/^{68}\text{Ga}$ -ABY-025 for imaging of HER2 expression in breast cancer patients
- 2011-2012 Coordinator of collaboration with EUSA Pharma, USA
- 2010 Herlev Hospital, Danmark, research support
- 2009- Coordinator of collaboration with Ridgeview Instruments AB, Sweden, in development of methods for study protein-protein interactions
- 2005 Bad Berka Hospital, Germany, research support
2009- Member of Technical Advisory Board at Affibody AB

Others

- 2013- Vice safety officer
- 2011-2013 Responsible for fire protection at PPP
- 1994-1996 Chair-man for local committee on working place environment and hazard risk
- 1993-1996 Chair-man for trade union local board
- 1991-1993 Member of trade union local board

2014, November 15, Uppsala
Anna Orlova