

CV (selected items) for Katrine Åhlström Riklund, 630408

Higher education qualification

1988, Medical Degree, Umeå University(UmU),

Academic Degrees

PhD in 1992 at UmU, Diagnostic Radiology/Nuclear Medicine, *Monoclonal Antibodies Against PLAP and Cytokeratin in Radioimmunoscinigraphy and Radioimmunotherapy*. Main Tutor: Prof Sven Ola Hietala

Associate Professor 1998 at UmU
Full Clinical Professor 2002 at UmU

Specialist certification

1994 Diagnostic Radiology

1997 Nuclear Medicine

Present position

2002- Full Clinical Professor/consultant radiology, UmU/Västerbotten County Council (VLL)

Previous positions

1993-2002 Senior lecturer/Consultant, Radiology and Nuclear Medicine, Umeå

2000-2002 Head of Radiology Department, Umeå University Hospital, VLL

Interruption in research

Mother leave: 1993-01-08 (6 month) 1995-08-1996-01 (6 month)

Supervision of PhD students (Dissertation year)

Tutor	Rauni Rossi Norrlund, Diagnostic Radiology, Umeå Universitet	1997
Co Tutor	Anders Rydh, Diagnostic Radiology, Umeå Universitet	2000
Co Tutor	Anne Larsson, Radiation Physics, Umeå Universitet	2005
Tutor	Torbjörn Sundström, Diagnostic Radiology, Umeå Universitet	2006
Co Tutor	David Eriksson, Immunology, Umeå Universitet	2006
Co Tutor	Ali Sheikholvaezin, Immunology, Umeå Universitet	2006
Co Tutor	Niklas Lenfeldt, Neurologi, Umeå Universitet	2006
Co Tutor	Katarina Kompus, Diagnostic Radiology, Umeå Universitet	2010
Tutor	Katarina Stenman, Diagnostic Radiology, Umeå Universitet	2011
Co Tutor	Jan Linder, Neurology, Umeå Universitet	2012
Tutor	Susanna Jakobson Mo, Diagnostic Radiology	2013
Co Tutor	Therese Lindgren, Immunology, Umeå Universitet	2013

Selected assignment

* 1999-2002 Project leader of introducing picture archiving and radiology information system (PACS/RIS) in VLL.

* 2008-2010 Project leader of building of a complete PET/CT center with cyclotron, tracer chemistry and QA. Project also included training of personnel.

* Since 2010: Medical and radiological management responsibilities for PET/CT at Norrlands University Hospital, Umeå, VLL.

Selected Managements Tasks

1999-2002 Deputy Head of the Department of Radiation Sciences, Umeå University, Sweden
2000-2002 Head of Clinical Department of Radiology, Umeå University Hospital, Sweden
2002-2008 Head of the Department of Radiation Sciences, Umeå University, Sweden
2008-2011 Deputy Dean, Medical Faculty, Umeå University, Sweden
2011-2019 Deputy Head of the Department of Radiation Sciences, Umeå University, Sweden
2011-2017 Director of Medical School, Umeå University, Sweden

Opponent and Examination Board (PhD) (Selection)

2000 Opponent Rimma Axelsson, Karolinska Institute
2002 Opponent Johanna Höglund, Uppsala University
2012 Opponent Chika Suzuki, Karolinska Institute

Delegate in more than twenty examination boards for PhD-degree.

Expert at Appointments (selection)

2006, 2009 Professor Radiology Karolinska Institute
2009 Professor Radiology, Sahlgrenska, Gothenburg
2009 Professor Radiology, Oslo

Evaluator of Research Grant Applications for

2004-2008 Research at Swedish radiation protection authority
2005-2006 The Swedish Research Council
2012-2018 Swedish Cancer Society
2015-2017 The Swedish Research Council

Clinical Trials (ongoing)

Subinvestigator

An openlabel, multicenter, randomized, phase III study to investigate the efficacy and safety of bendamustine compared with bendamustine + RO5072759 (GA101) in patients with rituximabrefractory, indolent NonHodgkin's lymphoma. (Genentech/Roche)

2012

PI

Clinical trial of 131I-IBZM (Eudra CT nr 2009-011748-20)

2009-

PI

Clinical trial of 68Ga-DotaToc (Eudra CT 2013-000370-30)

2015-

Selection of Other Leadership Tasks

1999-2005	Board member of the Swedish Society of Medical Radiology
2002-2003	Board member of the Swedish Society of Nuclear Medicine
2003-2007	President of the Swedish Society of Nuclear Medicine
2006-2011	President of the Swedish Society of Medical Radiology
2004-2007	Swedish delegate in General assembly European Association of Nuclear medicine
2004-2008	Board Member of the Research Council in Swedish Radiation Authority Protection
2004-2009	Member of Alert Advisory Board in the Swedish Council on Technology Assessment in Health Care
2005-2008	The Swedish Delegate in Education Committee, European Society of Radiology
2005-	Board member of the Nordic Society of Medical Radiology
2006-2011	Swedish delegate in General assembly European Society of Radiology
2006-2008	Board member of Education Committee in European Society of Radiology, (ESR)
2006-	Technical advisor in SWEDAC, the Swedish Board for Accreditation and Conformity Assessment
2009-	Board Member Executive Committee, European Society of Radiology (ESR)
2009-2010	Chairman Finance committee, ESR
2009-2017	Delegate of ICRP committee 3
2009-	Delegate EIBIR WG Evidence Based Radiology
2010-	Delegate steering committee, Swedish Bioimaging Network
2010-2015	Ordinary member Congress Committee European Society of Radiology, ESR
2011-	WHO – Special Interest Groups (SIGs) form the functional units for revision of referral guidelines in radiology
2011-	Steering group – regional cancer centre North Region of Sweden
2011-	Board member of the Swedish Society of Medical Radiology
2012-2013	Chairman Acta Radiologica
2012	Ordinary member of the board of Center for medical image science and visualization, CMIV, Linköpings university, Sweden
2013-	Chairperson of the board of, CMIV Linköpings university, Sweden
2014-2015	Vice Chairperson of European Congress of Radiology (ECR)
2015-2016	President of the European Congress of Radiology (ECR)
2015-2019	Member of National Advisory Board for European Spallation Center in Lund, Sweden
2016-2017	Chariperson of the Board of European Society of Radiology (ESR)

Publication list 2011-2015 Katrine Riklund, 630408

1. Peer reviewed original articles

1. Mattsson S, Johansson L, Leide-Svegborn S, Liniecki J, Nosske D, Riklund K, et al. Current activities in the ICRP concerning estimation of radiation doses to patients from radiopharmaceuticals for diagnostic use. *J Phys Conf Ser. IOP Publishing*; 2011;317:12008.
2. Stenman K, Stattin P, Stenlund H, Riklund K, Gröbner G, Bergh A. H HRMAS NMR Derived Biomarkers Related to Tumor Grade, Tumor Cell Fraction, and Cell Proliferation in Prostate Tissue Samples. *Biomark Insights. Libertas Academica*; 2011 Jan;6:39–47.
3. Sundström T, Larsson A, Nyberg L, Riklund K. Influences of Age and Length of Education on rCBF-SPECT in Healthy Elderly: Diagnostic Implications for Dementia. *Int J Clin Med. Scientific Research Publishing*; 2011;2(2):143–57.
4. Sherif AM, Eriksson E, Thörn M, Vasko J, Riklund K, Ohberg L, et al. Sentinel node detection in renal cell carcinoma. A feasibility study for detection of tumour-draining lymph nodes. *BJU Int*. 2011 Aug 24;
5. Andersson J, Karpe F, Sjöström L-GG, Riklund K, Söderberg S, Olsson T. Association of adipose tissue blood flow with fat depot sizes and adipokines in women. *Int J Obes. Nature Publishing Group*; 2012 Jun 26;36(6):783–9.
6. Ekman U, Eriksson J, Forsgren L, Mo SJ, Riklund K, Nyberg L. Functional brain activity and presynaptic dopamine uptake in patients with Parkinson's disease and mild cognitive impairment: a cross-sectional study. *Lancet Neurol. Elsevier Ltd*; 2012 Jun 26;11(8):679–87.
7. Lindgren T, Stigbrand T, Riklund K, Johansson L, Eriksson D. Gene expression profiling in MOLT-4 cells during gamma-radiation-induced apoptosis. *Tumor Biol. Springer*; 2012 Feb 10;1–12.
8. Nyberg L, Löven M, Riklund K, Lindenberger U, Bäckman L, Lo M, et al. Memory aging and brain maintenance. *Trends Cogn Sci*. 2012 May;16(5):292–305.
9. Contribution S. Multimodality Imaging Training Curriculum - Parts II and III. *Insights Imaging*. 2012 Jun;3(3):191–6.
10. Larsson A, Jakobson Mo S, Riklund K. Rotation radius dependence of ¹²³I-FP-CIT and ¹²³I-IBZM SPECT uptake ratios –A Monte Carlo study. *J Nucl Med Technol*. 2012;40:249–54.
11. Jakobson Mo S, Larsson A, Linder J, Birgander R, Edenbrandt L, Stenlund H, et al. ¹²³I-FP-Cit and ¹²³I-IBZM SPECT uptake in a prospective normal material analysed with two different semiquantitative image evaluation tools. *Nucl Med Commun*. 2013 Oct;34(10):978–89.
12. Mo SJ, Larsson A, Johansson L, Stenlund H, Forsgren L, Riklund K, et al. Cross-camera comparison of ROI-based semi-quantitative ¹²³I-IBZM SPECT data in healthy volunteers using an anthropomorphic phantom for calibration. *Acta Radiol*. 2013 Mar 5;(March):1–8.
13. Asklund T, Henriksson R, Axelsson J, Bergström A, Kasper M, Ogren M, et al. Early and persisting response to vismodegib in a patient with bone metastasizing medulloblastoma. *Acta Oncol*. 2013 May 27;52(4):1–4.
14. Larsson A, Johansson A, Axelsson J, Nyholm T, Asklund T, Riklund K, et al. Evaluation of an attenuation correction method for PET/MR imaging of the head based on substitute CT images. *Magn Reson Mater Physics, Biol Med*. 2013;26(1):127–36.
15. Jakobson Mo S, Linder J, Forsgren L, Holmberg H, Larsson A, Riklund K. Pre- and postsynaptic dopamine SPECT in idiopathic Parkinsonian diseases: a follow-up study. *Biomed Res Int*. 2013 Jan;2013:143532.

16. Wallstén E, Axelsson J, Sundström T, Riklund K, Larsson A. Subcentimeter Tumor Lesion Delineation for High-Resolution 18F-FDG PET Images: Optimizing Correction for Partial-Volume Effects. *J Nucl Med Technol.* 2013 May 8;1–7.
17. Strandberg S, Karlsson C, Sundström T, Ögren MM, Ögren MM, Axelsson J, and Riklund K. 11 C-acetate PET/CT in pre-therapeutic lymph node staging in high-risk prostate cancer patients and its influence on disease management - a retrospective study. *EJNMMI Res. Springer;* 2014 Oct 9;4(1):55.
18. Gustafsson A, Karlsson H, Nilsson K a, Geijer H, Olsson A. A visual grading study for different administered activity levels in bone scintigraphy. *Clin Physiol Funct Imaging.* 2014 May 4;1–6.
19. Lindgren T, Stigbrand T, Johansson L, Riklund K, Eriksson D. Alterations in Gene Expression During Radiation-Induced Mitotic Catastrophe in HeLa Hep2 Cells. *Anticancer Res.* 2014 Aug;34(8):3875–80.
20. Jonasson LS, Axelsson J, Riklund K, Braver TS, Ogren M, Bäckman L, et al. Dopamine release in nucleus accumbens during rewarded task switching measured by [(11)C]raclopride. *Neuroimage. The Authors;* 2014 May 23;99C:357–64.
21. Asklund T, Sandström M, Shahidi S, Riklund K, Henriksson R. Durable stabilization of three chordoma cases by bevacizumab and erlotinib. *Acta Oncol.* 2014 Jan 23;(November 2013):1–5.
22. Brolin G, Edenbrandt L, Granerus G, Olsson A, Afzelius D, Gustafsson A, Jonsson C, Hagerman J, Johansson L, Riklund K, Ljungbeg M. The accuracy of quantitative parameters in ^{99m}Tc-MAG3 dynamic renography: a national audit based on virtual image data. *Clin Physiol Funct Imaging.* 2016 Mar;36(2):146–54.
23. Sardanelli F, Helbich T, Hunink M, Malone DE, Petersen LJ, Riklund K, et al. The Role of Imaging Specialists as Authors of Systematic Reviews on Diagnostic and Interventional Imaging and Its Impact on Scientific Quality : Report from the EuroAIM Evidence- based Radiology Working Group 1. *Radiology.* 2014;272(2):533–40.
24. Lindgren T, Stigbrand T, Råberg A, Riklund K, Johansson L, Eriksson D. Genome wide expression analysis of radiation-induced DNA damage responses in isogenic HCT116 p53+/+ and HCT116 p53–/– colorectal carcinoma cell lines. *Int J Radiat Biol.* 2015;91(1):99–111.
25. Mattsson S, Johansson L, Leide Svegborn S, Liniecki J, Noßke D, Riklund KÅ, Stabin M, Taylor D, Bolch W, Carlsson S, Eckerman K, Giussani A, Söderberg L, Valind S;. Radiation Dose to Patients from Radiopharmaceuticals: a Compendium of Current Information Related to Frequently Used Substances. *Ann ICRP.* 2015 Jul;44(2 Suppl):7–321
26. Nevalainen N, Riklund K, Andersson M, Axelsson J, Ögren M, Lövdén M, Lindenberger U, Bäckman L, Nyberg L. COBRA: A prospective multimodal imaging study of dopamine, brain structure and function, and cognition. *Brain Res.* 2015 Jul 1;1612:83–103.
27. Trägårdh E, Ljungberg M, Edenbrandt L, Örndahl E, Johansson L, Gustafsson A, Jonsson C, Hagerman J, Riklund K, and Minarik D. Evaluation of inter-departmental variability of ejection fraction and cardiac volumes in myocardial perfusion scintigraphy using simulated data. *EJNMMI Phys.* 2015 Dec;2(1):2.

Review articles

Contribution S. Multimodality Imaging Training Curriculum - Parts II and III. *Insights Imaging*. 2012 Jun;3(3):191–6.

Nyberg L, Löven M, Riklund K, Lindenberger U, Bäckman L. Memory aging and brain maintenance. *Trends Cogn Sci*. 2012 May;16(5):292–305.

Mattsson S, Johansson L, Leide-Svegborn S, Linecki J, Nosske D, Riklund K, et al. Current activities in the ICRP concerning estimation of radiation doses to patients from radiopharmaceuticals for diagnostic use. *J Phys Conf Ser*. 2011;317:12008.

Riklund KA. PET/CT: nuclear medicine imaging in the future. *Radiat Prot Dosimetry*. 2010;139(1-3):8–11.

Ahlstrom Riklund K. NYA RON-Datortomografi-mer nytta an risk. *Lakartidningen*. 2008;105(23):1744

Selection of Books and book chapters

Nuklearmedicin, Studentlitteratur 2013, Editor och kapitelförfattare

Eriksson D, Riklund K, Johansson L, Stigbrand T. Radiation induced cell deaths. *Target Radionucl Tumor Ther*. 2008;:215–248.

Eriksson D, Riklund K, Johansson L, Stigbrand T. Cancer Stem Cells and Radiation. *Target Radionucl Tumor Ther*. 2008;:285–293.

Stigbrand T, Eriksson D, Riklund K, Johansson L. Therapeutically used targeted antigens in radioimmunotherapy. *Target Radionucl Tumor Ther*. 2008;:13–23.

Stigbrand T, Eriksson D, Riklund K, Johansson L. Targeting Tumours with Radiolabeled Antibodies. *Target Radionucl Tumor Ther*. 2008;:59–76.