

Curriculum Vitae

Jan Grimm, MD, PhD

A General Information:

Place of Birth: Hamburg, Germany
Date of Birth: 11/28/1968
Languages: English, German (both fluent)
Gender: Male

Current address: Sloan Kettering Institute
Molecular Pharmacology and Chemistry Program
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B Education:

<i>Degree</i>	<i>Institution name and location</i>	<i>Dates attended</i>	<i>Year awarded</i>
MD	University of Hamburg Hamburg, Germany	10/01/1988-11/27/1995	1996
PhD	University of Schleswig-Holstein Kiel, Germany (Habilitation)	07/01/1997-12/31/2001	2005

C Professional Positions and Employment

1. Training

<i>Title</i>	<i>Institution name and location</i>	<i>Dates held</i>
Intern	University of Hamburg, Germany	12/1995-05/1997
Resident	Radiology, University of Kiel, Germany	07/1997-12/2001
Research Fellow	Center for Molecular Imaging Research, MGH, Harvard Medical School, Boston, MA	01/2002-12/2003
Clinical Fellow	Body Imaging, Dept. of Radiology, MSKCC, New York, NY	10/2006-12/2007
Resident	Nuclear Medicine, Dept. of Radiology, MSKCC, New York, NY	01/2007 – 06/2009

2. Academic Positions

<i>Title</i>	<i>Institution name and location</i>	<i>Dates held</i>
Instructor	Dept. of Radiology, MGH, Harvard Medical School, Boston, MA	01/01/2004 – 6/30/2006

Assistant Member	Molecular Pharmacology and Chemistry SKI, New York, NY	07/2009 - current
Assistant Attending	Department of Radiology Memorial, New York, NY	07/2009 - current
Assistant Professor	Department of Radiology Cornell University, NY	08/2009 - current
Assistant Professor	Gerstner Sloan-Kettering Grad. School of Biomedical Science	09/2009 - current

D Licensure, Board Certification

1. Licensure

<i>State</i>	<i>Date of issue</i>	<i>Date of last registration</i>
NY	January 2009	January 2009
Germany	1997	n.a.

2. Board Certification

<i>Full name of Board</i>	<i>Certificate #</i>	<i>Date</i>
Diagnostic Radiology (Germany)	n.a.	November 2001
Nuclear Medicine (ABNM)	07840	December 2009

E Professional Memberships

<i>Role</i>	<i>Society</i>	<i>Year</i>
Corresponding Member	European Congress of Radiology	1997
Committee, Member	Deutsche Röntgengesellschaft (DRG)	1997
Member	Society of Molecular Imaging (SMI)	2002
Member	Radiological Society of North America	2005
Member	Society of Nuclear Medicine	2009
Member	American Association for Cancer Research	2010

F Honors and Awards:

<i>Name of Award</i>	<i>Year</i>
Research Award, Dept. of Radiology, University of Kiel	2001
Soc. of Molecular Imaging Young Investigator Travel Award	2004

G Bibliography:

1. Peer reviewed articles

(* shared first authorship)

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- Santra S, Kaittanis C, **Grimm J**, Peres JM (2009) Drug/Dye-Loaded, Multifunctional Iron Oxide Nanoparticles for Combined Targeted Cancer Therapy and Dual Optical/MR-Imaging. *Small* 5(16): 1862-8
- Perez JM*, **Grimm J***, Lee Josephson, Ralph Weissleder (2008) Integrated nanosensors to determine levels and functional activity of human telomerase. *Neoplasia* 10(10) :1066-72
- Grimm J**, Hricak H (2008) Imaging in Urology – Looking forward. *Curr Opin Urol* 18(1):61-4
- Kircher M, **Grimm J**, Filip K, Swirski, Peter Libby, Robert E. Gerszten, Jennifer R. Allport, Ralph Weissleder (2008) Noninvasive in vivo imaging of monocyte trafficking to atherosclerotic lesions. *Circulation* 117(3):388-95
- Pittet M*, **Grimm J***, Berger CR*, Tamura T, Wojtkiewicz G, Nahrendorf M, Romero P, Swiski P, Weissleder R (2007) In vivo imaging of T cell delivery to tumors after adoptive transfer therapy. *Proc Nat Acad Science* 104(30): 12457
- Kirsch DG, Dinulescu DM, Miller JB, **Grimm J**, Santiago PM, Young NP, Nielsen GP, Quade BJ, Chaber CJ, Schultz CP, Takeuchi O, Bronson RT, Crowley D, Korsmeyer SJ, Yoon SS, Hornicek FJ, Weissleder R, Jacks T (2007) A Spatially- and Temporally-Restricted Mouse Model of Soft Tissue Sarcoma. *Nature Medicine* 13(8): 992
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- Campanella GS, **Grimm J**, Manice LA, Colvin RA, Medoff BD, Wojtkiewicz GR, Weissleder R, Luster AD (2006) Oligomerization of CXCL10 Is Necessary for Endothelial Cell Presentation and In Vivo Activity. *J Immunol.* 2006 Nov 15;177(10):6991-8
- Tannous B*, **Grimm J***, Perry KF, Chen JW¹, Ralph Weissleder R, Breakefield XO (2006) Metabolic biotinylation of cell surface receptors for *in vivo* imaging. *Nature Methods* 3(5): 391-396
- Rabin O, Perez JM, **Grimm J**, Wojtkiewicz G, Weissleder R (2006) An x-ray CT imaging agent based on long circulating bismuth sulfide nanoparticles. *Nature Materials* 5(2): 118 - 122
- Zacharakis G, Kambara H, Shih H, Ripoll J, **Grimm J**, Saeki Y, Weissleder R, Ntzia-christos V (2005) Volumetric tomography of fluorescent proteins through small animals in-vivo. *Proc Nat Acad Science* 102 (51): 18252-18257

- Grimm J***, Kirsch DG*, Windsor SD, Bender Kim CF, Santiago PM, Ntziachristos V, Jacks T, Weissleder R (2005) Use of Gene Expression Profiling to Direct In Vivo Molecular Imaging of Lung Cancer. *Proc Nat Acad Science* 102 (40): 14404-14409
- Montet A, Ntziachristos V, **Grimm J**, Weissleder R (2005) Quantitative 3D fluorescence mapping of tumors. *Cancer Research* 65: 6330-6336
- Grimm J**, and Wunder A (2004): [Current status of molecular imaging.] *Rofo Fortschr Geb Rontgenstr Neuen Bildgeb Verfahr.* 2004 177:326-337
- Moore A, **Grimm J**, B Han, P Santamaria (2004) Tracking the recruitment of diabetogenic Cd8+ T-cells to the pancreas in real time *Diabetes* 53(6):1459-66
- Grimm J**, Perez M, Josephson L, Weissleder R (2004) Novel nanosensors for rapid detection of telomerase activity *Cancer Research* 64: 639-43
- Wunder A, **Grimm J**, Müller-Ladner U (2003) Molekulare Bildgebung bei rheumatoider Arthritis [Molecular Imaging in rheumatoid arthritis]. *Z Rheumatol* 62 (Suppl 2) II/1-II/4
- Grimm J**, Potthast A, Wunder A, Moore A (2003) Magnetic resonance imaging of the pancreas and pancreatic tumors in a mouse orthotopic model of human Cancer. *Int J Cancer* 106: 806-11
- Muller-Hulsbeck S, Dimitte DN, Jahnke T, Hedderich J, **Grimm J**, Heller M (2003). [In-vitro comparison of the effectiveness of different high-speed rotatory catheters]. *Rofo Fortschr Geb Rontgenstr Neuen Bildgeb Verfahr* 175(3): 406-12.
- Muller-Hulsbeck S, Jahnke T, Liess C, Glass C, **Grimm J**, Heller M (2003). Comparison of various cerebral protection devices used for carotid artery stent placement: an in vitro experiment. *J Vasc Interv Radiol* 14(5): 613-20.
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- Grimm J**, Brunn H, Heller M, Mueller-Huelsbeck S (2003). Hemolytic effect of deformed intra-arterial stents and stent grafts in vitro. *Eur Radiol* 13(6): 1333-8.
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- Grimm J**, Karger N, Lusse S, Winoto-Morbach S, Krisch B, Muller-Hulsbeck S, Heller M (2000). Characterization of ultrasmall magnetite [correction of paramagnetic magnetite] particles as superparamagnetic contrast agents in MRI. *Invest Radiol* 35(9): 553-6.
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- Muller-Hulsbeck S, Bathe M, **Grimm J**, Heller M (1999). Enhancement of in vitro effectiveness for hydrodynamic thrombectomy devices. Simultaneous high-pressure rt-PA application. *Invest Radiol* 34(8): 536-42.

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- Grimm J**, Zeller W, Zander AR (1995). Separation and characterization of mobilized and unmobilized peripheral blood progenitor cells by counterflow centrifugal elutriation. *Exp Hematol* 23(6): 535-44.

2. Book Chapters

- Grimm J**. Combination of SPECT and CT. In: Ntziachristos V (ed) *Textbook of in-vivo imaging in vertebrates*. Willey & Sons, London (in press)
- Grimm J**, Hengerer A, Schultz CP, Wunder A (2005). *Molecular Imaging*. In: Oppelt A (ed.) *Imaging systems for medical diagnostics*. Publicis MCD Verlag, Erlangen (in press)
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- Zander AR, **Grimm J**, Zeller W (1994) Separation of peripheral blood stem cells by counterflow centrifugal elutriation. In: *Molecular Biology of Hematopoiesis Volume 3. Proceedings of the 8th Symposium on Molecular Biology of Hematopoiesis held at the Basel Convention Center*(New York Medical College, Basel Switzerland, 9-13 July 1993, Intercept Ltd, Andover, UK

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Stockschräder M, **Grimm J**, Hassan HT, Arland M, Lölliger C, Clausen J, Horstmann M, Kabisch H, Zander AR (1998) Antithymocyte Globulin as part of the pretransplant conditioning regimen may reduce transplant-related morbidity and mortality in Chronic Myelogenous Leukemia patients undergoing allogeneic bone marrow transplantation. In: Acute Leukemia VII. Experimental Approach and Novel Therpies. Hiddemann W, Büchner T, Wörmann B, Ritter J, Creutzig U, Keating M, Plunkett W (Eds.). Springer Verlag Berlin, Heidelberg, New York

3. Dissertations

Grimm J (2005) Molekulare Bildgebung mit Magnetresonanztomographie und Eisenoxidpartikeln: Neue Möglichkeiten in der radiologischen Diagnostik [Molecular Imaging with magnetic resonance imaging and iron oxide particles: new horizons for Radiology]. Habilitation, University of Kiel, Germany

Grimm J (1997) Counterflow Centrifugal Elutriation (CCE) von Knochenmark, Stammzellseparations- und Leukaphereseprodukten zur T-Zell-Depletion sowie zur Anreicherung und Charakterisierung CD34-positiver Zellen. [Counterflow Centrifugal Elutriation (CCE) of bone marrow, stem cell separations and leucapheresis products for T-cell depletion as well as for the enrichment and characterization of CD34-pos. Cells.] Dissertation, Universität Hamburg

4. Invited Talks

Molecular Imaging of prostate cancer (2009) Symposium on Novel Tools for Risk Assessment and Early Detection of Premalignant Lesions and Cancer, German Cancer Society, Bonn, Germany

PET/CT – Current and future clinical applications (2009) European Congress of Radiology, Vienna, Austria

Molecular Imaging – Gate to the future (2008) Pelican Colloquium on Focal Therapy for Prostate Cancer, Basingstoke, UK

Molecular Imaging in Cancer Research and beyond (2007) Blankenese Konferenz 2007, Hamburg, Germany

Molecular Imaging: Future Impact on Radiology (2007) 7th biennial international symposium of the international society for strategic studies in Radiology, Munich, Germany

Trends in Molecular Imaging (2006) Molecular Imaging 2006, Jena, Germany

Molecular Imaging with nanoparticles (2006) 1st. International symposium on nanoparticles, San Diego, CA

Molekulare Bildgebung mit MRT (2003) 20th MR Symposium, Technische Universität München,
Munich, Germany

Molecular Imaging mittels MRT und superparamagnetischen Nanopartikeln. (2003) Workshop at
the 84th meeting of the German Röntgengesellschaft, Wiesbaden, Germany

New Horizons in Molecular Imaging (2003) Symposium on Cancer and Photonics, Heidelberg,
Germany