

Curriculum Vitae

Personal

Name, first name	Stokking, Rik
Address	4263 St. Urbain, apt 3 Montréal, H2W 1V6 Canada
Date of Birth	July 22, 1965
Place of Birth	Vlaardingen, The Netherlands
Status	Married
Children	2
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Education

August 1977	High School: Groevenbeek, Ermelo.
August 1983	Technical Physics, Technical University Twente.
August 1984	Medical Biology at the University of Utrecht. Project: "Percept of motion: Recruitment, interaction, or ..." under supervision of Prof. W.A. van de Grind, Comparative Physiology. Master's Thesis: "Quantitative Analysis of Doppler Blood Velocity Waveforms by means of a Personal Computer" under supervision of Prof. R.M. Heethaar.
September 1990	Military service as ROAG (second lieutenant) at the Institute of Environmental Health (RIVM), de Bilt. Study on Hantaanvirus.
November 1991	Clinical projects: "Segmentation and visualization of liver(veins) from MRI data" (1-3) and "Inventory of Abdominal Aortic Aneurysms using CTA data" (4). PhD. student at the Image Sciences Institute, University Medical Center Utrecht under the supervision of K.J. Zuiderveld and Prof. M.A. Viergever. Programme: "Integrated visualization of functional and anatomical medical data" (5-21).
April 1998	Postdoctoral Associate and Associate Research Scientist at Diagnostic Radiology, Yale Medical School, Professor I. George Zubal. Primary tasks: 3D visualization of SPECT difference data with MR images for epilepsy surgery (22-36), and interface final-report & patient images to the Neurology and Neurosurgery Groups in the Epilepsy Center. Other: - technical support for imaging, processing and visualization of the clinical data, - systems administrator for 5 Windows NT/ Linux PC's.
July 2000	Associate Research Scientist at the Brain Imaging Center of the Montreal Neurological Institute, McGill University, Montréal, Canada. Supervisor Prof. A.C. Evans. Primary tasks: Improve the Human (Digital) Brain Phantom and simulations, and (automatic) analysis of MRI brain data of 800 normals.
July 2001	

References

- Prof. M.A. Viergever, Image Sciences Institute, University Medical Center Utrecht, Room E 01.334, Heidelberglaan 100, 3584 CX Utrecht, the Netherlands. M.A.Viergever@isi.uu.nl, Phone: +31 30 250 7772.
- Prof. I.G. Zubal, Diagnostic Radiology, Yale Medical School, 332 BML, 333 Cedar Str., New Haven, CT 06520, USA. George.Zubal@Yale.Edu, Phone: +203 785 2427.
- Prof. A.C. Evans, Brain Imaging Center, Webster 2b, Montréal Neurological Institute/ McGill University, Montréal, H3A 2B4 Canada. Alan.Evans@bic.mni.mcgill.ca, Phone: +514 398 8925.

Publications

- (1) Van Leeuwen M. S, Stokking R, van Meurs H. G, van Es H. W, Dillon E. H, Feldberg M. A. Liver anatomy: Protocol for 3D evaluation. *RSNA 1992, exhibit 09-002*, 1992.
- (2) Stokking R, van Meurs H. G, van Leeuwen M. S, van Es H. W, Viergever M. A. A protocol for analysis and visualization of MRI liver data. In Lemke H. U, Inamura K, Jaffe C, Felix R, editors, *Computer Assisted Radiology '93*, pages 420–425. Springer-Verlag Berlin, 1993.
- (3) Van Leeuwen M. S, Fernandez M. A, van Es H. W, Stokking R, Dillon E. H, Feldberg M. A. Variations in venous and segmental anatomy of the liver: Two- and three-dimensional MR imaging in healthy volunteers. *Am J Roentgenol*, June 1994, pages 1337–1345.
- (4) Balm R, Stokking R, Kaatee R, Blankensteijn J. D, Eikelboom B. C, van Leeuwen M. A. Computed Tomographic Angiographic imaging of abdominal aortic aneurysms: Implications for Transfemoral Endovascular Aneurysm Management. *J Vasc Surg*, August 1997, 26(2):231–237.
- (5) Viergever M. A, van den Elsen P. A, Stokking R. Integrated presentation of multimodal brain images. *Brain Topogr*, 1992, 5(2):135–145.
- (6) Stokking R, Zuiderveld K. J, Hulshoff Pol H. E, Viergever M. A. Integrated visualization of SPECT and MR images for frontal lobe damaged regions. In Robb R. A, editor, *Visualization in Biomedical Computing 1994*, pages 282–290. Proc. SPIE Vol. 2359, SPIE Press Bellingham WA, 1994.
- (7) Viergever M. A, Maintz J. B. A, Stokking R, van den Elsen P. A, Zuiderveld K. J. Matching and integrated display of brain images from multiple modalities. In Loew M. H, editor, *Medical Imaging: Image Processing*, pages 2–13. Proc. SPIE Vol. 2434, SPIE Press Bellingham, WA, 1995.
- (8) Zuiderveld K. J, Stokking R, Viergever M. A. Integrated visualization of quantitative information with anatomical surfaces. In Lemke H. U, Inamura K, Jaffe C, Vannier M, editors, *Computer Assisted Radiology '95*, pages 195–200. Springer-Verlag Berlin, 1995.
- (9) Zuiderveld K. J, Koning A. H. J, Stokking R, Maintz J. B. A, Appelman F. J. R, Viergever M. A. Multi-modality visualization of medical volume data — our techniques, applications, and experiences. *Comput Graph*, December 1996, 20(6):775–791.
- (10) Viergever M. A, Maintz J. B. A, Stokking R. Integration of functional and anatomical brain images. *Biophys Chem*, October 1997, 68:207–219.
- (11) **Stokking R, Zuiderveld K. J, Hulshoff Pol H. E, van Rijk P. P, Viergever M. A. Normal Fusion for three-dimensional integrated visualization of SPECT and magnetic resonance brain images. *J Nucl Med*, April 1997, 38(4):624–629.**
- (12) ter Haar Romeny B. M, Zuiderveld K. J, van Waes P. F, van Walsum T, van der Weide R, Weickert J, Stokking R, Wink O, Kaitzin S, Maintz T, Zonneveld F, Viergever M. A. Advances in three-dimensional diagnostic radiology. *J Anat*, 1998, 193:363–371.
- (13) Stokking R. *Integrated Visualization of Functional and Anatomical Brain images*. PhD thesis, Utrecht University, the Netherlands, 1998.
- (14) Stokking R, Vincken K. L, Viergever M. A. Fully Automatic Brain Segmentation from MRI-T1 data. In *Proceedings of the ISMRM, Sixth scientific meeting and exhibition*, page 291, 1998.
- (15) Stokking R, Buitelaar J. K, van Isselt J. W, Meiners L. C, Viergever M. A. Interpretation of 3D fusion of clinical SPECT and MR brain images. *NeuroImage*, May 1998, 7(4):S278.
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- (17) Stokking R, van Isselt J. W, van Rijk P. P, de Klerk J. M. H, Huiskens A. W. L. C, Mertens I. J. R, Buskens E, Viergever M. A. Integrated visualization of functional and anatomic brain data: A validation study. *J Nucl Med*, April 1999, 40(2):311–316.
- (18) Stokking R, Vincken K. L, Viergever M. A. Automatic morphology-based brain segmentation (MBRASE) from MRI-T1 data. *NeuroImage*, 2000, 12:726–738.
- (19) Stokking R, Zuiderveld K. J, Viergever M. A. Integrated volume visualization of functional image data and anatomical surfaces using Normal Fusion. *Hum Brain Map*, 2001. in press.
- (20) Viergever M. A, Maintz J. B. A, Niessen W, Noordmans H, Pluim J. P. W, Stokking R, Vincken K. L. Registration, segmentation, and visualization of multimodal brain images. *Comput Med Imma Graph*, March 2001, 25:147–151.
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- (35) **Stokking R, et al. Evolution of cortical perfusion changes in epilepsy. manuscript in preparation.**
- (36) **Stokking R, et al. SPECT difference analysis for localization of language activity: correlation with fMRI. manuscript in preparation.**

Special

- (11) J Nucl Med 1997 paper: Figure selected as cover illustration.
- (19) Hum Brain Map 2001 paper: Figure selected as cover illustration.