

# Curriculum Vitae

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## Prof. Vasilis Ntziachristos M.Sc. Ph.D.

Institute for Biological and Medical Imaging (IBMI), Helmholtz Centre Munich

Chair of Biological Imaging (CBI), Technische Universität Munich

Phone: +49 89 3187 1237

### Education

- 2000 Ph.D. Degree, Department of Bioengineering, University of Pennsylvania, Philadelphia, PA
- 1998 M.Sc. Degree, Department of Bioengineering, University of Pennsylvania, Philadelphia, PA
- 1988–1993 Diploma School of Electrical and Computer Engineering, Aristotle University, Thessaloniki, Greece

### Professional Experience

- Since 2007 Professor and Chair of Biological Imaging, Technical University of Munich and Helmholtz Centre Munich, Germany
- 2002–2007 Assistant in Imaging, Massachusetts General Hospital Boston, MA, USA
- 200 –2007 Assistant Professor, Harvard University, School of Medicine, Boston, MA, USA
- 2001–2001 Instructor, Harvard University, School of Medicine, Boston, MA, USA
- 1995–2000 Research Assistant, Department of Biophysics, University of Pennsylvania, PA, USA
- 1994–1995 Research Fellow, NMR Center, The Panum Institute, University of Copenhagen, Denmark

### Selected Honours/Awards

- 2013 Gottfried Wilhelm Leibniz Prize, Deutsche Forschungsgemeinschaft (DFG), Germany
- 2011 Distinguished Basic Scientist Award, Academy of Molecular Imaging

- 2011 Erwin Schrödinger Prize, Helmholtz Association of National Research Centres, Germany
- 2010 GO-Bio Innovation Award, Federal Ministry of Education and Research (BMBF), Germany
- 2009 Heinz Maier-Leibnitz Medal, Technische Universität Munich
- 2008 European Research Council ERC Advanced Investigator Award
- 2008 Medical Technology Innovation Award, Federal Ministry of Education and Research (BMBF), Germany
- 2004 MIT Technology Review TR100 list for world's top young innovators
- 2002 Radiological Society of North America – Toshiba Medical Systems Seed Award
- 2001 S.R Pollack Award for most original and cutting-edge research in bioengineering, University of Pennsylvania
- 1999 United Engineering Foundation (UEF) Conference Fellowship for best paper
- 1997 American Society for Lasers in Medicine and Surgery (ASLMS) Research Grant
- 1994 Danish Rectors Conference scholarship
- 1994 Lilian Voudouris Foundation award for outstanding achievements in studies
- 1993 Technical Chamber of Greece (TEE) honour award for ranking first in graduation
- 1988–1993 Annual scholarships from the Greek National Scholarship Foundation (IKY) for excellent performance in studies

### Publication Highlights of the last five years

(from more than 200 peer-reviewed publications)

- Ale A, Ermolayev V, Herzog E, Cohrs C, de Angelis MH, Ntziachristos V. “FMT-XCT: in vivo animal studies with hybrid fluorescence molecular tomography-X-ray computed tomography” *Nat Methods*, 9(6); 615-620 (2012).
- Van Dam G., Themelis G., Crane LMA, Harlaar NJ., Pleijhuis RG., Kelder W., Sarantopoulos A., Bart J., Low PS., Ntziachristos V., “Intraoperative Tumor-Specific Fluorescent Imaging in Ovarian Cancer by Folate Receptor- $\alpha$  Targeting: First In-Human Results”, *Nature Medicine*, 17(10): 1315-9 (2011).
- Jaffer FA, Calfon MA, Rosenthal A, Mallas G, Razansky R., Mauskopf A, Weisleder R., Libby P, Ntziachristos V. “Two-Dimensional Intravascular Near-Infrared Fluorescence Molecular Imaging of Inflammation in Atherosclerosis and Stent-Induced Vascular Injury” *J. American College of Cardiology*. 57(25); 2516-26 (2011).

- Ntziachristos V, Razansky D. “Molecular imaging by means of multi-spectral opto-acoustic tomography (MSOT)” *ACR Chemical Review*, 110(5): 2783-2794 (2010).
- Ntziachristos V. “Going deeper than optical microscopy: High resolution photonic molecular imaging for next generation biology” *Nature Methods*, 7(8): 603-614, (2010).
- Razansky D, Vinegoni C, Distel M, Ma R, Perrimon N, Koster RW, Ntziachristos V. “Multispectral opto-acoustic tomography of deep-seated fluorescent proteins in vivo”, *Nature Photonics* 3, 412-417 (2009).
- Vinegoni C, Pitsouli C, Razansky D, Perrimon N, Ntziachristos V. “Live imaging of *Drosophila* pupae with Mesoscopic Fluorescence Tomography” *Nature Methods*, 5(1):45-7 (2008).
- Niedre MJ, de Kleine RH, Aikawa E, Kirsch DG, Weissleder R, Ntziachristos V. Early photon tomography allows fluorescence detection of lung carcinomas and disease progression in mice in vivo. *P Natl Acad Sci U S A*. 105(49):19126-31 (2008).