

# **CURICULLUM VITAE**

## **PERSONAL INFORMATION**

Name: Heiko  
Surname: Meyer  
Date of Birth: March 3<sup>rd</sup> 1974  
Nationality: German  
Home address: Auf dem Orthe 22  
D-31840 Hessisch Oldendorf

Business address: Laser Zentrum Hannover e.V.  
Biophotonics Group  
Department of Biomedical Optics  
Hollerithallee 8  
D-30419 Hannover

Tel: +49 511 2788 231  
Fax: +49 511 2788 100  
e-mail: [h.meyer@lzh.de](mailto:h.meyer@lzh.de)

---

## **EDUCATION - TRAINING**

Mar. 2008 - Researcher at Laser Zentrum Hannover e.V.,  
Biophotonics group  
Department of Biomedical Optics

Dec. 2007 – Feb. 2008 Researcher at IESL-FORTH, Biomedical Imaging Group,  
Project: In-vivo fluorescence optical projection tomography

Dec. 2004 – Nov. 2007 PhD student at the Erasmus University Rotterdam,  
Marie Curie EST fellowship

Jan.2004 – Nov. 2004 Researcher at IESL-FORTH, Biomedical Imaging Group,  
Project: Fluorescence Mediated Tomography on small  
Animals

Oct.2003 Graduation at University of Applied Sciences, Emden, Germany,  
Dipl.Ing. (FH) in Applied Laser Technology.  
Graduation at Hanzehogeschool van Groningen, Ing. in  
Mechanical Engineering, main subject Medical Product  
Development.

## Language Skills

German:	Mothers language
English:	Fluently spoken and written
Greek:	some
Spanish:	some

## RESEARCH ACTIVITIES

Oct.2003 – Jan.2004	Laboratory Assistant, University of Applied Sciences, Emden Germany
Jan.2004 – Nov.2004	Laboratory Assistant, Biomedical Applications, IESL-FORTH

## RESEARCH EXPERIENCE

- Optical characterization of tissue
- Time Resolved Fluorescence Spectroscopy
- Laser Induced Fluorescence Spectroscopy
- Design, Development & Implementation of Optical Imaging Systems

## PUBLICATIONS

### PARTICIPATION TO CONFERENCES

1. **H. Meyer**, A. Garofalakis, G. Zacharakis, E.N. Economou, C. Mamalaki, S. Papamatheakis, V. Ntziachsitos, J. Ripoll, "*A multi-projection non-contact Tomography setup for imaging arbitrary geometries*", oral presentation, Photonics West, Biomedical Optics (2004), San Jose, CA, USA
2. **H. Meyer**, A. Garofalakis, G. Zacharakis, E.N. Economou, C. Mamalaki, G. Fousteri, D. Kioussis, V. Ntziachsitos, J. Ripoll, "*High resolution fast surface reconstruction for in-vivo small animal imaging*", poster presentation, 4<sup>th</sup> Annual Meeting of the Society for Molecular Imaging, (2005), Cologne, Germany
3. A. Garofalakis, G. Zacharakis, **H. Meyer**, E.N. Economou, C. Mamalaki, D. Kioussis, V. Ntziachristos, J. Ripoll, "*3D in-vivo imaging of GFP-expressing T-cells in mice with non-contact Fluorescence Molecular Tomography*", poster presentation, 4<sup>th</sup> Annual Meeting of the Society for Molecular Imaging, (2005), Cologne, Germany
4. G. Zacharakis, A. Garofalakis, **H. Meyer**, E.N. Economou, C. Mamalaki, D. Kioussis, V. Ntziachristos, J. Ripoll, "*3D mapping of Skin Autofluorescence in Whole Animals*", poster presentation, 4<sup>th</sup> Annual Meeting of the Society for Molecular Imaging, (2005), Cologne, Germany

5. **H. Meyer**, Metaxakis A., Darrell A., Atrops S., Savakis B., Ripoll J., “*3D Imaging of fluorescence patterns in Drosophila melanogaster with OPT*”, poster presentation, 1st International European Society for Molecular Imaging, (2006), Paris, France
6. **H. Meyer**, Metaxakis A., Darrell A., Atrops S., Savakis B., Ripoll J., “*3D Imaging of fluorescence patterns in Drosophila melanogaster with OPT*”, poster presentation, International Symposium Optical Analysis of Biomolecular Machines, (2006), Berlin, Germany

### CONTRIBUTION TO CONFERENCE PROCEEDINGS

1. **H. Meyer**, A. Garofalakis, G. Zacharakis, C. Mamalaki, E. N. Economou, “*Multi-projection non-contact fluorescence tomography setup for imaging arbitrary geometries*”, Proceedings of SPIE Volume 5693, pp. 246-254 (2005), Photonics West Meeting, BiOS 2005, San Jose, California, USA
2. **H. Meyer**, A. Garofalakis, G. Zacharakis, E.N. Economou, C. Mamalaki, S. Papamatheakis, V. Ntziachristos, J. Ripoll, “*A multi-projection non-contact Tomography setup for imaging arbitrary geometries*”, Proceedings of SPIE Vol. 5771, 244-251, Saratov Fall Meeting (2004)
3. A. Garofalakis, **H. Meyer**, G. Zacharakis, E.N. Economou, C. Mamalaki, J. Papamatheakis, V. Ntziachristos, J. Ripoll, “*3D in-vivo imaging off GFP-expressing T-cells in mice with non-contact Fluorescence Molecular Tomography*”, Proceedings of SPIE Vol. 5771, 120-129, Saratov Fall Meeting (2004)
4. A. Garofalakis, G. Zacharakis, **H. Meyer**, S. Psycharakis, C. Mamalaki, G. Fousteri, J. Papamatheakis, D. Kioussis, V. Ntziachristos, E. N. Economou, and J. Ripoll, “*Two-Color in vivo Imaging of Fluorescent Cells in Mice*”, in Biomedical Optics, Technical Digest (CD) (Optical Society of America, 2006), paper TuC5.
5. G. Zacharakis, A. Garofalakis, S. Psycharakis, **H. Meyer**, C. Mamalaki, G. Fousteri, J. Papamatheakis, D. Kioussis, V. Ntziachristos, E. N. Economou, and J. Ripoll, “*Autofluorescence Removal from Fluorescence Molecular Tomography Data*”, in Biomedical Optics, Technical Digest (CD) (Optical Society of America, 2006), paper TuG6.

### LIST OF PUBLICATIONS

1. K. Marias, J. Ripoll, **H. Meyer**, V. Ntziachristos, and S. Orphanoudakis, “*Image Analysis for Assessing Molecular Activity Changes in Time-Dependent Geometries*”, IEEE Transaction on medical imaging (2005).
2. **H. Meyer**, A. Garofalakis, G. Zacharakis, C. Mamalaki, D. Kioussis, E.N. Economou, V. Ntziachristos & J. Ripoll, “Non-contact Optical Imaging in Mice with Full Angular Coverage and Automatic Surface Extraction”, Applied Optics, (2007).
3. **H. Meyer**, A. Darrell, a. Metaxakis, C. Savakis, J. Ripoll, “ Optical Projection Tomography for In-Vivo imaging of Drosophila melanogaster”, Microscopy & Analysis, (2008)
4. A. Martin, J. Aguirre, A. Sarasa-Renedo, D. Tsoukatou, A. Garofalakis, **H. Meyer**, C. Mamalaki, J. Ripoll, A. M. Planas, “Imaging Changes in Lymphoid Organs In Vivo after Brain Ischemia with Three-Dimensional Fluorescence Molecular Tomography in Transgenic Mice Expressing Green Fluorescent Protein in T Lymphocytes”, Molecular Imaging, (2008)
5. A. Darrell, **H. Meyer**, K. Marias, M. Brady and J Ripoll, “Weighted filtered backprojection for quantitative fluorescence optical projection tomography”, Phys. Med. Bio., 53(14): 3863-81 (2008).
6. J. Ripoll, **H. Meyer**, A. Garofalakis, “In vivo optical tomography: From diffusion to ballistic”, Optical Materials 31, (2009)

### **PARTICIPATION TO EST COURSES**

1. Diagnostic Molecular Imaging (DiMI), “Microscopical research techniques in biomedical applications”, 20/ - 24/03/2006, Antwerp (BELGIUM)