Curriculum vitae Priv.-Doz. Dr. med. Yoko Miura (M.D., Ph.D.)

Current position
1. Senior Physician at the Department of Ophthalmology, University Hospital Schleswig-Holstein, Campus Lübeck
2. Group leader at the Institute for Biomedical Optics, University of Lübeck
3. Project leader at the Medical Laser Center Lübeck

Professional qualification
2017: Habilitation (University of Lübeck)
2014: Specialist in ophthalmology in Germany
2012: Medical license in Germany
2011: Permission to practice medicine at the Eye Clinic of the UKSH Campus Lübeck
2002: Specialist in ophthalmology in Japan
2002: Doctorate, Osaka City University Graduate School of Medicine
1997: Medical license in Japan

Research topics
Clinic
1. Diagnosis and treatment of macular diseases
2. Retinal laser therapy (conventional, minimally invasive)
3. Fluorescence lifetime ophthalmoscopy (FLIO)
4. Optical coherence tomography (OCT)

Basic
1. Laser-tissue interaction
2. Thermal effect on RPE (retinal pigment epithelium)
3. Cell/organ culture of retinal tissue
4. Fluorescence lifetime imaging (FLIM)
5. Cell metabolism, oxidative stress

Education

04.1998- 03.2002 PhD: Department of Ophthalmology, Graduate School of Medicine, Osaka City University (Osaka, Japan)

PhD (03.2002): "Hepatocyte Growth factor stimulates proliferation and migration of retinal pigment epithelial cells in vitro"

04. 1991 - 03.1997 Medical study: Osaka City University School of Medicine
(Osaka, Japan)

Professional career

07. 2019 – today: Senior Physician, Department of Ophthalmology, Hospital Schleswig-Holstein, Campus Lübeck

09. 2013 – toda: Group Leader, Institute for Biomedical Optics, University of Lübeck / Medical Laser Center Lübeck

01. 2014 - 06.2019: Specialist in Ophthalmology, Clinic for Ophthalmology, University Hospital Schleswig-Holstein, Campus Lübeck

04. 2010 – today: Guest Lecturer, Department of Ophthalmology, Graduate School of Medicine, Osaka City University (Osaka, Japan)

03. 2012 -12.2013: Research Associate (Assistant Physician), Department of Ophthalmology, University Hospital Schleswig-Holstein, Campus Lübeck

08. 2009 - 08.2013: Research assistant, Institute for Biomedical Optics, University of Lübeck

02. 2007 - 05. 2009: Research assistant, Department of Ophthalmology, University Hospital Schleswig-Holstein, Campus Kiel

04. 2003 - 12. 2006: Assistant Professor (Senior Physician), Osaka City University, Department of Ophthalmology (Osaka, Japan)

04. 2002 - 03. 2003: Assistant Physician, Osaka City General Hospital, Department of Ophthalmology (Osaka, Japan)

05. 1997 - 03. 2002: Resident, Osaka City University Hospital, Department of Ophthalmology (Osaka, Japan)

Prizes/project funding (as project leader/head of the sub-project)/scholarships

- 2023: ZIM project: MacuTherm study
- 2023: Industrial project: clinical research
- 2022: Industrial project: basic research
- 2020: Helmut-Ecker Foundation (project funding, basic research)
- 2018: EYEnovative funding award ("Evaluation of mitochondrial function with Fluorescence Lifetime Imaging Ophthalmoscopy)
- 2017: BMBF (Federal Ministry of Education and Research) joint project: "MetaNetz" (early detection and treatment of metabolic degeneration in the retina of the eye)
- 2016: AFOSR-Research project: "Cell response determinants in laser-induced thermal impacts"
- 2015: DAAD-Project: "Partnership project with Waseda University (WABIOS)
- 2014: Industrial project: Basic research on FLIO
- 2013: DAAD-grant "Presentation trip"
- 2013: BMBF joint project: "I-cube" (subproject: "sublethal RPE hyperthermia")
- 2013: Habilitation scholarship, University of Lübeck
- 2012: ARVO international travel grant
- 2004: Osaka eye bank funding for ophthalmic research
- 2003: Ichizo Ikeda encouragement award (Publication award in Osaka City University)

Member

DOG (Deutsch Ophthalmologische Gesellschaft), Deutsche Retinologische Gesellschaft
EURETINA, ARVO (Association for Research in Vision and Ophthalmology)
Japanese Ophthalmology Society, Japanese Vitreoretinal Society

Organizer

Japanese Society of minimally-invasive retinal laser treatment