



SIMON FRISTED ESKILDSEN

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I develop and apply quantitative MRI and PET methods to investigate cerebral perfusion, microvascular function and brain tissue change. My research examines how vascular and tissue alterations relate to neurological disease, particularly Alzheimer's disease and other dementias, Parkinson's disease and multiple sclerosis. I combine advanced image acquisition and quantitative analysis with clinical cohorts to understand disease processes and evaluate imaging biomarkers.

EXPERIENCE

JAN 2012 -
PRESENT

ASSOCIATE PROFESSOR, CFIN, AARHUS UNIVERSITY

Coordinate the Applied Imaging and Modelling (AIM) group and lead interdisciplinary neuroimaging research spanning method development and clinical application.

OCT 2010 -
DEC 2011

VISITING PROFESSOR, BIC, MCGILL UNIVERSITY

Developed image-processing methods for segmentation and quantification of brain structures.

MAR 2008 -
OCT 2011

ASSISTANT PROFESSOR, AALBORG UNIVERSITY

Taught and supervised biomedical engineering students and collaborated on MRI research in pain, brain tumours, radiotherapy and major depression.

MAR 2005 -
FEB 2008

PHD FELLOW, AALBORG UNIVERSITY

Developed and applied methods to quantify the structure of the human cerebral cortex from magnetic resonance imaging.

AUG 2003 -
FEB 2005

RESEARCH ASSISTANT, AALBORG UNIVERSITY

Worked on image processing methods for MRI and patent applications.

EDUCATION

NOV 2008

PHD IN BIOMEDICAL ENGINEERING, AALBORG UNIVERSITY

JUN 2003

MSC (MEDICAL INFORMATICS), AALBORG UNIVERSITY

JOB RESPONSIBILITIES

My responsibilities include conducting and coordinating research, teaching medical image analysis and supervising students and early-career researchers. I collaborate with clinical and basic researchers to develop and apply neuroimaging methods in studies of brain health and disease.

AREAS OF EXPERTISE

- Neuroimaging
- MRI and PET
- Quantitative image analysis
- Microvascular function & perfusion
- Neurodegenerative diseases