



**Karolinska  
Institutet**

**Department of Neurobiology, Care Sciences and Society**

# Multiple amyloid binding sites in Alzheimer brain and their interaction with synaptic and inflammatory mechanisms

**AKADEMISK AVHANDLING**

som för avläggande av medicine doktorexamen vid Karolinska  
Institutet offentligen försvaras i Hörsalen Novum 4<sup>th</sup> floor, Huddinge

**Tisdag den 31st March 2015, kl 09.30**

av

**Ruiqing Ni**

*Huvudhandledare:*

Prof. Agneta Nordberg, MD, PhD  
Karolinska Institutet  
Department of NVS  
Center for Alzheimer Research  
Division of Translational Alzheimer  
Neurobiology

*Bihandledare:*

Prof. Per-Göran Gillberg, PhD  
Karolinska Institutet  
Department of NVS  
Center for Alzheimer Research  
Division of Translational Alzheimer  
Neurobiology

Forskare Amelia Marutle, PhD  
Karolinska Institutet  
Department of NVS  
Center for Alzheimer Research  
Division of Translational Alzheimer  
Neurobiology

*Fakultetsopponent:*

Prof. Victor Villemagne, MD, PhD  
Melbourne University, Austin Health,  
The Florey Institute  
Department of Medicine

*Betygsnämnd:*

Docent Stina Syvänen, PhD  
Uppsala University  
Department of Public Health and Caring Sciences  
Division of Geriatrics; Molecular Geriatrics/  
Rudbeck laboratory

Prof. Tormod Fladby, MD, PhD  
Oslo University  
Department of Neurology  
Division of Faculty, Akershus University Hospital

Docent Susanne Frykman, PhD  
Karolinska Institutet  
Department of NVS  
Center for Alzheimer Research  
Division of Neurogeriatrics

**Stockholm 2015**