

## Astrocytes alive!

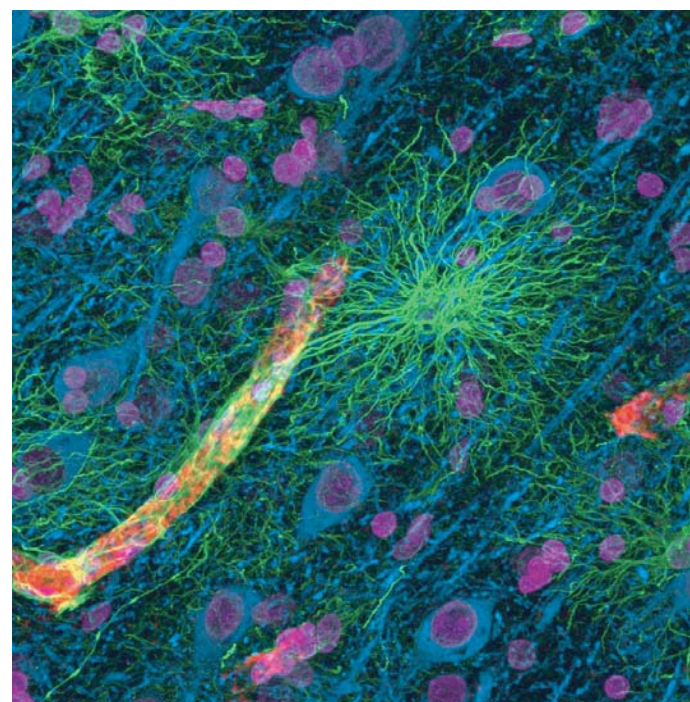


### **Maiken Nedergaard, M.D., D.M.Sc.**

**Co-Director - Center for Translational Neuromedicine**  
**Professor - Center for Translational Neuromedicine**  
**Professor - Department of Biomedical Engineering**  
**Professor - Department of Neurobiology and Anatomy**  
**University of Rochester**

DMSc Neuroscience University of Copenhagen 1988  
MD Medicine University of Copenhagen 1983

The lecture will describe how advances in optical imaging allow us for the first time to study the function of electrically non-excitable cell types in brain.



**3:00 pm, Monday, December 8, 2008**  
Sloan Auditorium, Goergen Building  
Refreshments provided

# Astrocytes Alive!

Maiken Nedergaard, M.D., D.M.Sc.  
University of Rochester Medical Center

## Abstract

The lecture will describe how advances in optical imaging allow us for the first time to study the function of electrically non-excitable cell types in brain. Traditionally, neuroscience has used electrophysiology approaches and thereby overlooked astrocytes – the primary non-excitable cell type in brain. Astrocytes are more numerous than neurons in the adult human brain. It is therefore of considerable interest to define their roles in higher brain function and neurological diseases.

## Biography

### Current Appointments

- \* Co-Director - Center for Translational Neuromedicine
- \* Professor - Center for Translational Neuromedicine
- \* Professor - Department of Biomedical Engineering
- \* Professor - Department of Neurobiology and Anatomy

### Education

DMSc Neuroscience      University of Copenhagen 1988

MD Medicine      University of Copenhagen 1983

### Post-Doctoral Training & Residency

Post-Doctoral Training; Neuroscience; Cornell University Medical School 1987 - 1988

Post-Doctoral Training; Neuropathology / Physiology University of Copenhagen 1984 - 1987

Rigshospitalet; University of Copenhagen; Neurology / Neurosurgery 1983 - 1984

### Awards and Honors

Member of the Royal Danish Academy of Sciences | Royal Danish Academy of Sciences, Copenhagen, Denmark 2008

Lise and Gunnar Wørums Fond | Denmark 2002

Kobmand Weimann Fond | Denmark 1989 - 1993

NOVO Foundation award | Denmark 1987 - 1989

Diabetes Society | Denmark 1987 - 1989

King Frederik's VI Foundation | Denmark 1987