

Physiology and dynamics of cellular microcompartments

September 21-22, 2012



Westerberger Herbsttagung
(September 21th, 2012, 1:00 – 3:15 pm, Bohnenkamp-House of the
Botanical Garden, University of Osnabrück)
“Microcompartments in neurons and glia cells”

- 1:00 – 1:30 John H. Carson (Farmington, USA):
Structure and function of RNA granules in neurons
- 1:35 – 2:05 Stefan Kindler (Hamburg, Germany):
Role of the postsynaptic density in the pathology of the fragile X syndrome
- 2:10 – 2:30 Eva-Maria Krämer-Albers (Mainz, Germany):
Myelin membrane traffic and the role of exosome secretion in axon-glia interaction
- 2:35 – 2:45 Progress Talk I: Dennis Janning (Osnabrück):
A novel interaction of tau through its N-terminal projection domain
- 2:50 – 3:00 Progress Talk II: Frederik Sündermann (Osnabrück):
RNA-binding protein (RBP) containing granules act as dynamic microcompartments in neural cells

Bohnenkamp-House of the Botanical Garden, University of Osnabrück



Introduction by the Dean, the Director of the Botanical Garden and the Head of the Department of Neurobiology



John H. Carson (Farmington, USA)



Stefan Kindler (Hamburg, Germany)



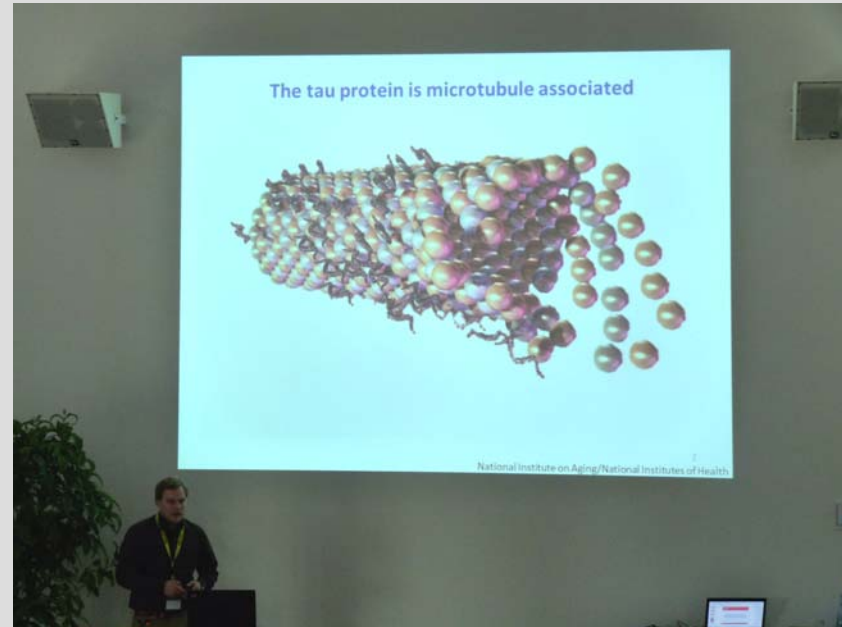
Eva-Maria Krämer-Albers (Mainz, Germany)



- oligodendrocytes are myelinating cells
- electric insulation / saltatory conduction
- provide trophic support to axons
- myelin disease => axon loss



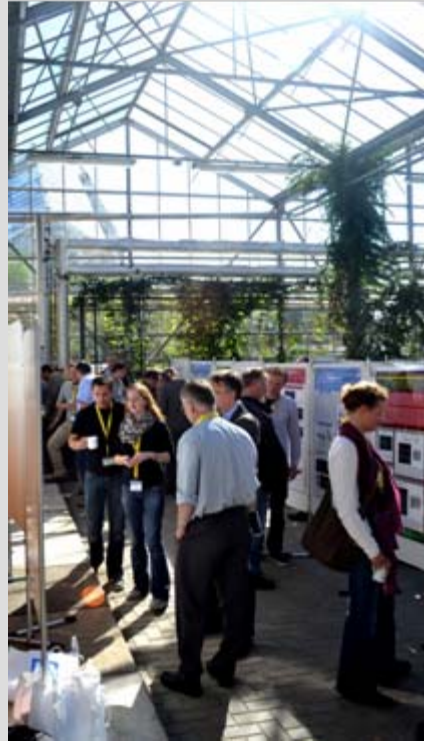
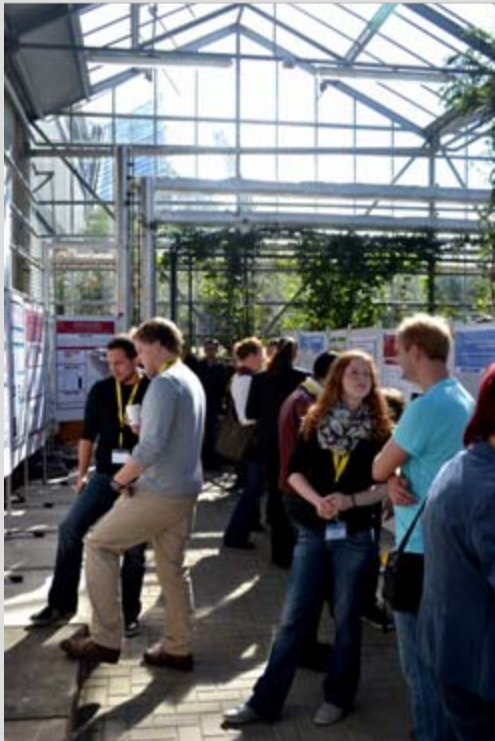
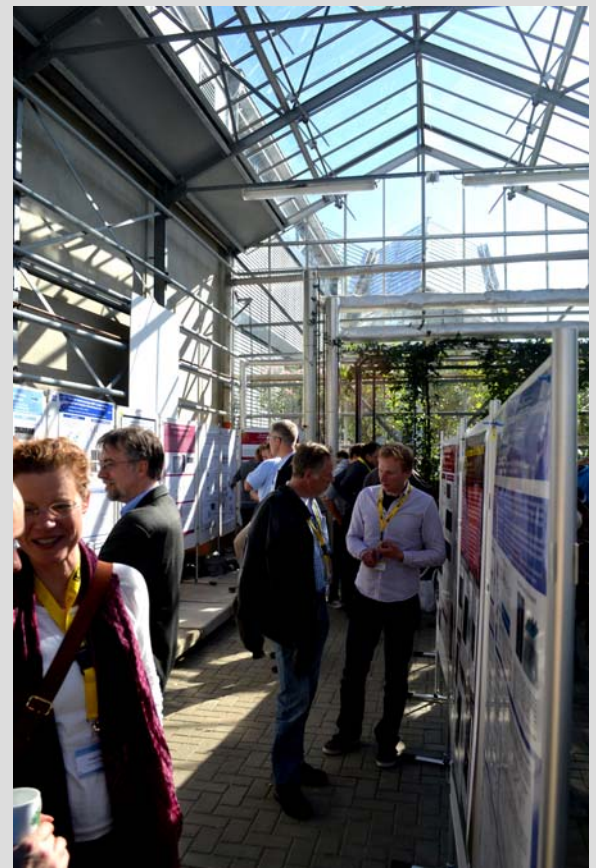
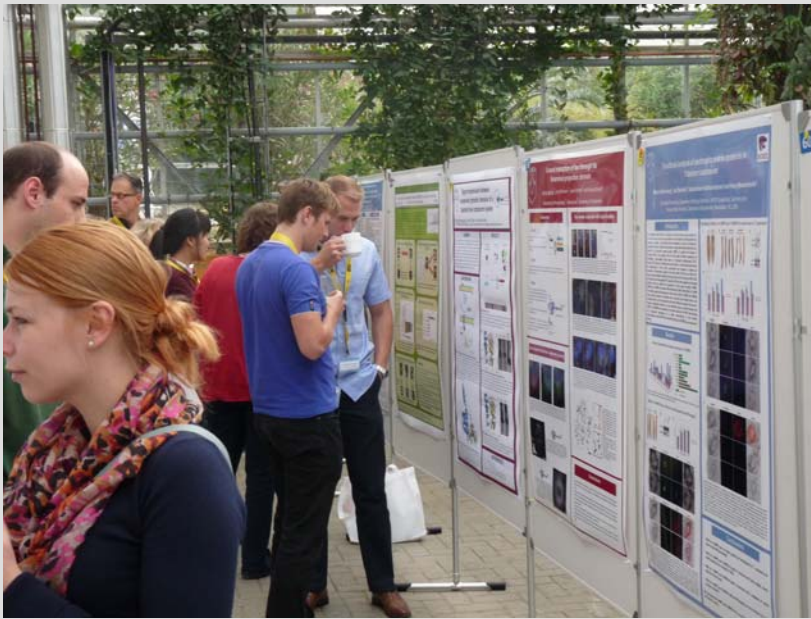
Dennis Janning (Osnabrück)



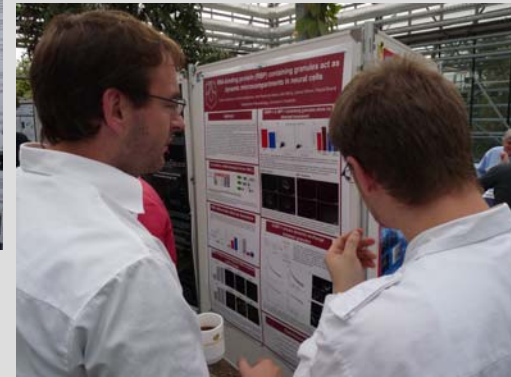
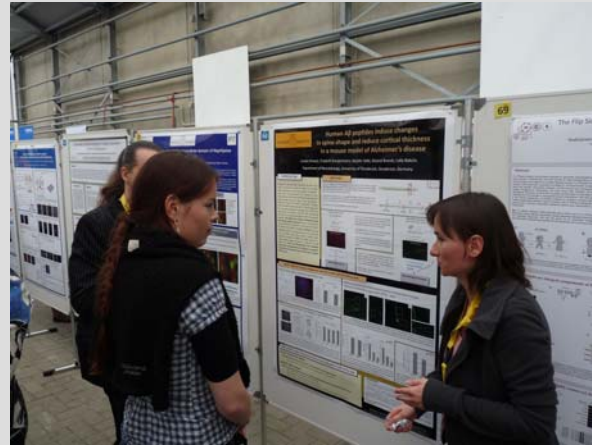
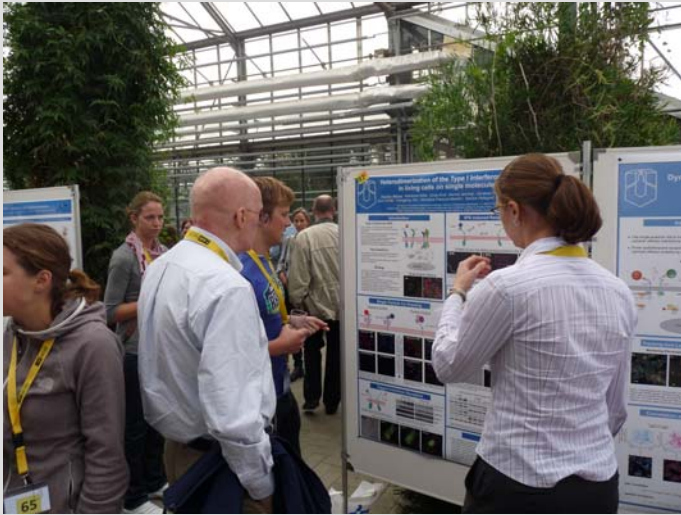
Frederik Sündermann (Osnabrück)



Poster 1



Poster II



Dinner and Discussions I



Dinner and Discussions II



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The 6th Westerberger Herbsttagung was organized by the members of the Department of Neurobiology and coordinated by Katrin Klempahn