

A Journal of the Gesellschaft Deutscher Chemiker

# Angewandte

# Chemie

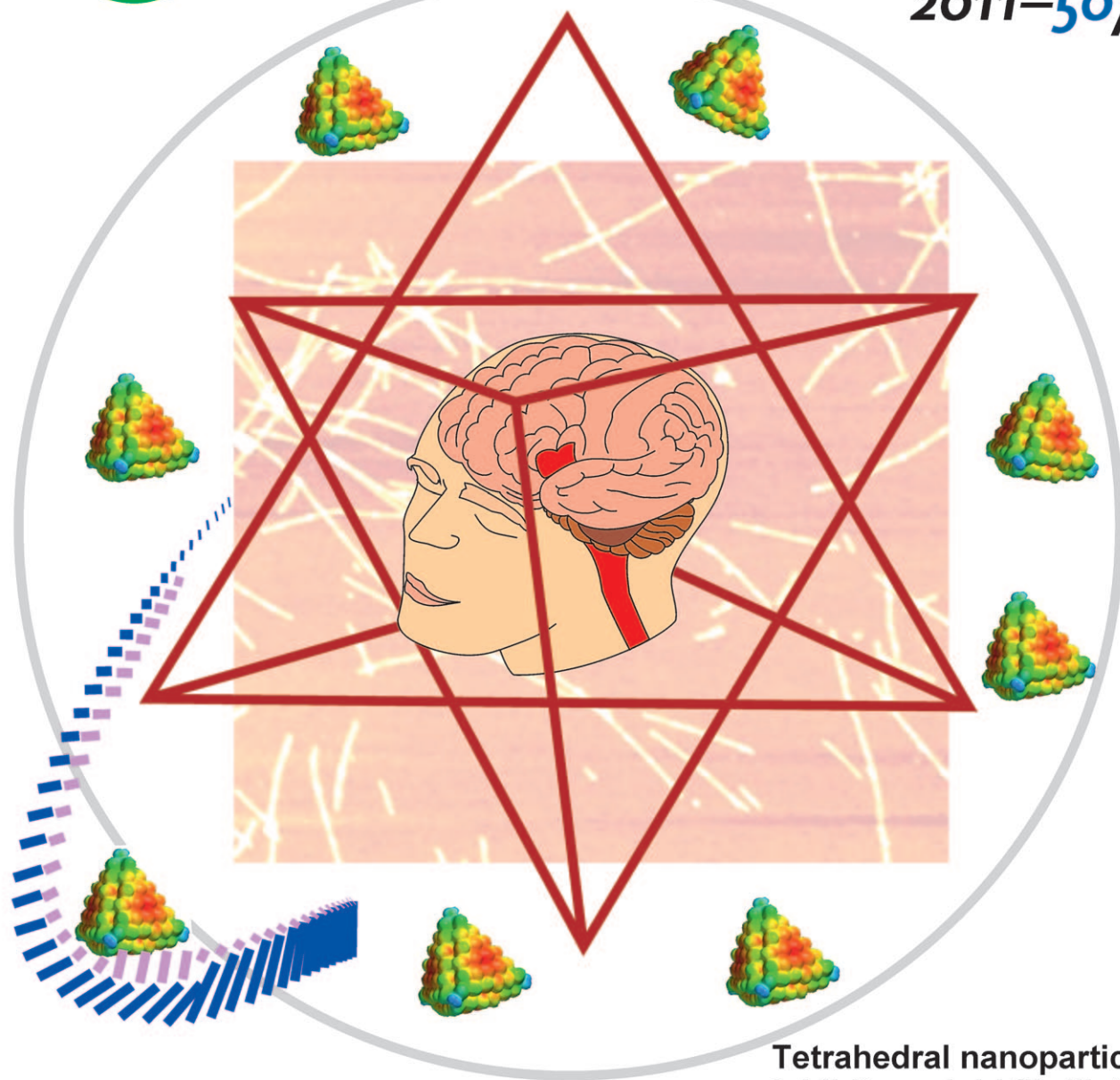
50  
YEARS

International Edition

GDCh

www.angewandte.org

2011–50/22



**Tetrahedral nanoparticles  
inhibit amyloid fibrillation.**

## **Amyloid peptide fibrillation ...**

... causes many neurodegenerative disorders including Alzheimers disease. Some drugs can inhibit this process by binding to peptides in a 1:1 ratio. In their Communication on page 5110 ff., N. A. Kotov et al. describe the inhibition efficacy of nanoparticles (NPs), which bind to peptide oligomers. The mechanism of NP inhibition is similar to that of proteins responsible for preventing amyloid fibrillation in the human body.

 **WILEY-VCH**

## Inside Cover

**Seong Il Yoo, Ming Yang, Jeffrey R. Brender,  
Vivekanandan Subramanian, Kai Sun, Nam Eok Joo, Soo-Hwan Jeong,  
Ayyalusamy Ramamoorthy, and Nicholas A. Kotov\***

**Amyloid peptide fibrillation** causes many neurodegenerative disorders including Alzheimers disease. Some drugs can inhibit this process by binding to peptides in a 1:1 ratio. In their Communication on page 5110 ff., N. A. Kotov et al. describe the inhibition efficacy of nanoparticles (NPs), which bind to peptide oligomers. The mechanism of NP inhibition is similar to that of proteins responsible for preventing amyloid fibrillation in the human body.

