

## NANOCRYSTALS IN MATERIALS AND LIFE SCIENCE APPLICATIONS

HORST WELLER

Institute of  
Physical Chemistry  
University of Hamburg  
Germany

Nanocrystals are already used for many applications in technical products for every day life. The talk will describe actual developments such as quantum dots in display and lighting technology, ultra-hard nanocomposite materials and materials for the visualization of biological events or malignant cells or tissues. Different chemical approaches and factors determining the biological response on fully synthetic nanocrystals will be reported. We will present approaches to improve targeting specificity and concepts to optimize physical properties to increase the sensitivity for imaging.

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2:00 PM

CFEL  
SEMINAR ROOMS I-III

