



SATELLITE WORKSHOP - Photon Science

16th Workshop on X-Ray Nano-Imaging of Biological and Chemical Systems at PETRA III

28th January 2026

The workshop gives attention to X-ray microscopy at various PETRA III beamlines with special emphasis on applications in biology and chemistry. Several scientific (multimodal) X-ray imaging highlights are presented with focus on the scanning X-ray microscopy beamlines P06, P10 and P05. Participants are encouraged to discuss future scientific opportunities for nano-imaging experiments at PETRA III and PETRA IV.

The main part of the workshop is dedicated to presentations from our user community introducing the frontiers of data analysis to encourage lively discussions.

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PROGRAMME

			<i>Chair: Jan Garrevoet</i>
13:00	Introduction/Welcome		Christian G. Schroer (DESY)
13:15	Beam Steering Ptychography for Heavy Sample Systems		Ken Falch/Tang Li (DESY)
13:35	Gray layer in Ensor's Paintings and other significant Color Changes in historical Paintings, studied at P06 at PETRA III		Ermanno Avranovich Clerici (University of Antwerp)
14:00	Cryogenic X-Ray Fluorescence Imaging of Metallodrug Candidates in Cancer Cells		Nils Metzler-Nolte (Ruhr-Univ. Bochum)
14:25	Stereo hard X-ray microscopy		Sina Roeper (DESY)
14:50	<i>Coffee break</i>		
			<i>Chair: Fabian Westermeier</i>
15:15	Coherent Imaging at the GINIX Instrument using Waveguide Illumination		Yuri Rossi Tonin (Universität Göttingen)
15:40	Synchrotron X-ray based Comparison of Vibrissa Follicle Anatomy		Konstantin Strauss (HU Berlin)
16:05	X-ray Holo-Tomography of Heat-treated Egg Yolk: Challenges and Surprises		Felix Wittwer (DESY)
16:30	Closing remarks / End of Workshop		Christian G. Schroer (DESY)