

	Key instruments	Responsible PI
MTC1.1	Confocal Microscope with 3 colour detector	Prof. Bausch
	Optical tweezers, upright, single molecule, high frequency, low drift	Prof. Rief
	Three-color single molecule resolution, 2 color Fiona	Prof. Bausch
	STORM Microscope	Prof. Bausch
	Paint-FRET	Prof. Simmel
	AFM Asylum Cypher	Prof. Simmel
	Neaspec sSnom	Prof. Back
MTC1.2	Zeiss Xradia MicroCT: high resolution MicroCT and X-ray-Microscopy for Material Analysis	Prof. Pfeiffer
	GE VtomeX: Mikro- and MakroCT for Material Analysis	Prof. Pfeiffer
	Philips Brilliance CT	Prof. Herzen
	X-ray Phasecontrast-Biopsyscanner	Prof. Herzen
MTC1.3	LT-STM (Createc + own development)	Prof. Auwärter
	JT-STM	Prof. Barth
	nc-AFM	Prof. Barth
	STM-XPS	Prof. Auwärter
	Scanning Probe Microscope for Surface dynamics	Prof. Bandarenka
	EC STM/AFM	Prof. Krischer
	Competence Area Infrastructure	
IS1.1	X-ray Laboratory: small/wide angle x-ray scattering (SAXS/WAXS)	Prof. Müller-Buschbaum
	X-ray Laboratory: x-ray diffraction and x-ray reflectivity	Prof. Müller-Buschbaum
	Fluorescence Laboratory – FCS	Prof. Papadakis
	Light Scattering Laboratory - SLS/DLS	Prof. Papadakis
	X-ray Laboratory	Profs. Pfeleiderer
IS1.2	Digital Labor: PCB prototyping	Prof. Fabbietti
	Low-contamination prototyping: Clean rooms for detector assembly and lithography	Prof. Bishop
	Gasdetectors + optical detectors: Testbenches	Prof. Fabbietti
	Wire-Bonder, Oszilloscope, Logic analysers, Electronics Pool, Microscopes, VME / PCIe Systems	Prof. Paul
	Chip-Testing: Probestation, Basic computing	Prof. Paul
	Photosensors	Prof. Resconi