

SINGLE PARTICLE WORKSHOP

MONDAY 9:00—5:00 TURIN / TREVÌ

CHAIRS: UWE WEIERSTALL (ASU) & RICHARD KIRIAN (ASU)



Chair	Time	Speaker	Title
Rick Kirian	9:00	Andy Aquila (SLAC)	Lessons Learned in Sample Delivery from the Single Particle Imaging Initiative: The Need for Low Background Sample Delivery Methods
	9:30	Filipe Maia (Uppsala U)	Hardware Improvements Wish List for Better SPI Data
	10:00	Brenda Hogue (ASU)	Virus Particle Heterogeneity & Dynamics
	10:30	<i>Coffee Break</i>	
Uwe Weierstall	11:00	Johan Bielecki (Uppsala U)	Smaller droplets for Bigger Success (prelim.)
	11:30	Jake Koralek	Single-particle Sample Delivery Diagnostics System at SLAC
	12:00	Andrei Rode (Australian National U)	Steering Particles with Optical Forces
	12:30	<i>Lunch</i>	
Andy Aquila	2:00	Charlotte Uetrecht (European XFEL)	The Visavix Project - Mass Spectrometry for SPI
	2:30	Pete Reilly (Washington State U)	Increasing the Particle Trapping Size Range Out Beyond $m/z = 109$ Using a Kinetic Energy Reducing Atmospheric Inlet and Digitally-driven Linear Ion Traps
	3:00	Matthew Coleman (LLNL-UC Davis)	Fixed Target Approaches for Single-particle Imaging
	3:30	<i>Coffee Break</i>	
	4:00	Carolin Seuring (U Hamburg)	Fiber Diffraction on a Single Layer of Graphene Paves the Way to Single Molecule Imaging
	4:30	Jochen Kupper (DESY)	Controlled Large Molecules and Particles for Single-molecule Imaging