

## WORKSHOP #8

### Toxic Metals in Human Tissues detected with NSLS II

Organizers: Juergen Thieme (University of Goettingen), Anthony Szema (Donald and Barbara Zucker School of Medicine at Hofstra University and Stony Brook University)

#### Part A: Human Lungs

Start Time (ET)	Title	Speaker (Affiliation)
09:00	Welcome and Introduction	Juergen Thieme (University of Goettingen, Germany)
09:10	Lung biopsies from soldiers exposed to burn pits in Iraq and Afghanistan: NSLS-II Studies and IR Measurements	Anthony Szema (Hofstra University)
10:00	Q&A	
10:10	Image mass cytometry on lung tissue from mice exposed to World Trade Center dust	Nick Favazza (Hofstra University)
10:40	Q&A	
10:50	Lung biopsies from patients with lung cancer after exposure to the plume at Ground Zero on 9/11: Raman spectroscopy	Dorian Pousant (Hofstra University)
11:20	Q&A	
11:30	X-Ray Spectromicroscopy Studies of Lung Tissue at the SRX beamline of NSLS-II	Juergen Thieme (University of Goettingen, Germany)
12:00	Q&A	
12:10	Concluding discussion	
12:30	Adjourn	

#### Part B: Human Hips

Start Time (ET)	Title	Speaker (Affiliation)
09:00	Welcome and Introduction	Anthony Szema (Hofstra University)
09:10	Failure of hip replacements (Tentative)	Matt Koff (Hospital for Special Surgery, New York)
09:40	Q&A	
09:50	Introduction to Imaging Beamlines at NSLS-II	Andy Kiss (NSLS-II, BNL)
10:00	Q&A	
10:10	TBD	UCL Speaker
10:40	Q&A	
10:50	TBD	Dennis Caruana (Yale University)
1:20	Q&A	
11:30	MR imaging of wear-debris: physical principles and clinical translation	Hollis Potter (Hospital for Special Surgery, New York)
12:00	Q&A	
12:10	Concluding discussion	
12:30	Adjourn	