

MUACC 2016

University of Illinois at Urbana-Champaign, I-Hotel
October 13th-15th, 2016

Poster presentation list

Friday, October 14th, 2016 from 5:00 pm – 6:30 pm in the Quad Room

Presenters are invited to post their work during the lunch break and to remain in exhibition no later than 7:00 pm. Poster boards will be labeled with the appropriate poster number. The presenter is requested to be at the poster site from 5:00 pm to 6:30 pm. Appetizers and beverages will be served during the session.

P#	Presenter	Contact	Title
1	Sage Dunham	dunham3@illinois.edu	<i>Quantitative secondary ion mass spectrometry imaging of microbial communities directly from the agar surface</i>
2	Amit Patel	avpatel7@illinois.edu	<i>Analysis of D-glutamate and D-aspartate in single neurons from Aplysia californica by capillary electrophoresis</i>
3	Si Cheng	sc316410@ohio.edu	<i>Highly sensitive mass spectrometric detection of flunitrazepam using magnetic graphene framework enrichment</i>
4	Chang Xu	cx727715@ohio.edu	<i>Capturing Au (III) intermediate in aryldiazonium promoted gold redox catalysis using DESI-MS</i>
5	Scott Dubowsky	dubowsk2@illinois.edu	<i>Spectroscopic diagnostics of ambient ball plasmoid discharges: Revealing the underlying physical chemistry of ball lightning</i>
6	Krishna Anapindi	anapind2@illinois.edu	<i>Label-free quantitation of peptides in an opioid-induced hyperalgesia (OIH) mouse model using mass spectrometry</i>

7	Mohtashim Shamsi	mshamsi@siu.edu	<i>Enhanced sensitivity of inkjet-printed sensors by electrochemical metal deposition</i>
8	Rajveer Singh	rajs@illinois.edu	<i>Development of an appropriate Raman spectroscopy method for accurate protein and lipid characterization in soybean</i>
9	Charles Markus	cmarkus2@illinois.edu	<i>Improving the sensitivity of cavity enhanced spectroscopy of molecular ions</i>
10	Mittal Shachi	mitta@illinois.edu	<i>Concepts, methods and analytics for automated digital pathology</i>
11	Isaac Taylor	iataylor@iupui.edu	<i>Electrochemical micronutrient sensing: quantification of the potassium ion</i>
12	Henok B. Habtamu	hhabtamu@iupui.edu	<i>Detection of bacteria by reverse electrochemiluminescence assay</i>
13	Max Verkamp	mverkam2@illinois.edu	<i>Ultrafast extreme ultraviolet spectroscopy of lead iodide and methylammonium lead iodide perovskite</i>
14	Kristin Benke	benke2@illinois.edu	<i>Extending tabletop M-edge spectroscopy to the liquid phase to examine transition metal catalysts</i>
15	Elizabeth Ryland	ryland2@illinois.edu	<i>Tabletop XUV spectroscopy of ultrafast metalloporphyrin photophysics</i>
16	Jamie Luther	jluther2@nd.edu	<i>Paper based technology for detection of adulterated milk (MilkPAD) in developing countries</i>
17	Kenneth Hernandez-Burgos	kenhndz@illinois.edu	<i>Enhancing charge transport in redox active polymers through molecular design</i>
18	Jingshu Hui	jhui6@illinois.edu	<i>Alkali ions intercalation on few layer graphene – mechanistic study and in situ electrochemical imaging via SECM</i>
19	Zachary Gossage	zgossage@illinois.edu	<i>Employing PDMS as a soft interface for rapid characterization and positioning of scanning electrochemical microscopy nanoelectrode tips</i>

20	Zachary Barton	zbarton2@illinois.edu	<i>Versatile ionic probe positioning for scanning electrochemical microscopy (SECM)</i>
21	Mark Burgess	mburgss2@illinois.edu	<i>Elucidating the reactivity and solution dynamics of redox active polymers</i>
22	Mihail Krumov	mkrumov2@gmail.com	<i>Investigation of photoanodic water oxidation surface species on hematite using SI-SECM</i>
23	Min Li	minl@iastate.edu	<i>High-throughput selective capture of rare cells by dielectrophoresis at a wireless electrode array</i>
24	Tomasz Wrobel	tpwrobel@illinois.edu	<i>Quantum cascade laser mid-infrared imaging and random forest classification of prostate cancer</i>
25	Burton Simpson	bhsimps2@illinois.edu	<i>Electrochemical imaging and interrogation of nano-scale reactive domains during photoelectrocatalysis</i>
26	Troy Comi	comi2@illinois.edu	<i>Development of interactive software for single cell microscopy-guided mass spectrometry profiling across multiple instrument platforms</i>
27	Zheng Li	zhengli5@illinois.edu	<i>A portable optoelectronic nose for monitoring meat freshness</i>
28	Matthew R. Kole	kole2@illinois.edu	<i>Applications of stimulated Raman scattering microscopy</i>
29	Jeremy M. Schieferstein	schiefe2@illinois.edu	<i>X-ray compatible microfluidic chips for membrane protein crystallization</i>
30	Thushani Siriwardhane	siriwarh@email.sc.edu	<i>Electrochemical analysis of Al(III) via fast-scan cyclic voltammetry at carbon-fiber microelectrodes</i>
31	Jahnabi Roy	jroy5@illinois.edu	<i>Comparative proteomics of human and canine osteosarcoma and stabilization of membrane proteins in nanodisc library</i>
32	Indrajit Srivastava	indrajit@illinois.edu	<i>Switchable photo-luminescent caged carbon nanoparticles for intracellular trafficking</i>

33	Indrajit Srivastava	indrajit@illinois.edu	<i>Feasibility of selecting carbon nanoparticles based on cancer stages as a function of surface properties</i>
34	Muhammad Khan	mskhan7@illinois.edu	<i>Electrochemical real-time monitoring of post-surgical and post-traumatic eye injuries using a low-cost ocular biosensor</i>
35	Santosh Misra	skmisra@illinois.edu	<i>PolyGraphene medi-patches integrated with electronic biosensor for tracking delivery of STAT-3 inhibitors for anti-stem cell therapy</i>
36	Saumya Tiwari	stiwari@illinois.edu	<i>Determining breast cancer through infrared spectroscopy</i>
37	Gururaja Vulugundam	gururaj@illinois.edu	<i>(-)/(+)-Sparteine induced chirally-active carbon nanoparticles for enantioselective separation of racemic mixtures</i>
38	Cody Pinger	pingerco@chemistry.msu.edu	<i>3D-Printed tools to enhance binding studies in in vitro diabetes models</i>
39	Martin Shortreed	mshort@chem.wisc.edu	<i>Identification of proteoforms from yeast lysate using measurements of intact mass and lysine count</i>
40	Martin Shortreed	mshort@chem.wisc.edu	<i>Combining RNA-seq proteogenomics and global post-translational modification (G-PTM) search strategy to reveal human proteomic variation</i>