

# 2019 UMB Current Electron Microscopy Techniques Workshop

## Multi-Modality Imaging

05/30 – 31, 2019

Southern Management Campus Center, University of Maryland Baltimore

3<sup>rd</sup> Fl, 621 West Lombard Street, Baltimore, MD 21201

### Final Program

May 30<sup>th</sup>, 2019

Start	End		Speaker
8:30	9:00	Registration	
9:00	9:10	Introduction & Opening	<b>Ru-ching Hsia</b>
9:10	10:00	Acceleration of Neuroscience Research Discovery by Incorporation of Multiple Modalities Microscopic Data	<b>Anastas Popratiloff</b> <i>GWU</i>
10:00	10:30	Coffee/Tea break	
10:30	11:20	Reverse Engineering Alligator Gar Fish Scales: Where Biology meets Materials Science meets Minerology	<b>Ken Livi</b> <i>JHU</i>
11:20	12:10	Going Back to the Basics-Best Practices in Digital Imaging Acquisition	<b>Jason Hill</b> <i>Nikon</i>
12:10	13:30	Lunch break	
13:30	14:15	Target Material Selection for Sputter Coating of SEM Samples	<b>Rod Heu</b> <i>Rave Scientific</i>
14:15	15:00	Break	
15:00	17:00	Instrument Demo will be held at the EMCIF, Center for Innovative Biomedical Resources (CIBR), 685, West Baltimore St. HSF1, 6th floor. To avoid overcrowding in each demo station, four 30-min demo sessions with maximum 5 participants can be pre-scheduled via signup genius. See table below for the list of instrument and signup links.	
17:30	20:30	<a href="#">Joint Dinner with Chesapeake Microscopy &amp; Microanalysis Society</a> (separate registration required) <b>Rhonda Stroud</b> , NRL "From the Earth to the Cosmos and back in the Electron Microscope" <b>Jiwen Zheng</b> , FDA "Use of Cryogenic Electron Microscopy for Morphological Characterization of Drug Products and Devices "	
<b>May 31<sup>st</sup>, 2019</b>			
9:00	9:50	Transforming Sample Into Data – Multi Modality Imaging	<b>Alice Fengxia Liang</b> <i>NYU</i>
9:50	10:40	Molecular multimodal imaging in neuro-oncology	<b>Pavlos Anastasiadis</b> <i>U M Baltimore</i>
10:40	11:10	Coffee/Tea break	
11:10	12:00	Exploring the True Structure of Tissue with 3D Electron Microscopy	<b>Tara Nylese</b> <i>Thermo Fisher</i>
12:00	13:30	Lunch break	
13:30	14:15	Multi-Modality FIB SEM + Analytics for 2D and 3D Life Sciences Applications	<b>Lucille Giannuzzi</b> <i>Tescan</i>
14:15	15:00	Break	
15:00	17:00	Instrument Demo, continued	

## Instrument Demonstrations

Demo is restricted to five participants per 30 min session, please sign up ahead

Instrument	Vendor	Signup Genius
<a href="#">ASP1000, Auto Specimen Processor</a>	Microscopy Innovations	<a href="#">Demo Signup</a>
<a href="#">ARTOS 3D Array Tomography Solutions</a>	Leica Microsystems	<a href="#">Demo Signup</a>
<a href="#">EM GP2 Grid Plunger</a>	Leica Microsystems	<a href="#">Demo Signup</a>
<a href="#">AutoSAMDRI-931 Critical Point Dryer</a>	Tousimis	<a href="#">Demo Signup</a>
<a href="#">Portable Plasma Cleaner</a>	ibss Groups/Rave Scientific	<a href="#">Demo Signup</a>
<a href="#">Hitachi TP4000 Tabletop SEM</a>	Angstrom Scientific	<a href="#">Demo Signup</a>
<a href="#">EMS 150V Plus Ultra-Fine Coater</a>	EMS	<a href="#">Demo Signup</a>
<a href="#">EasiGlow &amp; Hi Vac Coater</a>	Ted Pella	<a href="#">Demo Signup</a>

## Maps and Directions



- Southern Management Campus Center, 621 W. Lombard St.
- CIBR, HSF1, 6<sup>th</sup> floor, 685 W. Baltimore St. (Instrument Demo Location)
- Penn St Garage, 120 S. Penn St.
- Pratt St. Garage, 646 W. Pratt St.
- Bressler Research Building, 655 W. Baltimore St.
- UMB Health Sciences & Human Services Library

## Hotel information

These hotels are all within walking distance to UMB campus and offer rooms with discounted rate for UMB guests (pending availability). Please mention you are visiting UMB for conferences at the time of booking

Hotel	Address	TEL	Estimated Rate
Holiday Inn	301 West Lombard Street	410-685-3500	\$92 - \$162
Baltimore Hilton	410 West Pratt Street	443-573-8700	\$172-\$219
Baltimore Marriot Inner Harbor	110 South Eutaw Street	410-962-0202	~ \$159
Lord Baltimore Hotel (use code UMD)	20 West Baltimore St	410-539 8400	\$129
Hampton Inn Baltimore Downtown/Convention Center	550 Washington Blvd	410-685 5000	\$109

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