#### Calendar

#### Edited by Paul Webster pwebster@usc.edu

#### List your meeting here:

Following is a list of microscopy related meetings and courses. The editors would greatly appreciate input to this list via the electronic submission form under "events/other microscopy events" at the MSA webpage: www.microscopy.org. We will gladly add hypertext links to the notice on the web and insert a listing of the meeting in the next issue. Please furnish the following information (any additional information provided will be edited as required and printed on a space available basis):

- Meeting/Course name
- Meeting/Course dates
- Meeting/Course topic or short description
- · Sponsoring society/organization/university
- Contact person
- Telephone number
- Fax number
- Email address
- URL for website

#### **General Links**

#### **European Molecular Biology Organization Course** & Workshops

www.embo.org/programmes/courses-workshops.html

#### **Gordon Research Conferences**

www.grc.org/meetings.aspx?year=2010

#### Keystone Symposia

www.keystonesymposia.org/

#### Lehigh Microscopy School Courses

www.lehigh.edu/microscopy

#### Marine Biological Laboratory (MBL), Woods Hole, MA, USA

www.mbl.edu/education/

#### Royal Microscopical Society Annual Courses

www.rms.org.uk/events/RMS\_Annual\_Courses

#### **Meetings 2016**

#### FENS Forum 2016: 10th FENS Forum on Neuroscience

July 2-6, 2016

Copenhagen, Denmark http://forum2016.fens.org

#### **Scanning Probe Microscopy Meeting**

July 6-7, 2016

www.rms.org.uk/events/Forthcoming\_ Events/scanning-probe-microscopymeeting-2015

#### 11th European Congress of Neuropathology

July 6-9, 2016

Bordeaux, France www.euro-cns.org/home/events/ euro-cns-congress

#### 14th International Conference on Surface X-ray and Neutron Scattering (SXNS14)

July 10-14, 2016

New York, NY www.bnl.gov/sxns14

#### **Ultrapath XVIII**

July 10-16, 2016

Lisbon, Portugal http://congress.ultrapathxviii.org

#### Frontiers in BioImaging 2016

July 14-15, 2016

London, UK

Sponsor: Royal Microscopical Society Email: kate@rms.org.uk www.rms.org.uk/frontiers-in-bioimaging

#### **Diffraction Methods in Structural Biology: Gordon Research Seminar**

July 16-17, 2016

Lewiston, ME

www.grc.org/programs.aspx?id=16486

#### **IUPAC MACRO 2016: World Polymer** Congress

July 17-21, 2016

Istanbul, Turkey http://macro2016.org

#### **Novel Optical Materials and Applications**

July 18-21, 2016

Vancouver, BC, Canada www.osa.org/en-us/meetings/optics\_ and\_photonics\_congresses/advanced\_ photonics\_%281%29/novel\_optical\_ materials\_and\_applications\_%281%29

#### Flowcytometry UK Meeting -Advances in Novel Instrumentation, Applications and Approaches in Many **Areas of Biomedical Research**

July 20-22, 2016

Leeds, UK

www.rms.org.uk/discover-engage/eventcalendar/flowcytometryuk-meeting.html

#### ICCB 2016 - 12th International **Congress of Cell Biology**

July 21-25, 2016

Prague, Czech Republic http://iccb2016.org

#### 16th International Conference on **Atomic Layer Deposition (ALD 2016)**

July 24-27, 2016

Dublin, Ireland http://ald2016.com

#### Microscopy & Microanalysis 2016

July 24-28, 2016

Columbus, OH

Email: nicoleguy@conferencemanagers.com www.microscopy.org

#### 19th International Conference on Non-**Contact Atomic Force Microscopy**

July 25-29, 2016

Nottingham, UK

Sponsor: Institute of Physics

http://ncafm2016.iopconfs.org/home

#### 65th Annual Conference on **Applications of X-ray Analysis**

August, 1-5, 2016

Sponsor: Denver X-Ray Conference Rosemont, IL www.dxcicdd.com

#### International Conference on **Nanostructured Materials**

August 7-12, 2016

Quebec, Canada www.nano2016.org

#### **Fuel Cells**

August 7-12, 2016

Easton, MA

Sponsor: Gordon Research Conferences www.grc.org/programs.aspx?id=12882

#### **XXV International Materials Research** Congress

August 14-19, 2016

Cancun, Mexico

www.mrs.org/imrc-2016

#### XRM2016 - X-Ray Microscopy Conference 2016

August 15-19, 2016

Oxford, UK www.xrm2016.com

#### Surface Analysis 2016

August 16-18, 2016

Albany, NY Contact: Carl Ventrice

Email: cventrice@sunypoly.edu www.sunycnse.com

#### 252nd ACS National Meeting & **Exposition**

August 21-25, 2016

Philadelphia, PA

www.acs.org/content/acs/en/meetings/ nationalmeetings/meetings.html

# **POSEIDON** SELECT

## SEE THINGS IN LIQUID YOU NEVER THOUGHT POSSIBLE

Whether your research involves electrochemistry or only requires liquid heating or flow, Poseidon Select is the specific tool that serves as your single solution for any of these environments. Based on an EDS compatible TEM holder with plug-and-play features, this advantage enables you to begin studying hydrated materials, then as the scope of research evolves, add heating and/or electrochemistry options precisely when desired.

Fax: 919.377.0899



#### **Extracellular Vesicles**

August 21-26, 2016

Newry, ME

Sponsor: Gordon Research Conferences www.grc.org/programs.aspx?id=17267

#### **Biointerface International 2016**

August 23-25, 2016

Zurich, Switzerland http://biointerfaces.ch/international/2016/ index.php

## EMC 2016: 16th European Microscopy Congress

August 28-September 2, 2016

Lyon, France

Sponsor: European Microscopy Society http://emc2016.fr

## SCUR 2016 – 43rd Annual Meeting of SCUR

August 29-30, 2016

Lyon, France

www.scur.org/content/e1174/e1181/e1182

#### LSFM 2016: 3rd Light Sheet Fluorescence Microscopy International Conference

August 31-September 3, 2016

Sheffield, UK

Sponsor: Royal Microscopical Society Email: contact@lsfm2016.org www.lsfm2016.org

#### LEEM/PEEM-10 - Biennial Meeting Reviewing the Status of LEEM, PEEM, SPLEEM, XPEEM and Related Techniques

September 11-15, 2016

Monterey, CA

http://leempeem10.lbl.gov/home

#### Liposomes, Exosomes, and Virosomes: From Modeling Complex Membrane Processes to Medical Diagnostics and Drug Delivery

September 11-16, 2016

Ascona, Switzerland

www.biophysics.org/Meetings/ThematicMeetings/ UpcomingThematicMeetings/tabid/3864/ Default.aspx

## National Society for Histotechnology: 42nd Annual Symposium/Convention

September 16–21, 2016 Long Beach, CA

Sponsor: National Society for Histotechnology Email: histo@nsh.org www.nsh.org

#### MSE Congress - Symposium D01 -Advanced and *In-Situ* Microscopies and Spectroscopies of Functional Nanostructures in Materials Science and Engineering

September 27-29, 2016

Darmstadt, Germany www.mse-congress.de/home

#### AP 2016: XXXI International Congress of the International Academy of Pathology and ESP 2016: 28th Congress of the European Society of Pathology

September 28-30, 2016

Cologne, Germany www.esp-congress.org/2016

## Stress Evolution in Thin Films and Coatings: From Fundamental Understanding to Control (STRESS'16)

October 2-5, 2016

Chicago, IL

E-mail: ludvik.martinu@polymtl.ca www.avs.org

#### SPAOM 2016: The Spanish-Portuguese Meeting for Advanced Optical Microscopy

October 4-7, 2016

Bilbao, Spain

www.spaom2016.eu

#### CISCEM 2016: 3<sup>rd</sup> Intnl. Conference on *In-Situ* and Correlative Electron Microscopy

October 11-12, 2016

Saarbrücken, Germany http://ciscem2016.de

#### Frontiers in Optics: The 100th OSA Annual Meeting and Exhibit/Laser Science XXXII

October 17-21, 2016

Rochester, NY

E-mail: custserv@osa.org

www.osa.org/en-us/meetings/global\_calendar/ events/frontiers\_in\_optics\_the\_100th\_osa\_ annual\_meeting\_a

## 2016 International Experimental Biology and Medicine Conference

October 28-30, 2016

Chengdu, China www.iebmc.org

## AVS 63rd International Symposium and Exhibition

November 6-11, 2016

Nashville, TN Email: yvonne@avs.org www.avs.org

#### **Neuroscience 2016**

November 12–16, 2016

San Diego, CA

Sponsor: Society for Neuroscience www.sfn.org

#### 2016 MRS Fall Meeting & Exhibit

November 27-December 2, 2016

Boston, MA

www.mrs.org/fall2016

## American Society for Cell Biology (ASCB) 2016 Annual Meeting

December 3-7, 2016

San Francisco, CA

http://ascb.org/future-ascb-annual-meetings

#### MSSA2016: Microscopy Society of Southern Africa Annual Conference 2016

December 5-9, 2016

Port Elizabeth, South Africa www.mssa2016.co.za

#### Courses 2016

#### **Light Microscopy Summer School**

July 4-6, 2016

York, UK

Sponsor: Royal Microscopical Society

Email: karina@rms.org.uk www.rms.org.uk/LMschool

#### 5th Stanislaw Gorczyca European School on Electron Microscopy and Electron Tomography

July 5-8, 2016

Krakow, Poland

www.5sg-es.agh.edu.pl/index.php

#### **Getting the Most from Your Confocal**

July 7-8, 2016

York, UK

Sponsor: Royal Microscopical Society

Email: karina@rms.org.uk www.rms.org.uk/confocal

#### **Correlative Light Electron Microscopy**

July 10-15, 2016

Bristol, UK

http://events.embo.org/16-clem

## Techniques of Optical Crystallography (Optical Mineralogy)

July 18-22, 2016

Chicago, IL

Sponsor: McCrone Research Institute www.mccrone.com/techniques-of-opticalcrystallography-optical-mineralogy-course

#### **Digital Fluorescence Microscopy**

August 2-4, 2016

Chicago, IL

Sponsor: McCrone Research Institute www.mccrone.com/digital-fluorescencemicroscopy

## International Conference on Nanostructured Materials

August 7-12, 2016

Quebec City, Canada www.nano2016.org

#### ESRIC Super-Resolution Summer School 2016

August 8-12, 2016

Edinburgh, Scotland, UK www.esric.org/summer-school.html

#### Forensic Trace Evidence

August 8-12, 2016

Chicago, IL

Sponsor: McCrone Research Institute www.mccrone.com/forensic-trace-evidence

## **SEM & TEM Sample Preparation**

## Microscopy

#### **DESK V TSC**

Sample Coater

- Fully automated
- Minimize sample charge
- Reduce e-beam damage
- Increase secondary electron emissions

#### **BENCH TOP TURBO**

Evaporation Tool for Tissue and Life Science

- Carbon coating
- Sputtering
- AC glow discharge
- Low-voltage thermal evaporation



# Support Performance Value

#### DV-502

Large Sample, High Throughput Sputter & Evaporation

- Rotary shadowing for metals and carbon
- High vacuum gate valve for rapid cycling
- Recipe development

#### DENTONVACUUM

#### www.dentonvacuum.com

Enabling Innovation

All Denton Vacuum Microscopy tools are backed by a 12 month warranty, over 50 years of process knowledge, an in-house process engineering group, worldwide support, and Global factory service center.

To learn more about how to better prepare your samples, contact your electron microscope manufacturer or call us at +1-800-666-6004



#### USA

+1 608 298 0855 sales@madcitylabs.com www.madcitylabs.com **Europe** 

+41 (0)58 269 8017 sales@madcitylabs.eu www.madcitylabs.eu



#### Analysis of Low Explosives

August 23-25, 2016

Chicago, IL

Sponsor: McCrone Research Institute www.mccrone.com/analysis-of-low-explosives

## Microspectroscopy: Functional Imaging of Biological Systems

September 6-15, 2016

Wageningen, The Netherlands www.microspectroscopy-course.eu

#### Flow Cytometry Course

September 12-16, 2016

York, UK

Sponsor: Royal Microscopical Society Email: karina@rms.org.uk www.rms.org.uk/discover-engage/eventcalendar/flow-cytometry-course.html

#### **Polarized Light Microscopy**

September 19-23, 2016

Chicago, IL

Sponsor: McCrone Research Institute www.mccrone.com/polarized-lightmicroscopy-course

#### Imaging the Immune System

September 20-21, 2016

Rehovot, Israel

Sponsor: FEBS Practical Courses Email: ronen.alon@weizmann.ac.il www.febs.org/our-activities/advancedcourses/2016-advanced-courses

#### **Transmission Electron Microscopy**

October 11-13, 2016

Chicago, IL

Sponsor: McCrone Research Institute www.mccrone.com/transmission-electronmicroscopy-tem-course

#### **Sample Preparation Techniques**

October 11-13, 2016

Chicago, IL

Sponsor: McCrone Research Institute www.mccrone.com/microscopic-particle-handling-particle-isolation-manipulation-and-mounting-course

#### **Scanning Electron Microscopy**

October 24-28, 2016

Chicago, IL

Sponsor: McCrone Research Institute www.mccrone.com/transmission-electronmicroscopy-tem-course

#### **Polarized Light Microscopy**

November 6-December 2, 2016

Chicago, IL

Sponsor: McCrone Research Institute www.mccrone.com/polarized-lightmicroscopy-course

#### **Infrared Microscopy**

November 7-9, 2016

Chicago, IL

Sponsor: McCrone Research Institute www.mccrone.com/infraredmicroscopy-course

#### Meetings 2017

#### **Biophysical Society 61st Annual Meeting**

February 11-15, 2017

New Orleans, LA

www.biophysics.org/Meetings/AnnualMeeting/ Future/tabid/495/Default.aspx

#### Pittcon 2017 Conference & Expo

March 5-9, 2017

Chicago, IL

http://pittcon.org/pittcon-2017

#### **Novel Techniques in Microscopy**

April 2-5, 2017

San Diego, CA

E-mail: custserv@osa.org

www.osa.org/en-us/meetings/global\_calendar/ events/novel\_techniques\_in\_microscopy\_ %281%29

#### 253rd ACS National Meeting & Exposition

April 2-6, 2017

San Francisco, CA www.acs.org/content/ac

www.acs.org/content/acs/en/meetings/ nationalmeetings/meetings.html

#### Focus on Microscopy 2017

April 9-12, 2017

Bordeaux, France

www.focusonmicroscopy.org

#### 2017 MRS Spring Meeting & Exhibit

April 17-21, 2017

Phoenix, AZ

www.mrs.org/spring2017

#### American Society for Investigative Pathology Annual Meeting

April 22-26, 2017

San Francisco, CA

www.asip.org/meetings/EB\_future.cfm

#### ICMCTF'17 - International Conference On Metallurgical Coatings & Thin Films

April 24-28, 2017

San Diego, CA

Contact: Phyllis Greene

Email: pgreene@mrl.uiuc.edu

#### PICO 2017 – Fourth Conference on Frontiers of Aberration Corrected Electron Microscopy

April 30-May 4, 2017

Kasteel Vaalsbroek, The Netherlands www.er-c.org/pico2017/about.htm

#### EMAS 2017 - 15th European Workshop on Modern Developments and Applications In Microbeam Analysis and IUMAS VII

May 7-11, 2017

Konstanz, Germany

Email: luc.vantdack@uantwerpen.be www.microbeamanalysis.eu/events

## European Conferences on Biomedical Optics (ECBO)

June 25-29, 2017

Munich, Germany

www.osa.org/en-us/meetings/topical\_meetings/ european\_conferences\_on\_biomedical\_optics

## Microscience Microscopy Congress and EMAG2017 (mmc2017)

July 3-6, 2017

Manchester, UK

Sponsor: Royal Microscopical Society Email: contact@mmc-series.org.uk www.mmc-series.org.uk

#### Microscopy & Microanalysis 2017

July 23-27, 2017

St. Louis, MO

 $\label{lem:lemons} Email: nicoleguy@conferencemanagers.com\\www.microscopy.org$ 

#### **Denver X-ray Conference**

July 31-August 4, 2017

Big Sky, MT

www.dxcicdd.com/aboutdxc.htm

## 254th ACS National Meeting & Exposition

August 20-24, 2017

Washington, DC

www.acs.org/content/acs/en/meetings/ nationalmeetings/meetings.html

## National Society for Histotechnology 43rd Annual Symposium/Convention

September 15-20, 2017

Orlando, FL

Sponsor: National Society for Histotechnology Email: histo@nsh.org www.nsh.org

## AVS 64th International Symposium and Exhibition

October 29-November 3, 2017

Tampa, FL

Contact: Yvonne Towse Email: yvonne@avs.org www.avs.org

#### Neuroscience 2017

November 11-15, 2017

Washington, DC

Sponsor: Society for Neuroscience www.sfn.org

#### 2017 MRS Fall Meeting & Exhibit

November 26-December 1, 2017

Boston, MA

www.mrs.org/fall2017

## American Society for Cell Biology (ASCB) 2017 Annual Meeting

December 2-6, 2017

Philadelphia, PA

http://ascb.org/future-ascb-annual-meetings

#### Courses 2017

#### Scanning Electron Microscopy

March 6-10, 2017

Chicago, IL

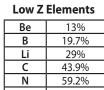
Sponsor: McCrone Research Institute www.mccrone.com/scanning-electronmicroscopy-course

## **Amptek FAST SDD® EDS (SEM) Applications**



Amptek's FAST SDD® detector for EDS use with SEMs utilizes new technology "C2 Series" X-ray windows (Si<sub>2</sub>N<sub>4</sub>) and has an excellent low energy response. Its high intrinsic efficiency makes it ideal for EDS XRF. See why Amptek detectors are the #1 choice of OEMs worldwide.

Water tight detector window!



**Transmission for** 

0 62% F 69% Ne 72.9% Na 75.1% Mg 77.3% ΑI 80.3%



OEM's #1 Choice



www.amptek.com



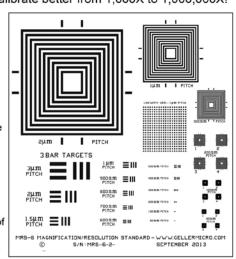
81.8%

## MRS-6

We are ISO-9000 certified and ISO-17025 accredited Microscopy Calibration Standard

Now you can calibrate better from 1,000X to 1,000,000X!

This is our fifth generation. traceable, magnification reference standard for all types (SEM, FESEM, Optical, STM, AFM, etc.) of microscopy. The MRS-6 has multiple X and Y pitch patterns ranging from 80nm (±3 nm) to 2µm and 3 bar targets from 80nm to 3µm. There is also a STM test pattern. Definition of the 80 nm pitch pattern is excellent.





#### **GELLER** MICROANALYTICAL LABORATORY, Inc.

426e BOSTON ST., TOPSFIELD, MA 01983-1216 TEL: 978 887-7000 FAX: 978-887-6671 www.GellerMicro.com



### **Microtechnics®**

SEM/EDS, LM, macrophoto

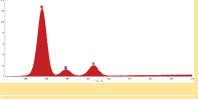


#### **Available Services**

- Off-load overflow workload
- **High resolution FESEM**
- EDS element analysis, mapping, Phase maps
- Transmitted LM
- Stereo zoom, photo zoom
- Digital capture
- Image processing
- Technical data collection and reports
- Image your SEM stubs







916.791.8191

www.microtechnics.com



## Quantitative Electron Microscopy School

May 22-June 2, 2017

St-Aygulf, France http://qem2017.sciencesconf.org

#### **Meetings 2018**

#### **Biophysical Society 62nd Annual Meeting**

February 17-21, 2018

San Francisco, CA www.biophysics.org/Meetings/AnnualMeeting/ Future/tabid/495/Default.aspx

#### American Society for Investigative Pathology Annual Meeting

April 18-22, 2018

San Diego, CA www.asip.org/meetings/EB\_future.cfm

#### FENS Forum 2018

July 7-11, 2018

Berlin, Germany Email: forum2018@fens.org www.fens.org/About-Neuroscience/Calendar/ Meetings/2018/07/FENS-Forum-2018

#### Microscopy & Microanalysis 2018 August 5-9, 2018

Baltimore, MD

Email: nicoleguy@conferencemanagers.com www.microscopy.org

#### **Denver X-ray Conference**

**August 6-10 August, 2018** 

Westminster, CO www.dxcicdd.com/aboutdxc.htm

#### Neuroscience 2018

November 3-7, 2018

San Diego, CA

Sponsor: Society for Neuroscience www.sfn.org

## American Society for Cell Biology (ASCB) 2018 Annual Meeting

December 8-12, 2018

San Diego, CA

http://ascb.org/future-ascb-annual-meetings

#### **Meetings 2019**

#### Microscopy & Microanalysis 2019

August 4-8, 2019

Portland, OR

Email: nicoleguy@conferencemanagers.com www.microscopy.org

#### **MC2019 Microscopy Conference**

September 1-5, 2019

Berlin, Germany

#### **Neuroscience 2019**

October 19-23, 2019

Chicago, IL

Sponsor: Society for Neuroscience

www.sfn.org

#### **Meetings 2020**

#### FENS Forum 2020

July 11-15, 2020

Glasgow, Scotland

Email: forum2018@fens.org

www.fens.org/About-Neuroscience/Calendar/ Meetings/2020/07/FENS-Forum-2020

#### Microscopy & Microanalysis 2020

August 2-6, 2020

Milwaukee, WI

#### Neuroscience 2020

October 24-28, 2020

Washington, DC

Sponsor: Society for Neuroscience

www.sfn.org

#### **Meetings 2021**

#### Neuroscience 2021

November 13-17, 2021

Chicago, IL

Sponsor: Society for Neuroscience

www.sfn.org

# **Corion® Optical Filters**

#### **Unique Capabilities - Superior Solutions**

- Hard-coated/Single-element
   Brilliant fluorescence imaging
- Hard-coated/Laminated-multi-element
   Highest signal-to-noise ratios
- Rapid Prototyping
   Custom Design/Manufacturing
- **High index contrast**Best value



Visit us at www.newport.com