



The MMS Scope

Minnesota Microscopy Society

Local affiliate of the **Microscopy Society of America**
and the **Microanalysis Society**

sept 2018

In this Issue:

Fall program:

Trip to Mayo Clinic Microscopy Lab and Proton Beam line. Plan to participate in this exciting tour and technical talk in Rochester, Minn. Mark your calendar today and register by **midnight Saturday, Sept. 15.**

Coming up:

Microscope outreach on Oct 11, Microscope Day on Nov 3, a brewery event in November, MinnTS in March, and Spring Symposium on May 3, 2019.

Also:

AVS has their annual symposium on Sep. 19.



Trip, Tour & Presentation at **The Mayo Clinic Microscopy and Cell Analysis Core and Proton Beam Therapy Facility**



Jeffrey L. Salisbury, Ph.D.

Professor of Biochemistry and Molecular Biology at Mayo Clinic in Rochester, MN, and Scientific Director of Mayo's Microscopy & Cell Analysis Core.



LOCATION*

Mayo Clinic Microscopy and Cell Analysis Core (MCAC)
Guggenheim Building
Rochester, MN 55905



MCAC occupies more than 5,000 sq. ft. with offices and lab space located in the Guggenheim Building on the 14th floor at Mayo's Rochester campus.

*MMS has arranged for a bus to drive participants to and from Rochester.



RESERVATIONS

Cost:

- Member: \$20 + dinner
- Student: \$5 + dinner

Registration deadline:

Saturday, Sept. 15, 11:59 p.m.

Reserve a spot today via PayPal:



www.mnmicroscopy.org/events

(NOTE: Scroll down to the "MAKE YOUR RESERVATION" button at the bottom.)



SCHEDULE on SEP 20* *see page 2 for additional itinerary details

- | | |
|------------------|--|
| 12:45 p.m. | Bus departs Ebatco in Eden Prairie |
| 3:00 – 5:30 p.m. | Tour Mayo Clinic Proton Beam line and EM lab, and attend seminar |
| 5:30 – 7:00 p.m. | Dinner at local restaurant |
| 7:00 p.m. | Bus returns to Ebatco |

MMS Fall Kickoff Event | continued



FULL ITINERARY

11:00 am – 12:30 pm	Tour of Ebatco and box lunch provided by Ebatco <i>(Optional – please see note below to register for this.)</i>
12:30 pm	Board bus at Ebatco 10025 Valley View Road, Suite 150, Eden Prairie, MN
12:45 pm	Bus departs from Ebatco
3:00 pm – 5:30 pm	Tour of Mayo Clinic Proton Beam line, EM lab, and Seminar: "Microscopy at Mayo: The Value of High Resolution Cell and Tissue Architecture to Research and Clinical Pathology."
5:30 – 7:00 pm	Dinner at local restaurant
7:00 pm	Bus returns to Ebatco in Eden Prairie, arrival approx. 9:00 pm.

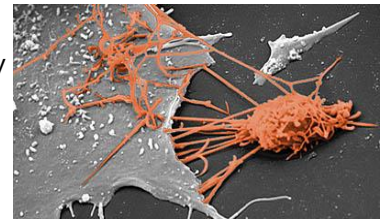
If you plan to attend the 11:00 am tour and box lunch at Ebatco, please RSVP separately to reservations@mnmicroscopy.org so that we may provide Ebatco with an accurate lunch count. There is no additional cost to attend the Ebatco event.



ABOUT THE SPEAKER & LABS



Jeff Salisbury is Scientific Director of Mayo Clinic's Microscopy and Cell Analysis Core. The Microscopy and Cell Analysis Core is a Mayo Clinic resource facility equipped and expertly staffed to provide specimen preparation, light and electron microscopy, multiparameter flow analysis and cell-



sorting services, including a newly acquired Thermo Apreo VolumeScope with serial block-face sectioning and imaging.

Mayo Clinic's Proton Beam line includes the latest form of proton beam therapy, using spot scanning to deposit streams of protons back and forth through a tumor, closely targeting the tumor and sparing healthy tissue. The facility has four proton beam treatment rooms equipped with pencil beam scanning and a large proton beam-generating synchrotron.





CALENDAR of EVENTS

11 OCT 2018

PROJECT MICRO School Outreach
 Saint Wenceslaus Catholic School
 New Prague, Minn.
 5:30 – 7:30 p.m.



3 NOV 2018

Microscope Day
 Minnesota Science Museum
 St. Paul, Minn.
 12:00 – 4:00 p.m.



NOV 2018

Fall Social/Brewery Event
 location and date/time tbd



MAR 2019

17th Annual MinnTS (Minnesota Technical Symposium)
 Ecolab Schuman Campus
 Eagan, Minn.
 5:00 – 9:00 p.m.



3 MAY 2019

MMS Spring Symposium
 Minnesota Science Museum
 St. Paul, Minn.
 7:30 a.m. – 4:00 p.m.



ADDITIONAL EVENTS OF INTEREST

19 SEP 2018

AVS MN Chapter Annual Symposium
 Continuing Education Center and Conference Center
 University of Minnesota St. Paul Campus
 St. Paul, Minn.
 1:00 p.m. – 7:30 p.m.



Theme: At the Intersection of Nature and the Laboratory.
 Registration deadline: September 12.

[Symposium agenda](#)

[Registration form on AVS site](#)



MMS Cash Flow Summary 01/01/2018 through 09/01/18

INCOME

Dues

Corporate	3,000.00
Patron	475.00
Regular	330.00
Student	40.00
Sustaining	400.00

Total Dues	4,245.00
Interest Income	30.60
MinnTS Meeting Registration	2,756.46
Miscellaneous Income	100.00
Spring Symposium Income	6,785.00

TOTAL INCOME **13,917.06**

EXPENSES

PayPal Credit Card Fees	361.59
Insurance	326.17
Meeting Expenses:	
MMS Regular Meeting Expenses	200.00
MinnTS Meeting Expenses	2,778.65
Total Meeting Expenses	2,978.65
Miscellaneous	0.00
Newsletter	500.00
Project Micro	44.98
Spring Symposium Expense	6,909.05

TOTAL EXPENSES **11,120.44**

OVERALL TOTAL **2,796.62**



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Corporate Sponsors are the backbone of financial support for the Society. These members make it possible for the Society to support Project Micro and to cover many expenses of the regular meetings and the Spring Symposium. MMS gratefully acknowledges the corporate sponsorships provided by the following companies in 2016-2017. To become a Corporate Sponsor, complete and return the MMS membership form at the end of the newsletter.

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The Minnesota Microscopy Society would like to express sincere thanks to our Sustaining and Patron Members. These members provide financial support to the organization above the standard membership fee. This additional support makes it possible for MMS to maintain its financial well being. To become a Patron or Sustaining Member, complete and return the MMS membership form at the end of the newsletter.

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MINNESOTA MICROSCOPY SOCIETY | MEMBER INFORMATION FORM

All microscopists are urged to support their Society at one of the membership levels offered below. Often, supervisors will support MMS memberships out of their project budget because they recognize that it is a very inexpensive way to maintain and increase the skills of their microscopists. If you have been a member over the years and recognize the value of MMS to the community of microscopists it serves, consider upgrading your membership this year to the Patron or Sustaining level. Thank you.

Dr Mr Mrs Ms First Name _____ Last Name _____

Affiliation _____ Phone (_____) _____

Street Address _____

City _____ State _____ ZIP _____

E-mail address _____

(Newsletter notifications will be e-mailed to the address above.)

Are you an MSA member? MAS Member?

Student (\$5-\$9) Basic (\$10-\$24) Patron (\$25-\$99) Corporate/Sustaining (\geq \$100)

Payment: Check PayPal

(Please go to mnmicroscopy.org/membership to make your payment via PayPal.)

Make checks payable to MMS and mail to our Treasurer:

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E-mail: treasurer@mnmicroscopy.org