



The MMS Scope

Minnesota Microscopy Society

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

november 2018

In this Issue:

MMS FALL SOCIAL— Summit Ratskeller and Brewery Tour:

Join us for a visit to Summit's St. Paul craft brewery on Thursday, Dec. 6 starting at 6pm. Enjoy the newly renovated taproom and seasonal selections as well as food available from an onsite food truck.

Up ahead:

MinnTS on March 7 at Ecolab and Spring Symposium on May 3. Save these dates on your calendar now and plan to participate!

Thank you, volunteers!

A big thank you to all MMS volunteers who gave their time to the 10th *Microscope Day* on Nov. 3, 2018 at the Science Museum.

Mayo Memories

See what you missed at the MMS Sept. tour of Mayo Clinic's Microscopy and Cell Analysis Core and Proton Beam Facility, pages 4-6.

December 6, 2018

Tour & Visit of SUMMIT Brewing Company



Take a guided tour of the St. Paul brewery and sample brewery-fresh Summit drafts.



TIME

5:00 p.m. Gather at Summit

6:00 p.m. Brewery tour



LOCATION

[Summit Brewing Co.](#)

910 Montreal Cir,
St. Paul, MN 55102

[Google map/directions](#)



RESERVATIONS

The event is free, aside from the cost of food/beverages you choose to purchase.

If you plan to attend, **RSVP by December 3** at reservations@mnmicroscopy.org so organizers have an estimate of tour participants.



Newly remodeled
Summit Brewing
taproom ("ratskeller")



CALENDAR of EVENTS

7 MAR 2019

17th Annual MinnTS (Minnesota Technical Symposium)

Ecolab Schuman Campus

Eagan, Minn.

5:00 – 9:00 p.m.

3D Printing

Confirmed speaker to date:

Michael McAplime, Univ. of Minnesota –

“3D Printing for Medical Reconstruction”



3 MAY 2019

MMS Spring Symposium

Minnesota Science Museum

St. Paul, Minn.

7:30 a.m. – 4:00 p.m.





THANK YOU



Thank you, Project MICRO Volunteers!

Project MICRO

Project MICRO participated in the 10th Annual Microscope Day on November 3, 2018, at the Science Museum of Minnesota. Thank you to all the MMS volunteers who donated their time to make the event another success! The stations and volunteers were:

Up Close!

Renu Kumar
Rajesh Kumar

Sand

Dave Burleson
Mara Burleson

Lights, Camera, Microscope

Mark Sanders
Rowan Sanders

Microscopes Galore

Christina Jones (*a new volunteer for our group---WELCOME!*)
Jeff Payne

Fingerprints

Eric Morrison
Mia Morrison
Muriel Gavin
Burton Gavin

Everday Cool Stuff

Jacob Held
Tiffany Senkow

THANK
YOU!

Special thanks as well to Dan Heieren and Laura Pyne from Lake Region Optics for showing The Lunchbox Microscope as part of the event.

It was a fun a day and MMS even got some press in the *Star Tribune* that morning!

STAR TRIBUNE • E5

Microscope Day

View the tiniest of objects not easily seen with eyes during this day of discovery. Members of the Minnesota Microscopy Society will share demonstrations and exhibits. Kids and adults can peek into the tiny worlds that inhabit everyday life. Noon-4 p.m. today. \$12.95-\$18.95. Science Museum of Minnesota.





SEPTEMBER 2018 MAYO CLINIC TOUR PHOTO ALBUM



Thanks to all who participated in the tours of the Mayo Clinic Microscopy Lab and the Proton Beam Line on September 20, 2018. The day started with lunch and a tour of Ebatco. Dehua Yang provided a great tour of their new space, and their analytical labs.



Original Mayo building

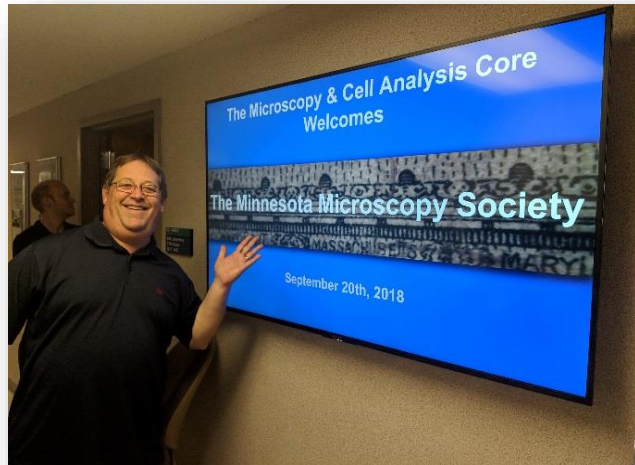
Next, we boarded a bus to head down to the Mayo Clinic in Rochester, Minn. Jeff Salisbury, Trace Christensen, and the rest of the Mayo Clinic microscopy team provided a great tour of the Proton Beam line and the Mayo Clinic Microscopy labs. Jeff gave a great talk on the progress they have made with their newly-acquired Thermo Scientific VolumeScope with serial block face sectioning and imaging capabilities.



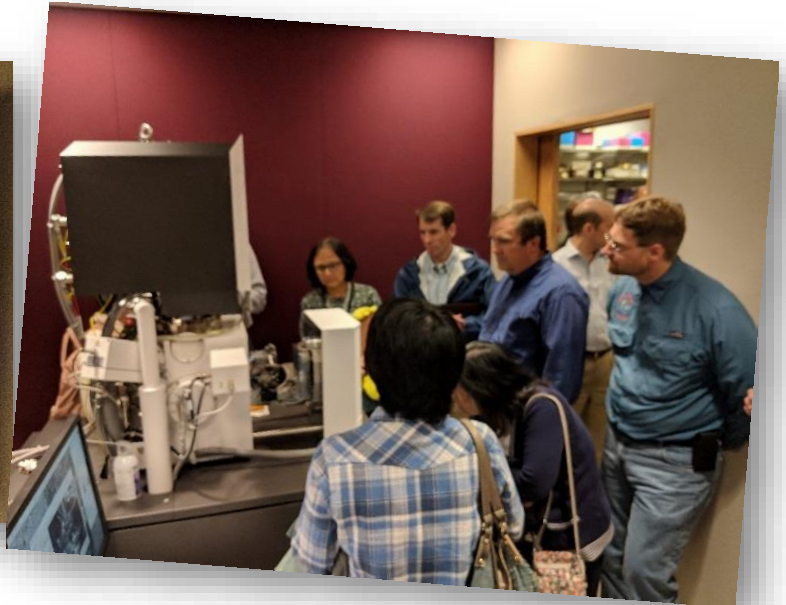
Proton Beam therapy room



MAYO CLINIC PHOTO ALBUM - 2



Mayo Clinic Microscopy Lab



VolumeScope™ SEM



Presentation from Jeff Salisbury



Bus ride home

Afterward, we grabbed some food and drinks at Dooley's (also known as conference room D!) and enjoyed good conversation with our fellow microscopists!

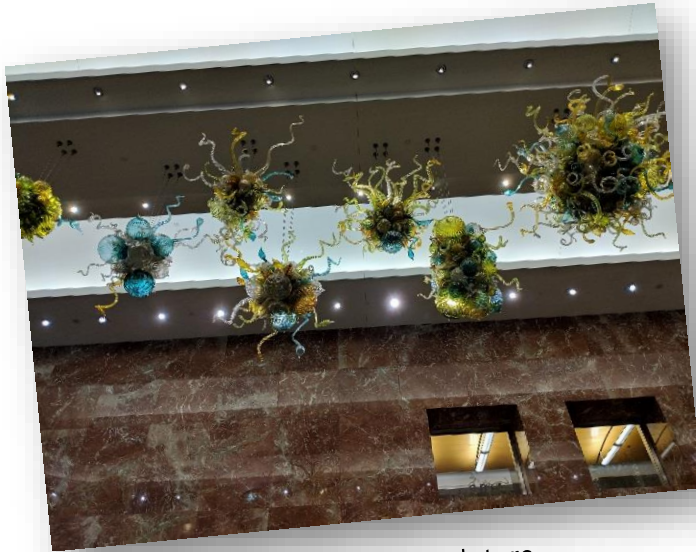
A special thanks goes out to Jeff Salisbury and Trace Christensen and their entire team for a wonderful tour, and for sharing their exceptional work in the field of microscopy!



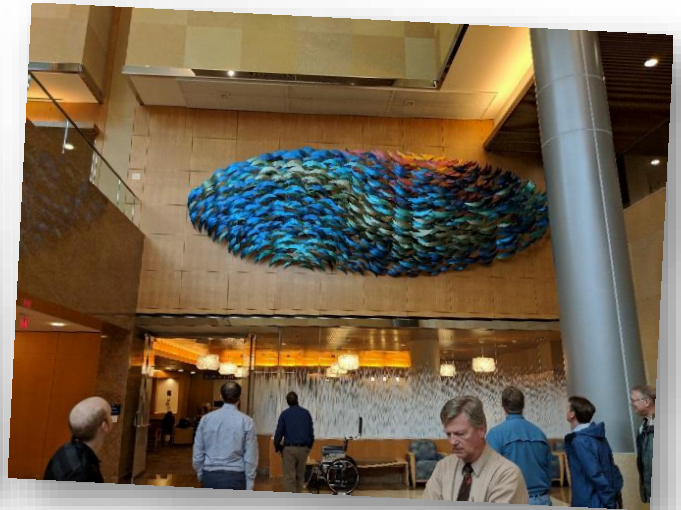
MAYO CLINIC PHOTO ALBUM - 3

THE ART of MAYO CLINIC

Below are a few shots of some of the beautiful artwork around the Mayo campus attendees admired during their tour. Note the ones inspired by microscopes!



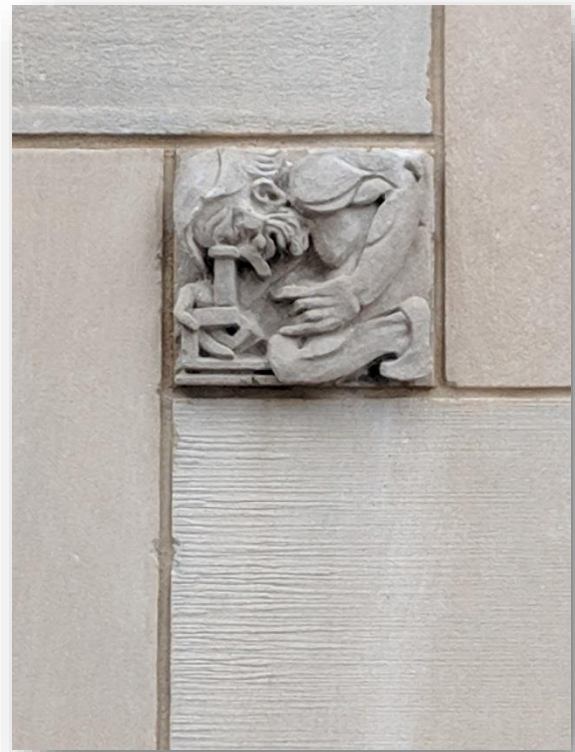
Hanging Glass Sculpture



Entrance to Proton Beam Therapy



Brass doors at a Mayo entrance



Microscope sculpture on side of the building



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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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Dr Mr Mrs Ms First Name _____ Last Name _____

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Payment: Check PayPal

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