

The Focal Point

Newsletter for the Indiana Microscopy Society
February, 2006

Volume 2, Issue 1

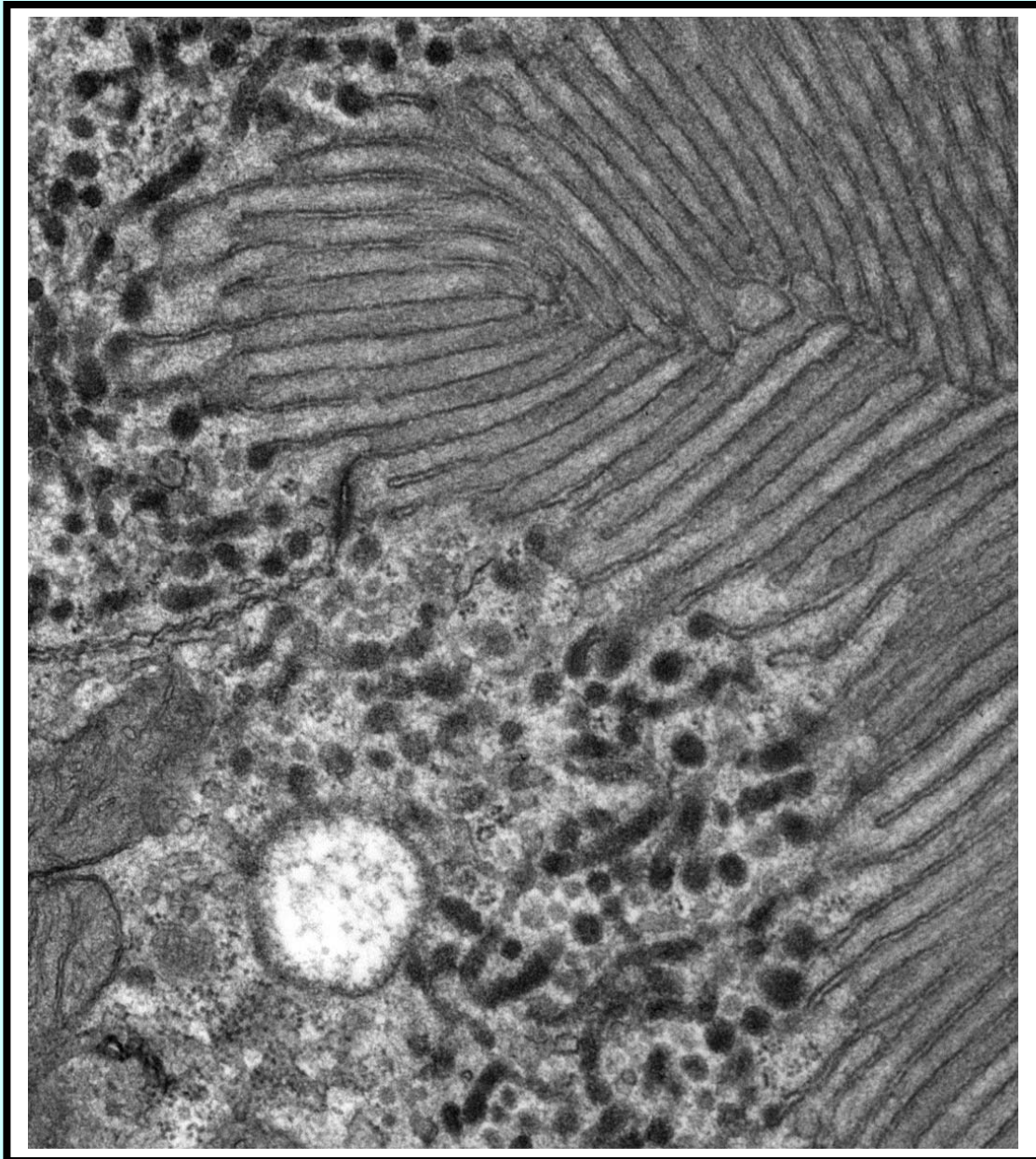


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About the Cover

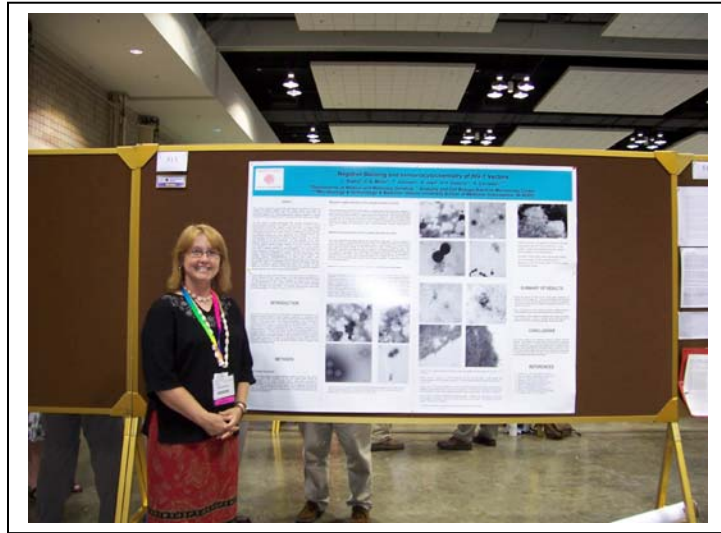
The cover is a transmission electron micrograph of a rat kidney proximal tubule fixed in standard primary fixative and post fixed with osmium and imidazole. The imidazole-osmium fixation enhances the endocytic compartment of the tubule. Carole Miller, Electron Microscopy Center, Indiana University School of Medicine, Indianapolis, IN.

Microscopy and Microanalysis 2005



Microscopy and Microanalysis 2005 was held in Honolulu, Hawaii from July 31-August 4. What can I say----a beautiful place to have a meeting. Despite the convention center being quite a distance from the hotels and the shuttle buses not being run at convenient times or sometimes not at all, the meeting was well attended. We had a chance to taste some great seafood, experience the surf with Hawaiian music and dancers. Microscopists from the Indiana Microscopy Society who attended were myself, Janice Pennington, Sharon Bledsoe, Mike Esterman and Mike Goheen.

The hot topic of discussion at last year's meeting was the possible merger of MSA (Microscopy Society of America) and MAS (Microbeam Analysis Society). The merger was not well received and put on hold indefinitely. Janice did an extremely good job of organizing the Book Display for the Mega Booth as part of her duties on the Educational Committee. I still had to deal with the Traveling Posters. As part of my duties as the INMS Affiliate liaison I attended the LAS (Local Affiliate Societies) breakfast meeting. Speakers included the president elect, Jay Jerome and past president Mary Grace Burke. Lou Ross from the University of Missouri was elected the new national LAS director for a 3 year term. How to increase membership was the major topic. Doing my part to help I am now on the MSA membership committee. MSA would like to encourage all LAS members to also become MSA members. To all INMS/MSA members, let me know if there is anything you want changed or improved upon as part of your membership.



I also found time to present my own poster, titled, "Negative Staining and Immunocytochemistry of HIV-1 Vectors." I wish to thank everyone who helped with this poster.

The 2006 M & M meeting will be held in Chicago at the Navy Pier from July 30-August 3 under new management. Besides a great scientific program there will be plenty of non-scientific things to do. The proximity of this meeting will be convenient for all Indiana members. We encourage all, especially students, to think about submitting an abstract.

-Carole Miller, Liaison to the Microscopy Society of America



Fall Meeting of the INMS at Eli Lilly

The fall meeting of the INMS was held on October 31st at Eli Lilly in Indianapolis, with Mike Esterman and Jeff Hanson as the hosts. We had two excellent speakers, Dr. Ted Hinchcliffe, from the University of Notre Dame who talked about Live Cell Imaging and Sergeant Mark Keisler from the Indiana State Police Laboratory whose talk was about the use of forensic microscopy. Approximately 43 microscopists attended.



Dr. Ted Hinchcliffe, Dr. Vincent Gattone, and Sergeant Mark Keisler



Left: Sharon Bledsoe and Heather Ward welcome microscopists to the meeting.

Right: Mike Esterman from Eli Lilly worked closely with INMS program chair, Carole Miller, to put together the Fall Meeting





Left: Gary Rosenberg, Jim Liddle,
Bob Walson and Mark Keisler

Right: Peggy Harger-Allen,
and Weihong Lei



Left: Zhong Wang, Pam Young,
Sherry Babb-Clendenon



Right: Vince Gattone and
Sharon Ashworth



Attention All Faculty, Staff and Students
The Spring Meeting of the
Indiana Microscopy Society

will be Monday, March 20th at the

University of Notre Dame, South Bend, IN

8 AM until 3:15 PM in the McKenna Hall Conference Center

Guest Speakers:

Daphna Yaniv, PhD, Electron Microscopy Sciences/Quantomix
"EM of Fully Hydrated Samples"

Eva Chin, PhD, University of Chicago
**"Role of Cell Membrane in the Pathogenesis of
Alzheimer's Disease"**

Alex Kandel, PhD, University of Notre Dame
**"Structure and Dynamics of Organic Molecules on
Surfaces, One Molecule at a Time"**

There will be a best Micrograph and Student Poster Competition

A Tour of the Notre Dame Campus will be offered at 3:15

Registration is \$10 for members, \$20 for non-members

Students are free with membership

Breakfast and Lunch Provided

**Registration for the Indiana Microscopy Meeting
University of Notre Dame
March 20, 2006**

Name _____
Address _____
Affiliation _____
Phone Number _____
E-mail Address _____

Member _____ Non-Member _____
Student _____ Faculty/Staff _____

Fees, \$10 for members, \$20 for non-members, students free

Faculty/Staff Poster for Presentation____ (Please include abstract)

Poster for Student Competition____ (Please include abstract)

Send Abstracts and Registration to: Caroline Miller
635 Barnhill Dr., MS 5065
Dept. of Anatomy & Cell Biology
IU School of Medicine
Indianapolis, In 46202

Tour of Notre Dame Campus _____
End of Meeting, 30-minute campus tour

Student Poster Contest

- Must be a registered student at a college or university in Indiana
- Poster may be new or may have been presented at a previous meeting
- Will be judged by popular vote
- Easels and pins for the posters will be provided
- Winner will receive \$50 and be recognized in the society newsletter
- Send your poster abstract to Caroline Miller at camiller@anatomy.iupui.edu , or mail to the above address

Micrograph Contest

- Bring your favorite image in a printed 8X10 format for all to enjoy
- Will be judged by popular vote
- \$25 each, for the best biological and physical science image.

**Winners will be announced at lunch
Must be registered for the meeting to win**

Spring Meeting of the Indiana Microscopy Society
University of Notre Dame, South Bend, IN
March 20th, 2006

8:00-9:00 AM	Registration, Posters and Vendors Set Up, Breakfast Provided, Registration: \$10 members, \$20 for non-members, students free
9:00-10:00 AM	Poster and Vendor Viewing, Voting for Poster and Micrograph Contest
10:00-10:45 AM	"EM of Fully Hydrated Samples" , Daphna Yaniv, PhD, Electron Microscopy Sciences/ Quantomix,
11:00-11:30 AM	Business Meeting for all membership, Winners Announced for Poster and Micrograph Contest
11:45-12:45 PM	Box Lunch Provided
1:00-2:00 PM	"Role of Cell Membrane in the Pathogenesis of Alzheimer's Disease" , Eva Chin, PhD, Department of Chemistry, University of Chicago
2:15-3:15 PM	"Structure and Dynamics of Organic Molecules on Surfaces, One Molecule at a Time" , Alex Kandel, Department of Chemistry and Biochemistry, University of Notre Dame
3:15-4:00 PM	Tour of the Campus, Posters Down, Meeting Over, Refreshments, Van leaves for Indy

Dear INMS Members,

Microscopy and Microanalysis, 2005 held in Honolulu, Hawaii, was enjoyable to say the least. Besides our duties on the Education Committee and going to posters and seminars, Carole and I were able to rent a car and drive around the island. We visited the Waimea Valley Audubon Center where we saw many beautiful botanical specimens, and the endangered Common Moor Hen. The highlight for me was a large Green Sea turtle which graced us with its presence on the North Shore of Oahu, only hours before we came home (see page 4).

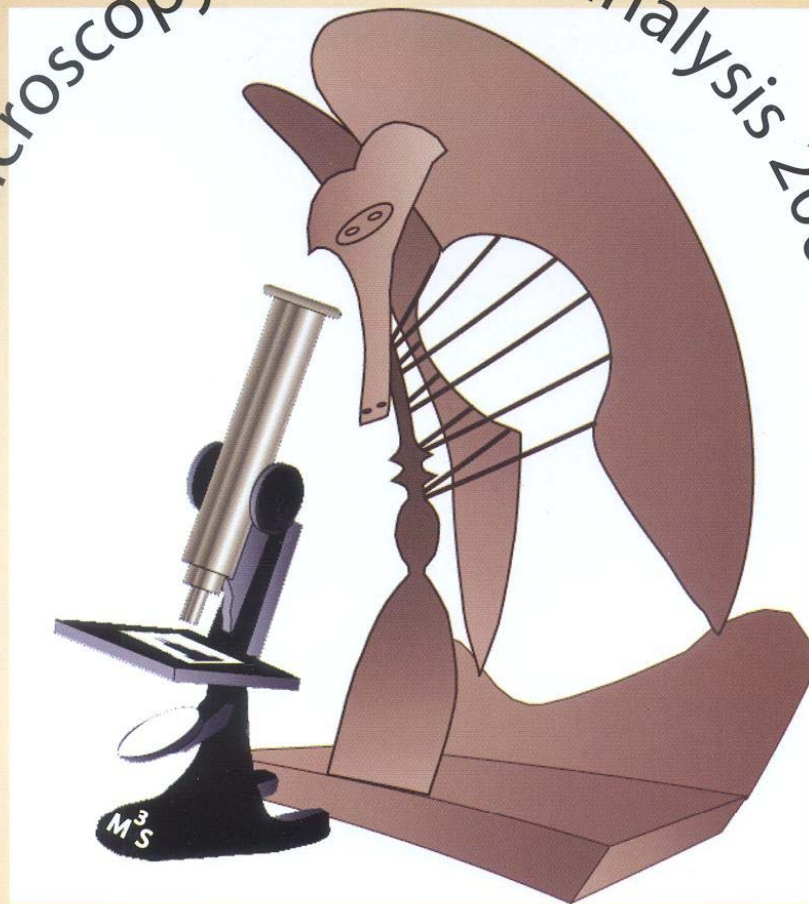
Closer to home, we held our fall meeting in October at Eli Lilly on the Indianapolis campus. As you can see I was busy taking pictures. I know that I missed a lot of people so maybe we will try for a group photo at the spring meeting.

I would like to thank Alan Nicholls, newsletter editor for Midwest Microscopy and Microanalysis Society (M3S), for sending the flyer for Microscopy and Microanalysis 2006, which will be in Chicago. If you would like to promote the meeting you can print this flyer and put it up in your lab or Department. M&M 2006 which will be July 30 - August 3, will be a great opportunity for microscopist in this area to learn about the latest techniques in all forms of microscopy. This is one of a handful of meetings that will showcase the latest electron microscopes in the Exhibit hall. The deadline for abstracts for this meeting is February 15, 2006.

Our spring meeting on March 20th at Notre Dame is quickly approaching. We will try to carpool or rent a University van, so if you are interested in sharing a ride contact Carole. We will have a student poster competition and a micrograph competition. The winning micrograph will be on the cover of the next Focal Point.

Janice Pennington
Newsletter Editor
Indiana Microscopy Society

Microscopy and Microanalysis 2006



CHICAGO, ILLINOIS

July 30-August 3

MSA ~ MAS ~ IMS ~ MSC/SMC

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