



Sigma Xi - The Scientific Research Society
University of Michigan Chapter
Member Nomination and Banquet Reminder 2018

Winter 2017-2018

Volume 24 - Number 1

PAST EVENTS

2017

Annual Banquet and Initiation
April 19, 2017



Daniel Fisher, Ph.D.
The Bristle Mammoth - Still Evolving

2016

Annual Banquet and Initiation
April 20, 2016



Rebecca Lange, Ph.D.
Supervolcano Eruptions

UPCOMING

2018

Annual Banquet and Initiation
Thursday, April 19, 2018



Fred Becchetti, Ph.D.
Department of Physics

The Magic of Science

Prof. Becchetti is an emeritus faculty member in the Department of Physics and a Fellow of the American Physical Society. His research is aimed at understanding how new elements were created in the Big Bang. He is an amateur magician and enjoys illustrating scientific principles through magic.

NOMINATIONS 2018

Nominations are due by March 15, 2018

Forms are available at: [NOMINATIONS 2018](#)

Thanks to a generous donation in memory of Sigma Xi member Harold Zepelin, Ph.D. the Chapter will pay the first year membership and initiation fees for the first twenty new members. The Chapter relies on members to nominate individuals for either Full or Associate membership based upon the nominee's stage of professional development. Associate members will also be considered for promotion to full membership.

- A Nomination Form can be downloaded from the Chapter's web site: ([Nomination Form updated-3-23-17.pdf](#)).
- When complete, send to Henry Buchtel, Ph.D., by email if possible, gusb@umich.edu, or by USPS mail to Neuropsychology Section, 2120 Commonwealth Blvd, Ste C, Ann Arbor, Michigan 48105 (tel: 734-763-9259).
- All nomination forms must be fully completed. Forms should be signed by two Full, active members of the University of Michigan Chapter who know the candidate well, but if this proves difficult, signatures can be provided by the nomination committee.
- Submit with an electronic copy of the individual's CV. If the individual is being nominated for Full membership, please also provide at least two recent publications on which the nominee is first author.
- [2018-2019] Full-time, degree-seeking students pay annual dues at a reduced rate of \$40.00. Membership fees for post-docs are \$55.00 during the first three years after graduation and \$125 thereafter. The initiation fee is \$20 in all cases (\$10 for promotion). See [Initiation and Membership Fees](#) page for up-to-date details.

As a member, your annual dues and donations make possible the following:

At the Society level:

An electronic subscription to *American Scientist*
 Grants-in-Aid to graduate students
 Science Advocacy Program for legislators

 Annual *Sigma Xi* Forum

 The *Sigma Xi* Center
 Support of Chapter programs

At the Chapter level:

Chapter forums on topical issues of interest
 Chapter Newsletter
 Support for the Science and Engineering Fair of Metro Detroit
 Awards to local Junior and Senior Division science fair winners
 Math and Science Teacher of the Year Award
 Science Café Sponsorship

2017-2018 Chapter Officers

President	Henry (Gus) Buchtel
Vice-President	Margaret Evans
Secretary	George Graham
Treasurer	Richard Robertson

Council Members:

Karen Adams	Cynthia Marcelo
Merilee Benore	Peter Woo
Francine Dolins	

2017-2018 NEWS from the University of Michigan Chapter

In 2008, the Chapter was granted 501(c)(3) status by the IRS, backdated to our founding in 1903. Please consider making a tax-deductible donation to the scientific and educational activities of the chapter. Details can be found at <http://www.umich.edu/~sigmaxi/donations.html>

NEW MEMBERS in 2017

At the 2017 Annual Initiation Banquet, five individuals were elected to Full Membership and nine were elected to Associate Membership.

Full Members

Timothy Chambers
Daniel Fisher
Ravi Samala

Minden Sexton
Jamie Winters

Associate Members

Victoria Bankowski
Agagail Breidenstein
Fernanda Cross
Spencer Dawson
Hilary DeShong

Bryce Meerhaeghe
Valencia Montgomery
Kathryn Tolle
Jaime Muñoz Velázquez

50 YEARS OF ACTIVE MEMBERSHIP (1967-2017)

At the 2017 Banquet, four members were honored for 50 years of active membership in Sigma Xi:

Norman Lurie (016 UM)
Nina McClelland (016 UM)
Gordon Parker (090 Wayne State)
Richard Wilson (016 UM)

2017 - SCIENCE AND MATH TEACHERS OF THE YEAR

Ann Catherine Broderick (Washtenaw Technical Middle College) was presented with the 2017 Science and Math Teacher of the Year Awards. Dr. Peter Woo, Council Member and Chair of the Awards Committee, presented the award, which was made possible by a generous grant from Pfizer Pharmaceutical Company.

SCIENCE FAIR WINNERS - 2017

At the 2017 Annual Banquet, the following Junior and Senior Division students were honored for the quality of their posters presented at the Science and Engineering Fair of Metro Detroit (SEFMD) at Cobo Center in early March 2017. To view the winning posters, go to the following Web page:

http://www.umich.edu/~sigmaxi/2017_science_fair.html. The 2018 SEFMD will be held on March 13-17 and local area winners will be celebrated at the upcoming Annual Meeting and Initiation Banquet on April 19, 2018.

Junior Division

Nathan Hadjiyski (Forsythe Middle School. Teacher: Margaret Raupp): "Piezoelectricity"

Mazin Mehmood, Omar Azizi and Ahmed Haider (Michigan Islamic Academy Middle School. Teacher: Shatha Mohammed): "The Blind Sensor"

Arjun Patel (Forsythe Middle School. Teacher: Margaret Raupp): "Let there be Light"

Senior Division

Forrest Flesher and Rohan Kheterpal (Skyline High School. Teacher: Tom Pachera): "Horizontal locomotion in completely soft, autonomous robots"

Cooper Klein-Kassab and Daniel Passmore (Skyline High School. Teacher: Charles Centivany): "Jacket Closure System"

Marlies Michielsens and Shrikant Chand (Washtenaw International High School. Teacher: Alyson Thompson): "A Novel Zwitterionic Superparamagnetic Iron Oxide Nanoparticle Synthesis"

Neha Seshadri (Skyline High School. Teacher: Teresa Schneider): "A Novel Application of Microfluidic Assay to Evaluate the Role of Calponin in Platelet Function and Clot Formation"

SCIENCE CAFÉ

As we have been doing for the past five years, the University of Michigan Chapter of Sigma Xi provided financial support for a Science Café organized by the UM Museum of Natural History on "Epigenetics". The next sponsored café will be in February or March, 2018 and the speakers will talk about DNA and gene splicing (CRISPR). Speakers TBA. There is always a large group in attendance so come early to get a seat and to enjoy the hors d'oeuvres that are provided by the Chapter sponsorship.

COUNCIL MEMBERSHIP

Please consider joining the University of Michigan Council to help run current programs and to provide ideas for new chapter activities. Contact Chapter President Gus Buchtel (gusb@umich.edu) if you are interested in serving on the 2018-2019 Council.