

Maine Entomological Society Winter Workshop:
Insect Morphology

Saturday, January 28th 2023 (9AM-2:00PM)

Note: If you have a laptop and microscope please bring them, also we're looking for folks to bring a pastry to share in the morning with coffee

9-9:30am- Welcome, introductions and cockroach race

9:30-11:30- Lecture: "Deep Inside Insects" led by Dr. István Miko and lightening talks by Santino Marchesano and Monique Raymond - University of New Hampshire

11:30- 12:30- Break for Lunch (lunch won't be provided so please bring your own)

12:30-2pm – First will be a hands-on petri dish challenge in which participants will receive some petri dishes with insect specimens in glycerol and a set of questions they have to respond to by looking at the specimens and using online resources and help from István and company. The next activity will be cockroach dissections and anatomy maps all led by Dr. István Miko -University of New Hampshire

Abstract & Speaker Biography



Dr. István Miko

Workshop: Deep Inside Insects

Abstract:

Accurate documentation and interpretation of the morphological phenome not only adds to our understanding of insect evolution but also yields anatomical systems that might serve as models for human applications (biomechanics, robotics) and can further emphasize the importance of insects. Basic knowledge of insect anatomy is essential for one to distinguish one insect from another. At this workshop, we will observe specimens from across the phylogeny of Insecta (and some non-insect arthropods) and develop an anatomy map while dissecting a cockroach specimen. The use of cell phones or similar devices with a digital camera and a laptop computer with wifi capabilities is highly

recommended during the workshop.

Biography:

István earned his master's degree in Biology from Szeged University in 2001 and then earned his Ph.D. in environmental sciences in 2007, also from Szeged University. He is an evolutionary biologist and biodiversity researcher whose research is centered around insects. He is currently the manager of the UNH Collection of Insects and other Arthropods which houses about 700,000 pinned specimens.