The Department of Microbiology, Immunology, and Biochemistry in conjunction with the Wayne State University BEST Program present:

**CiBORG**

Computation in Biology Outreach and Research Group

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**Upcoming Seminars:**

- **Thurs, Mar 23rd** – Danielle Whittaker, Ph.D.  
  NSF BEACON Center at Michigan State University  
  **Topic:** Managing government, academic, and industrial collaborations in bioinformatics research

- **Thurs, Mar 30th** – Jennifer Carter-Johnson, Ph.D., J.D.  
  Michigan State University  
  **Topic:** The impact of intellectual property laws on computational biology

- **Thurs, May 4th** – Chris Gates, M.S.  
  University of Michigan Bioinformatics Core  
  **Topic:** Implementation of bioinformatics in core facilities and industry

- **Thurs, May 11th** – Chris Adami, Ph.D.  
  Michigan State University  
  **Topic:** Modeling evolution using artificial intelligence and machine learning

- **Thurs, May 18th** – Carlos Anderson, Ph.D.  
  University of Michigan Health System  
  **Topic:** Database management and software development in a healthcare setting

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**Upcoming Workshops:**

- **Thurs, Apr 13th** – Kevin Theis, Ph.D.  
  Wayne State University School of Medicine and Wayne State University Perinatal Initiative  
  **Goal:** Learn how to analyze diversity of microbiome and other ecological community data

- **Thurs, Apr 27th & Fri, Apr 28th** – **Software Carpentry**  
  **Advanced Registration Required**  
  **Instructors:** Byron Smith, M.S. and Alix Keener, M.S.  
  University of Michigan  
  **Time:** 9:00 AM – 4:00 PM  
  **Location:** Mazurek Education Commons Rooms 301/302  
  **Goal:** In this two-daylong session, participants will learn the fundamentals of programming including command line operations, version control, and an introduction to Python™

- **TBD** – **Data Carpentry**  
  **Advanced Registration Required**  
  **Instructors:** TBD  
  **Time:** 9:00 AM – 4:00 PM  
  **Location:** TBD  
  **Goal:** Complimenting the Software Carpentry workshop, this two-day workshop will focus on fundamental computational skills needed for data management and analysis

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**Meeting Time:** Thursdays at 1:00 PM (unless otherwise noted)

**Location:** Scott Hall Room 7364 (unless otherwise noted)

For more information please contact Kevin Theis (ktheis@med.wayne.edu)