



Chemistry and Biochemistry Virtual Open House

Welcome

Fall 2022

Where We Are?

National
Cancer
Institute

Office of Naval
Research

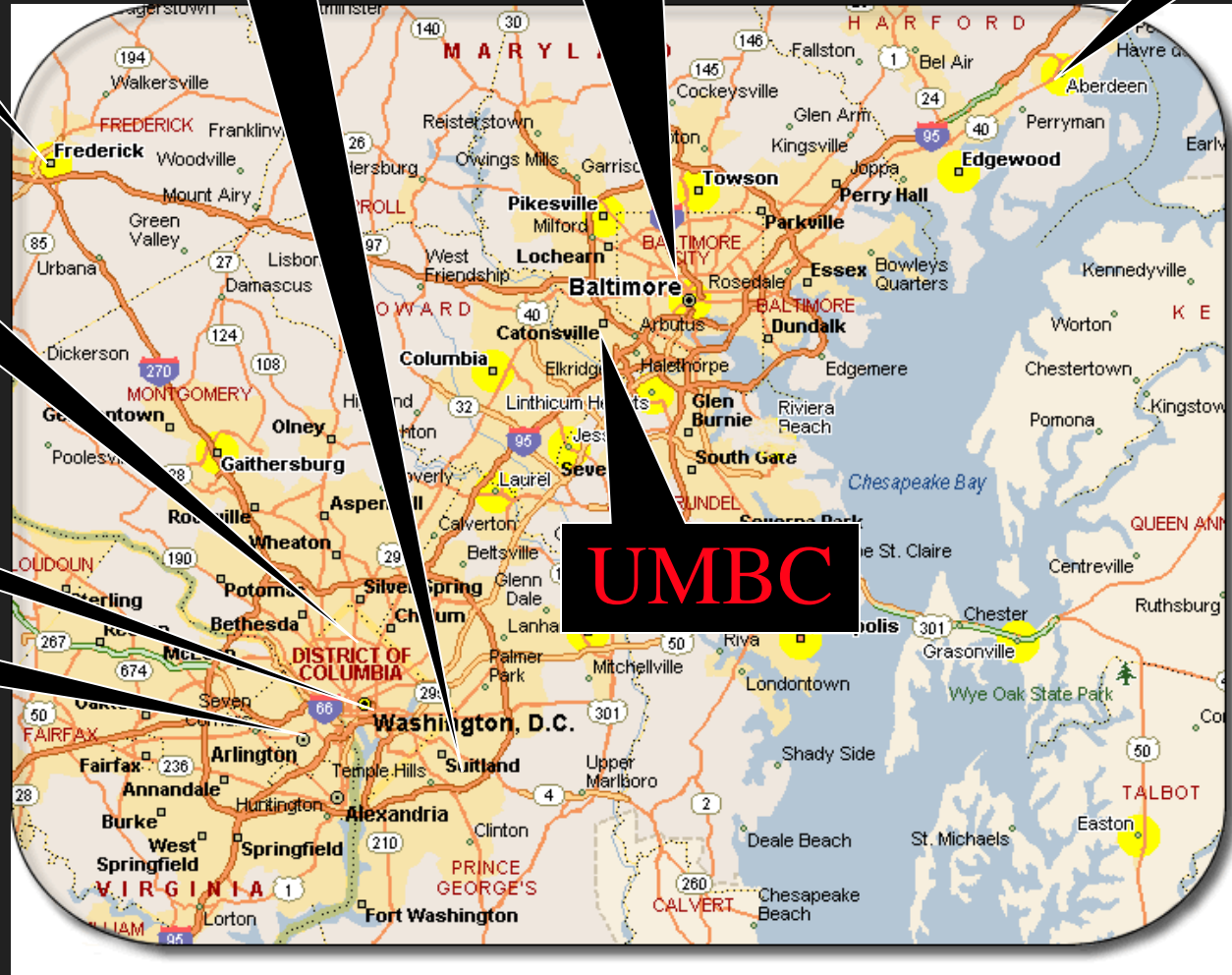
University of Maryland
Baltimore (UMB)

U.S. Army
Research Laboratory

National
Institutes of
Health (NIH)

Department
of Energy

National Science
Foundation



Who We Are?

UMBC Chemistry and Biochemistry

- Medium Size Research University
- 18 Research Active Faculty
- 50 graduate students
- Student-centric program
- Strong external research support from NIH, NSF, DoD, DoE and other institutions



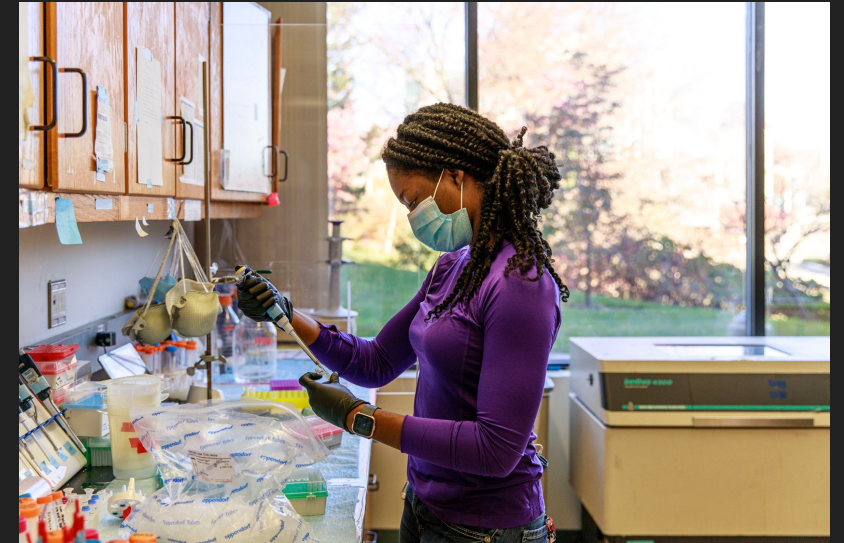
Who We Are?

- We are big enough to have internationally recognized research program
- Sufficiently small to maintain a close student-mentor relationship



Diverse Research Portfolio

- Biochemistry
 - Dr. Songon “Song” An
 - Dr. Deepak Koirala
 - Dr. Herana Kamal Seneviratne
 - Dr. Aaron Smith
 - Dr. Mike Summers

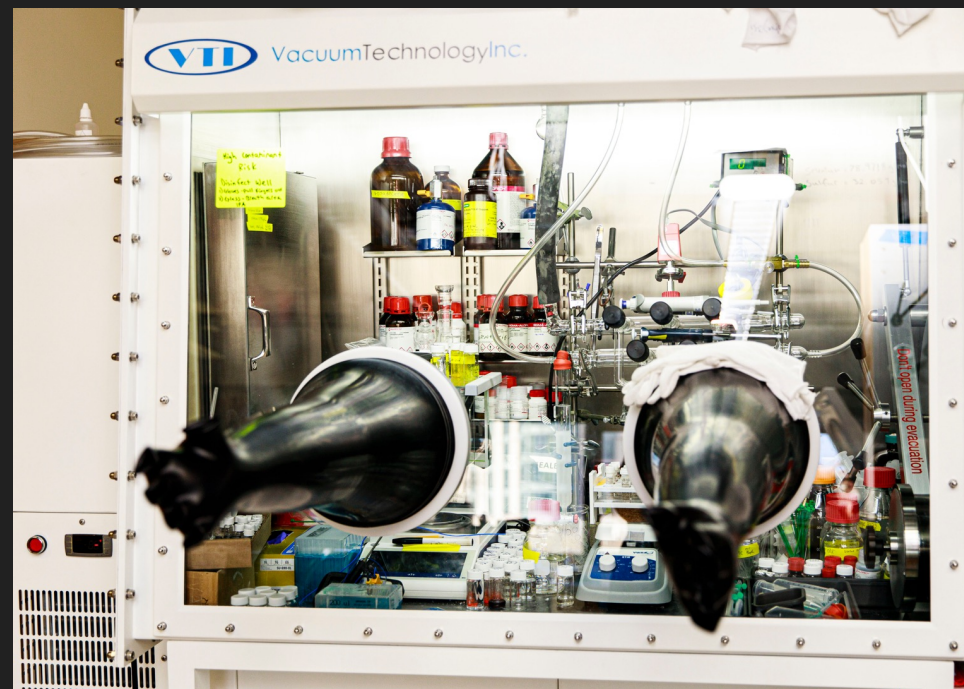


- Analytical Chemistry
 - Dr. Chengpeng Chen
 - Dr. Brian Cullum
 - Dr. Minjoung Kyoung
 - Dr. William LaCourse
 - Dr. Herana Kamal Seneviratne



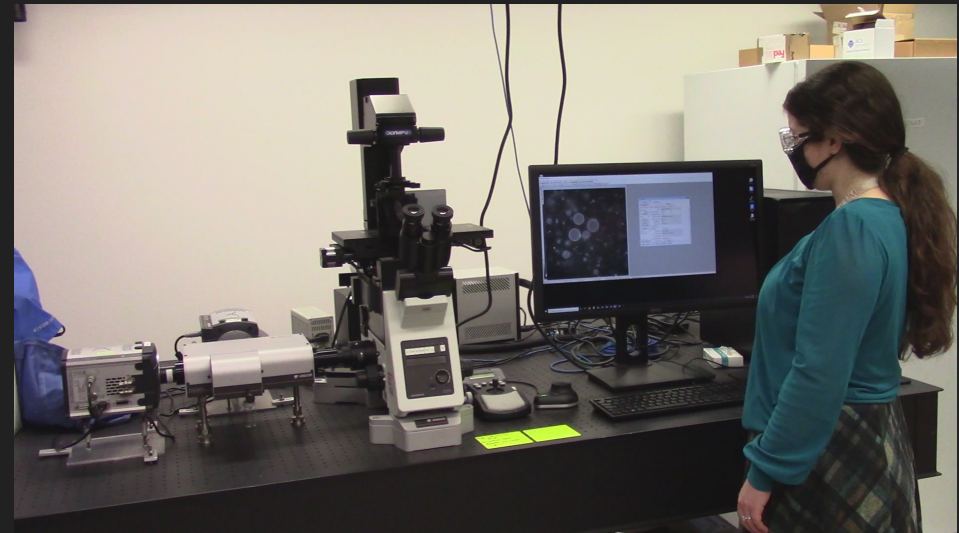
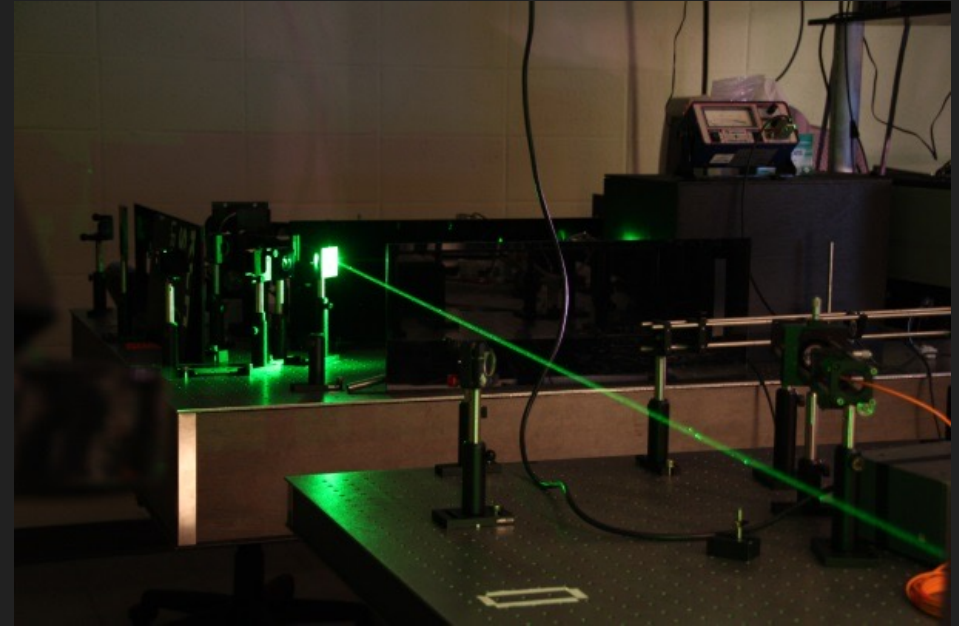
Diverse Research Portfolio

- Organic Chemistry
 - Dr. Marcin Ptaszek
 - Dr. Katherine Seley-Radtke
 - Dr. Paul Smith
- Inorganic Chemistry
 - Dr. Joseph Bennett
 - Dr. Marie Christine Daniel-Onuta
 - Dr. Zeev Rosenzweig



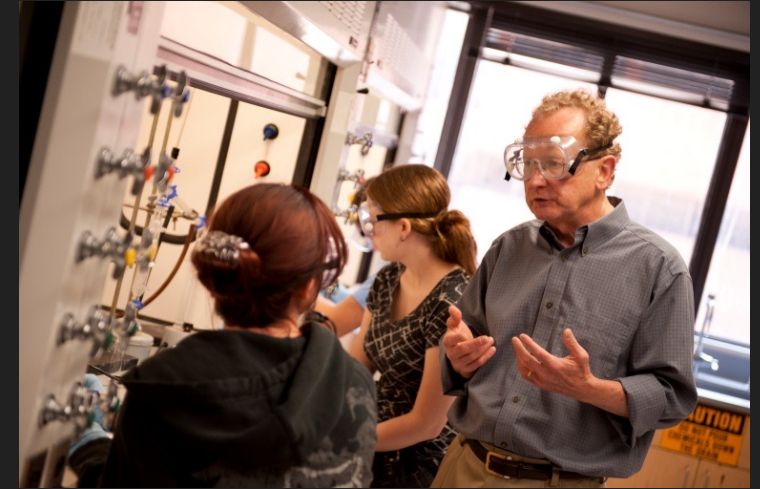
Diverse Research Portfolio

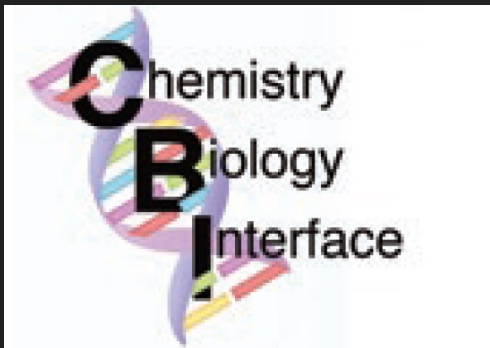
- Physical Chemistry
 - Dr. Bradley Arnold
 - Dr. Christopher Geddes
 - Dr. Lisa Kelly
 - Dr. Joel Liebman



Numerous Affiliated Programs

- Chemistry-Biology Interface (CBI) Program
- Meyerhoff Graduate Program
- SCIART (Science/Art) Program
- Career Centers and Workshops
- Extensive Collaboration Opportunity with Academic, Government, and Industrial Partners





Chemistry/Biology Interface Graduate Program

- **Cross-disciplinary studies in both Chemistry and Biology**
- **Ph.D. will be obtained in either Chemistry or Biology with additional focus in other discipline**
- **Opportunity to do cutting edge research with state-of-the-art equipment and an internationally known faculty**

- **Program benefits include:**
 - **Research Assistantships**
 - **Biweekly seminars on topics at the Chemistry/Biology interface**
 - **Laboratory work in both Chemistry and Biology**
 - **Advanced coursework in both Chemistry and Biology**
 - **Travel to National Conferences**

G-RISE/Meyerhoff Graduate Training Program

- Providing research experiences for underrepresented groups receiving a Ph.D. in biological sciences, biochemistry, chemistry, mechanical engineering, and psychology.
- Supported by the Minority Biomedical Research Support (MBRS) Branch of the National Institutes of Health (NIH) through the Initiative for Minority Student Development (IMSD) Program.
- Program benefits include:
 - All usual graduate program benefits + :
 - Monthly discussions & annual retreats
 - Community building & mentoring
 - Interaction within a diverse campus community



<https://meyerhoffgrad.umbc.edu/>

After Graduation.....

Our Alumni Find Jobs in Diverse Areas of Research and Business of Their Choice:

- Academia (post-doc, permanent research or teaching positions)
- National Research Labs (NIH, NCI, ARL, NRL)
- Chemical Industry (Shimadzu Sci., Leidos, BASI)
- Pharmaceutical Industry (Latham BioPham, US Pharmacopeia, AmbioPharm)

