

# ***Positioning UMB Graduate Students for Future Success***

Northeastern Association of Graduate Schools

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**A little bit about us...**

- The University**
- The Graduate School**
- The HS/HSL**

# University of Maryland, Baltimore:

- Founded with Medical School – 1807.
- Graduate and professional university of the 13 school University System of Maryland.
- Urban environment, west side of downtown Baltimore.
- Medicine, Nursing, Dentistry, Pharmacy, Social Work, Law...and Graduate School.
- Professional/Graduate Total = 5484.

# The Graduate School:

- Master's and doctoral studies since 1917.
- Graduate education and training in biomedical, health, and human service sciences.
- 23 Master of Science (MS) and Doctor of Philosophy (PhD) degree programs, and three post-baccalaureate certificate programs.
- Dual degrees with the University's professional schools including PhD/MD, PhD/PharmD and PhD/DDS degree programs.
- Inter-institutional studies in biochemistry, gerontology, and toxicology with other University System of Maryland campuses.
- 1518 students.

# Health Sciences and Human Services Library

- Established in 1813.
- Serves all schools except Law.
- Current facility opened in 1998.
- Second largest health sciences library in U.S.
- Space sharing/adjacencies
- Headquarters for Region 2 of the National Network of Libraries of Medicine, Southeastern/Atlantic Region
- ***Expertise, resources, place***



# ***Special relationship with the Graduate School – Why?***

- They were easy to work with.
- They were open to new ideas.
- Graduate students are on the threshold of careers in research.
- Graduate students are future authors – scholarly communication focus.
- Opportunity to develop a sound foundation and build upon it.

# We are enablers

# What do we enable?

1. We *support* them in their academic careers.
2. We *prepare* them for their research futures.
3. We help *build* a foundation to enable and sustain their future success



# ***1. Supporting them academically***

- All the usual good library stuff
  - Access to resources
  - Access to classes, workshops, training
  - Access to expertise
  - Access to “the place”
- Digital theses/dissertation project

## ***2. Preparing them for research***

- Research Connection
- ORCID
- NIH Biosketch
- Bioinformatics courses

## *Research Connection*

A comprehensive suite of programs and services supporting research success from idea generation to measuring research impact.

- Consultations
- Systematic reviews
- Expert literature search
- Research impact assessment
- NIH public access compliance
- Publication strategies
- IRB consent form review
- Predatory publishing

# ORCID

- [www.orcid.org](http://www.orcid.org)
- Open Researcher and Contributor ID
- Persistent unique digital identifier to use throughout career
- Free
- Takes 30 seconds to register
- Two-fold purpose
  - Registry
  - APIs to support system-to-system communications – open source code

## *NIH Biosketch*

- New format required after May 25, 2015 for all NIH and AHRQ grants
- Courses and consultations on how to construct the biosketch using..
  - MyBibliography
  - SciENCv

## *Bioinformatics Courses*

Work with NIH to bring classes to UMB:

- Correlation of Disease Genes to Phenotypes
- Genome Browsers
- Next Generation Sequencing Data Analysis
- Protein Structural Analysis: Binding Sites to Distant Homologs
- Intro to Clinical Genomics

Extremely popular

Held in our teaching labs

### ***3. Building a foundation to enable and sustain their success***

- Open access/public access/scholarly communication
- Access to new and emerging technologies – 3D printing
- Presentation practice studio, video conferencing
- Programming such as *What's Next...?*

# *Open Access, Public Access and Scholarly Communication*

- Programming
- Presentations
- Conversations
- Options for publishing
- Inclusion of issues such as copyright and emerging data standards



## *Access to New and Emerging Technologies*

- “Makerspace” concept
- 3D scanning and printing
- Datavisualization
- Biohackathons

## *Presentation Practice Studio/Video Conferencing*

- PPS = Reservable space to be used for practicing presentations or completing assignments
  - Studio quality – soundproof, green screen, teleprompters, playback
  - Audio and video capabilities
- Video Conferencing
  - Two conference rooms
  - Web-based conferencing systems

## Programming

- Cultural with a scientific twist
- Special speakers in support of exhibits, art, ideas
- What's Next...? Series in support of developments shaping the future of health, health science, and the human condition.

**In other words...**

**Positioning UMB graduate students for  
future success**

**Questions?**

**Comments?**

***Thank you!***

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