



THE CLIMB PROGRAM AT UB

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The CLIMB Program at UB

The CLIMB Program at UB



Creating an inclusive
community of **talented** scientists

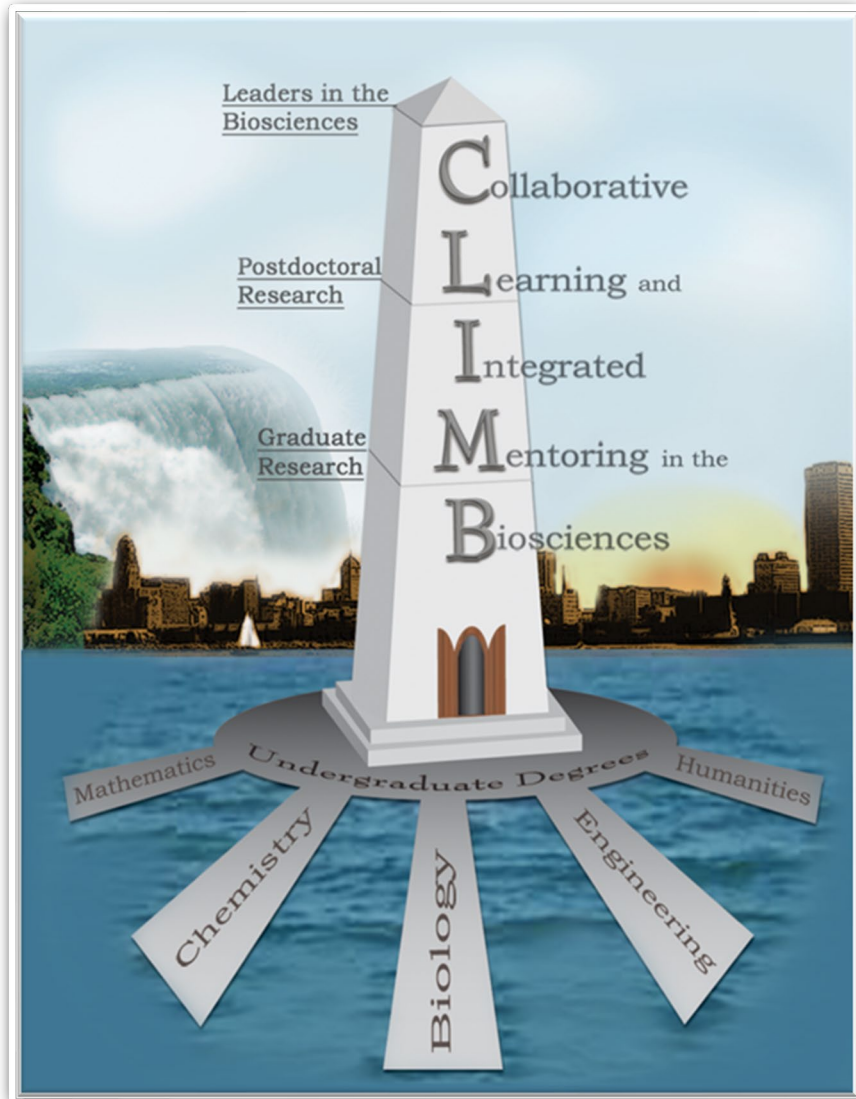
CLIMB: Collaborative Learning and Integrated Mentoring in the Biosciences

- ❑ **CLIMB at NU** was founded at *Northwestern University (NU)* in 2007
- ❑ **CLIMB at UB** was established at the *University at Buffalo (UB)* in 2009.
- ❑ **CLIMB at UB** *provides an umbrella for mentoring and professional development* to the bioscience workforce in the following UB School:

- ❑ Jacobs School of Medicine
- ❑ School Dental Medicine
- ❑ School of Nursing
- ❑ School of Pharmacy

- ❑ School Public Health
- ❑ College Art & Science
- ❑ School of Engineering
- ❑ Roswell Park CCC

The CLIMB Program at UB



The TOWER

- A scientist must successfully navigate each level to become a leader

The BACKGROUND

- The dawn represents new opportunities

The ROADS

- The CLIMB Program accepts students from many disciplines and walks of life

The FALLS

The power of learning

The CLIMB Program at UB

Collaborative
Learning and
Integrated
Mentoring in the
Biosciences

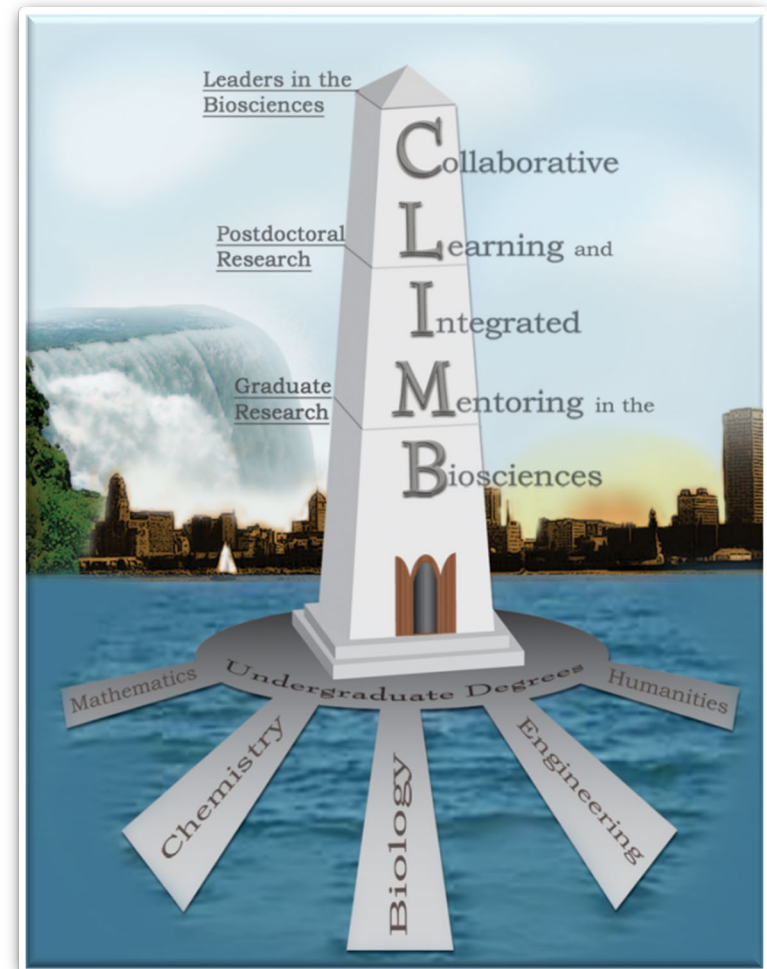


The CLIMB Program at UB

The CLIMB Program guides a select, diverse group of students to develop skills for:

- ☐ Collaborating
- ☐ Communicating
- ☐ Mentoring
- ☐ Conducting research across disciplines

CLIMB Scholars will accelerate their professional development through workshops and activities that will complement and enhance their coursework



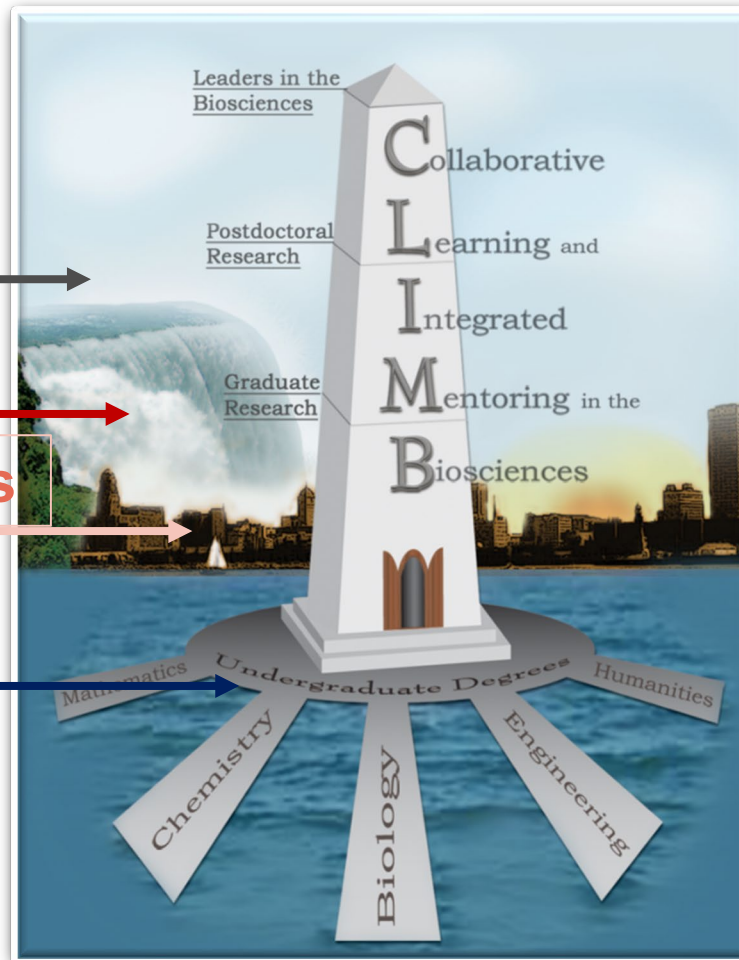
The CLIMB Program at UB

CLIMB – NS

CLIMB – HI

CLIMB Pathways

CLIMB – UP



Program Features

- ☐ Professional Development Catalyst Workshops Series
- ☐ Research Communication Workshops Series
- ☐ Scientific Communication for Success Workshops
- ☐ Personal Mentors
- ☐ Networking



The CLIMB HI Program at UB



First Year – Fall Semester

Professional Development Catalyst Series

- Choosing a Lab - Lab Skills - Attending Meetings - Professional Networking -
Writing Research Reports - Orally Presenting Scientific Work - Ethics -



First Year – Spring Semester

Research Communication Workshops

Development of hypothesis-driven research projects
Oral presentations - Writing skills - Poster presentations
Mini- Learning Communities



Second Year -- Fall and Spring Semesters

Scientific Communication for Success Workshops

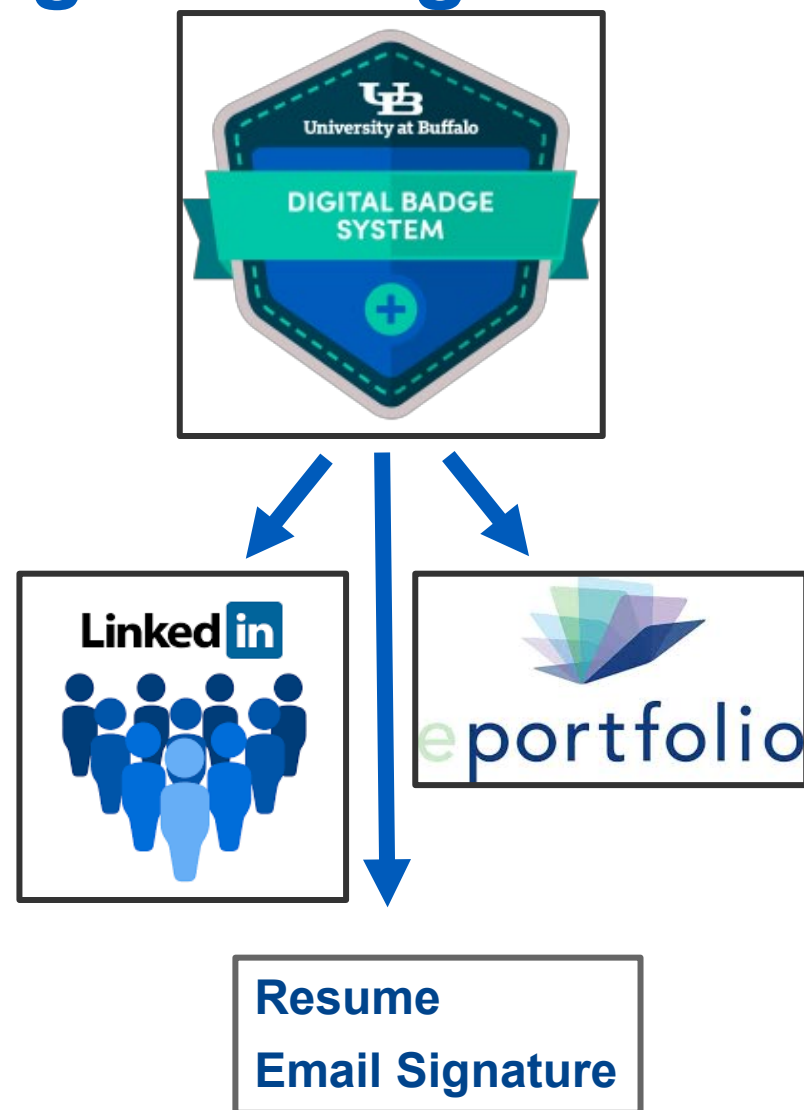
Planning, Writing and Submitting Abstracts/Manuscripts/Grants
Fellowship and Grant Applications Preparation
Mini- Learning Communities

Micro-Credentials & Digital Badges

❑ **Micro-credential Program:** programs that allows learners to gain relevant skills that are needed in today's workforce resulting in the award of badges.

❑ **Digital Badge:** is an icon that is clickable that stores information about the specific Micro-credential program:

- Issuing institution
- Date earned
- Criteria required to earn badge
- Evidence that shows the learner has met the required criteria



PhD STEM Professional Readiness Micro-Credential



**Professional Development
Catalysis Series**



**Research Communication
Workshop Series**



**Scientific Communication
for Success Series**

CLIMB PATHWAYS for Master's



Micro-credential: Master's STEM Professional Readiness

Modules:

- **Professional Development**
 - CVs and IDPs
 - Laboratory Notebooks
 - Networking at conferences
 - Oral Presentations
- **Research Ethics**
- **Pathways from Master's**
- **Invited Speakers**

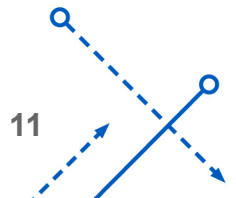
Modules are delivered in person
and via online videos



The CLIMB HI Program PhD Students

The CLIMB PATHWAYS for Master's

- ☐ **For Incoming Graduate Students**
- ☐ **Workshops are offered after 5 pm**
- ☐ **Workshops are 90-120 min long**



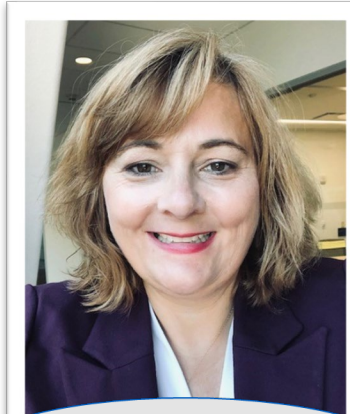
Questions?

Apply
www.buffalo.edu/climb

Contact Us
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Director and Founder

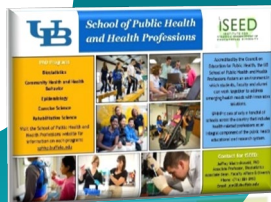
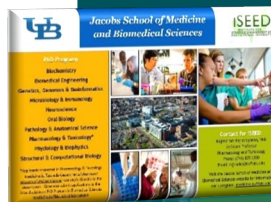


Debra McLoughlin
CLIMB & IMSD Coordinator

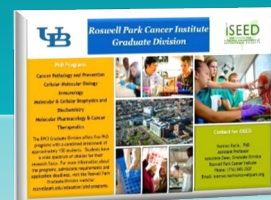
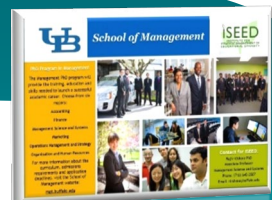
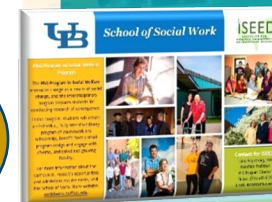
Using iSEED Model

Expand CLIMB Professional Development to All Schools

EXECUTIVE COMMITTEE



Roswell Park



STEERING COMMITTEE

**iSEED Participant Schools
STEM Programs**

**iSEED Partner Schools
Non-STEM Programs**

ABRCMS 2015



Coordinated Recruitment Visits/Conferences

CLIMB - HI Program Curricula

Professional Development Catalyst Workshop (Fall – 1st year)

- Topics include:
 - Adaptation to learning in grad school
 - Time Management
 - Finding a mentor and research rotations
 - Research ethics
 - Cultural competency
 - Personality Type Indicators

Research Communication Workshop (Spring – 1st year)

- Learn how to develop hypothesis driven questions.
- Practice peer-reviewing each other's:
 - Presentations
 - Abstracts
- Mini learning communities

Scientific Communication for Success Workshop (Fall – 2nd year)

- Hypothesis-driven proposal development leading to completion of an NRSA-type research grant that could be submitted for funding
- Emphasis of importance of grant writing
- Mini learning communities

Scientific Communication for Success Workshop (Spring – 2nd year)

- Designed to enhance your writing skills through guided peer review and structured lectures regarding the different components of the application regarding training potential and background of the applicant
- Mini learning communities