NIH
MS Bridges to PhD (B2D)
Program Informational Meeting

Monday, August 23, 2021 at 5PM

LINK:
https://cpp.zoom.us/j/81000631871
“My students are going to do all kinds of wonderful, world-changing things”
Jill Adler-Moore, PhD
1947-2021
<table>
<thead>
<tr>
<th>B2D Leadership Team</th>
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**Program Administrator and Contact person:**
Airan Alvarado-Jansen [adalvarado@cpp.edu](mailto:adalvarado@cpp.edu)

**B2D Program Director:** Nancy Buckley, PhD

**B2D Mentoring Workshop Coordinator:** Wei-Jen Lin, PhD

**B2D UCR PI:** Emma Wilson, PhD

**B2D Evaluator:** Susan Tucker, PhD, Evaluation & Development Associates LLC

**B2D UCR Director of Academic Preparation, Recruitment & Outreach:** Laura McGeehan
B2D trainee recruitment timeline:
https://www.cpp.edu/sci/bridges-masters-to-phd/index.shtml

- **Mon. 23 Aug.**
  - Informational Meeting via zoom to explain the program to FRM & students

- **Fri. 27 Aug.**
  - Application deadline

- **Wed. 1 Sep.**
  - Applicant Interview with B2D leadership committee via zoom

- **Fri. 3 Sep.**
  - Notification of selection to participate in the B2D program

- **Tue. 7 Sep.**
  - Orientation meeting via zoom with B2D cohort 1 trainees

- **Fri. 15 Apr. 2022**
  - Next app opens Feb 1, 2022

  Cohort 2 B2D program runs June 6th to August 12th
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## B2D Program Goals

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<th><strong>Partner</strong></th>
<th>Partner between Cal Poly Pomona (CPP) and a ROI, the University of California, Riverside (UCR)</th>
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<tbody>
<tr>
<td><strong>Provide</strong></td>
<td>Provide MS student trainees from diverse groups with the technical, communication, and professional skills needed to successfully transition into PhD programs and develop careers as biomedical researchers</td>
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<tr>
<td><strong>Include</strong></td>
<td>Include trainees from under-represented racial and ethnic groups, low socio-economic backgrounds and those with disabilities</td>
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Program Objectives

Students complete MS programs, are accepted and make a successful transition to a PhD program.

Students increase research knowledge and skills needed to become biomedical independent researchers.

Students increase confidence in preparedness for PhD programs.

Students deepen awareness of biomedical careers.

CPP-UCR partnership creates an integrated support system, faculty development, and networking for students to succeed in PhD programs.
B2D Program Overview

- Logic Map
- Timeline & Activities
- Eligibility Criteria
- Program Expectations
## Timeline and Activities for each Two-Year B2D Cohort

### First Summer

| Weeks 1 & 2 9AM-5PM | Monday-Thurs: Molecular Biology Techniques workshops  
|                     | Friday: Professional Skills Workshops (2h/workshop)  
|                     | Begin work on Individual Development Plan (IDP) with CPP & UCR faculty |
| Week 3 9AM-5PM     | Monday-Friday: Professional Skills Workshops (2h/workshop) |

### Academic Year 1 (end of August through mid-May)

| Fall, & Spring Semesters | CPP MS research projects and academic coursework  
|                         | Introduce CPP STEM undergraduates to benefits of B2D experience through peer mentoring, seminars and selected workshops  
|                         | Continue work on IDP |
| Fall Semester           | Wednesdays 5:30PM-7PM (2 unit-CPP BIO 6800 B2D workshop – Dr. Nancy Buckley)  
|                         | PhD Application Workshop  
|                         | Fridays 12PM-1:30PM (2 unit-CPP BIO-6800 B2D seminars & Journal Club – Dr. Wei-Jen Lin): Guest Speaker Seminars (3X/Semester), Journal Club (1.5h/session, 3X/Semester) and Grant Writing (2h/session, 3X/Semester) |
| Spring Semester         | Wednesdays 5:30PM-7PM (2 unit-CPP BIO 6800 B2D workshops – Dr. Nancy Buckley): Manuscript Writing Workshop  
|                         | Fridays 12PM-1:30PM (2 unit-CPP BIO-6800 B2D seminars & Journal Club – Dr. Wei-Jen Lin): Guest Speaker Seminars (3X/Semester), Journal Club (1.5h/session, 3X/Semester) and Grant Writing (2h/session, 3X/Semester), URM Graduate campus coordinator visits (1.5h/session, 2X/Semester); Present research at CPP & UCR student research symposium |
Eligibility to Participate in B2D

Bachelor’s in STEM discipline with Science GPA of 3.0 or better

Admittance into CPP MS program with full-time status
• Working outside of B2D program not allowed. Exceptions for cohort 1.

Underrepresented racial and ethnic groups, low socio-economic backgrounds and/or those with disabilities

US citizen or student with permanent visa seeking to pursue a PhD degree in the biomedical and related sciences

SEND:
• completed application form
• copy of transcript (pdf format) &
• 3 letters of recommendation

TO: B2D Administrator, Ms. Airan Alvarado-Jansen
(adalvarado@cpp.edu)

Deadline for cohort 1:
August 27th, 2021
Applications for all other Cohorts will be April 15

NIH NOTE:
Students on a pre-medical track (MD) are not eligible for this program as indicated by NIH
B2D Trainee Program

• Prepare 5 cohorts of 4 student trainees per cohort

• Each trainee will:
  ✓ receive a stipend, tuition, supplies and travel monies:
    • Outside work is highly discouraged during the AY and not allowed during the summer
  ✓ complete their MS at CPP
  ✓ collaborate with the UCR faculty on a CPP/UCR shared project
  ✓ Attend all B2D workshops
  ✓ complete an internship at UCR for up to 10 weeks on the 2nd summer in the program
  ✓ complete a UCR grad course in fall of 2nd year
Supervise and Mentor B2D trainee

Work and monitor B2D trainee IDP

Regular meetings with B2D trainee and UCR FRM

Assist B2D trainee in preparing conference materials

Advise on graduate studies

Order Research Supplies

Attend Mentoring Workshops

Complete all evaluation materials

https://www.cpp.edu/sci/bridges-masters-to-phd/b2d_mentor_participants/b2d_mentor_contract.shtml
UCR Faculty Research Mentor
Time Commitment

1. Meet with B2D trainee and CPP FRM once a month to learn of the progress on trainee’s research

2. Assist in Preparations of Abstracts and Presentations to Scientific Meetings


4. Sponsor student in up to 10-week internship at UCR
   Advise on graduate studies

https://www.cpp.edu/sci/bridges-masters-to-phd/b2d_mentor_participants/b2d_mentor_contract.shtml
B2D Trainee Agreement

- Academic Requirements
- Research Requirements
- Internship Requirements
- Attendance at Professional Skills Workshop
- Participation at Conferences
- Submission of at least 5 PhD Applications
- Regular meetings with CPP and UCR FRM
- Regular meetings with B2D Leadership team

https://www.cpp.edu/sci/bridges-masters-to-phd/b2d_student_participants/b2d_student_contract.shtml
Questions?
Leadership Team

Contact Info

- Nancy Buckley: nebuckley@cpp.edu
- Airan Alvarado-Jansen: adalvarado@cpp.edu
- Wei-Jen Lin: weijenlin@cpp.edu
- Emma Wilson: emma.wilson@ucr.edu
- Susan Tucker: sutucker2@gmail.com
- Laura McGeehan: laura.mcgeehan@ucr.edu