

Therapeutic Sciences Graduate Program



BROWN

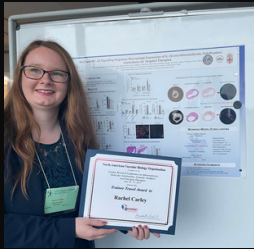
Division of Biology and Medicine

September 5, 2023 Issue 1

TSGP News:





TSGP Co-Director, Sean Lawler: Study discovers a new form of traditional Chinese medicine compound improved survival of mice with brain tumors. Click [here](#) for more.




TSGP Student, Rachel Carley wins the North American Vascular Biology Organization travel award for the Gordon Conference held in Spain.

In the Spotlight:

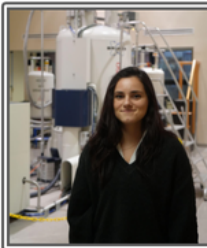


Therapeutic Sciences
Graduate Program



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PhD Thesis Defense Presentation
Helen Belato
Advisor: Dr. George Lisi



**“Molecular Studies
of Allosteric Motion
and Crosstalk in a
Thermophilic
CRISPR-Cas9”**

Monday, September 18, 2023
12:45 PM EST

Location: LMM 107
Via Zoom: <https://brown.zoom.us/j/92910934829>

Don't miss out on this student-only event!

Therapeutics Graduate Program & Biotechnology Graduate Program

Meet & Greet Happy Hour and Lunch

Friday, September 15th

1:00 PM - 4:00 PM

Alumnae Hall

194 Meeting Street

Join us for a fun afternoon of drinks, appetizers, games, prizes and lunch! This is a great opportunity for the Biotech MS students and Therapeutic Sciences PhD students to get to know each other.

The 2023-24 Seminar Series Kicks Off on 9/29



Therapeutic Sciences Seminar Series

Presents

Bradley Pentelute, PhD

Professor of Chemistry
Associate Member, Broad Institute of Harvard and MIT
Extramural Member of the MIT Koch Cancer Institute
Member, Center for Environmental Health Sciences MIT

Hosted by: Sean Lawler PhD, and Jasmine Clark



“Building the infinite loop for machine learning guided discovery, delivery, and rapid manufacturing of potential medicines.”

Friday, September 29, 2023
12:00 PM EST
Barus & Holley 190
184 Hope Street

Abstract

We're facing a challenge in the world of chemistry: our lack of data is slowing down how we can use clever computer programs, known as machine learning, to create powerful new medicines. In this piece, I'll walk you through what we're doing to solve this problem by creating data highways from millions of small molecules, peptides and small proteins. We are now able to use machine learning to discover and create new functional molecules quickly. Sometimes, these computer-designed molecules are even better than what we can make ourselves! Our next step is to create an infinite loop where we automatically design, build, and test potential new medicines.

Opportunities:



NSF Releases Solicitation for Graduate Research Fellowship Program

The National Science Foundation (NSF) has released a program solicitation for the Graduate Research Fellowship Program (GRFP), which “recognizes and supports outstanding graduate students who are pursuing full-time research-based master’s and doctoral degrees in science, technology, engineering, and mathematics (STEM) or in STEM education.” The GRFP provides three years of support over a five-year fellowship period. NSF actively encourages submission of applications from the full spectrum of diverse talent in STEM. For application instructions and deadlines (which range from Oct. 16-20, depending on field), click [here](#).

Conferences:



Suicide in Healthcare and Science: We're Talking About It is a half-day suicide awareness conference. Suicide is a major health issue that has a tremendous impact on individuals, families, and the healthcare and science community. This program is designed to: reduce stigma through education, share resources, provide support, and recognize the importance of our ability to be there for each other. To register, click [here](#).

TSGP Calendar:

Orientation - September 6 - 9:30 - 10:30 AM - BMC 305 - open to 1st and 2nd Year students

1st Year Fall Breakfasts - September 13, 15, 20, 22, 27, 29, October 4, 6, 18 - 8:45 - 10:15 AM - BMC 305 - open to 1st Year students only

Meet & Greet - September 15 - 1:00 - 4:00 PM - Alumnae Auditorium - open to students only

Helen Belato PhD Defense - September 18 - 12:30 PM - 70 Ship Street, LMM 107 - open to the public

Co -DGS/TSGP Student Meeting - September 29 - 10:30 - 11:30 AM - BMC 305 - Mandatory for all TSGP students

Seminar Series: Brad Pentelute - September 29 - 12:00 - 1:00 PM Barus & Holley 190 followed by lunch in ERC 125 - open to the public

Save the Date:



If you have something you want to highlight, please email kimberly_elber@brown.edu