



2020 Virtual Quantitative Biology Undergraduate Summer Research Program Schedule

All activities hosted on Zoom

	Monday	Tuesday	Wednesday	Thursday	Friday
June 15-19	Remote Mentoring Workshop with Mentors Monday, June 15, 12:30-2:30pm				
June 22-26	Orientation 2:30pm – 3:30pm	Workshop 1pm - 2pm Best Practices Communicating Remotely Caroline & Tiffany			Zoom Tea with Faculty 3-4pm William Kath
June 29 – July	QBio Topics Video Developing Unifying Theories for Biology	Workshop 11am - 12pm Large-scale computing resources William Kath	QBio Dialogue 11am – 12pm William Kath		HOLIDAY OBSERVED BY UNIVERSITY
July 6-10	QBio Topics Video A Vision for Quantitative Biology	Workshop 11am - 12pm Creating a Database of Papers Becca Greenstein	QBio Dialogue 11am – 12pm Jonathan Desponds		Zoom Tea with Faculty 3-4pm Richard Carthew
July 13-17	QBio Topics Video What is Cytoplasm?	Workshop 11am - 12pm Communicating Science to Scientists Jennifer Howard	QBio Dialogue 11am – 12pm Alec Wang		Zoom Tea with Faculty 3-4pm Erik Andersen
July 20-24	QBio Topics Video The Evolutionary Design of Proteins: How does Protein Design Happen? Part 1	Workshop 11am – 12pm All About Grad School Deborah Klos Dehring & Megan Wood	July 22 QBio Dialogue 10am – 11am Erik Andersen		Zoom Tea Panel with Math Grad Students & Postdocs 3 - 4pm Panelists: Eric Johnson, Elan Ness-Cohn, Brita Schneiders
July 27-31	QBio Topics Video Cell Motility and the Cytoskeleton, Part 2	Workshop 11am – 12pm Communicating Science on Social Media Alexandria Volkening & Tiffany Ozmina	July 29 QBio Dialogue 11am – 12pm Simon Freedman		Zoom Tea Panel with Bio Grad Students & Postdocs 3 - 4pm Betsy Frazee, Kevin Nyberg, Kevin Gallagher
Aug 3-7	QBio Topics Video Organization of Systems: Mechanism of slime mold cell remodeling	Workshop 11am -12pm Creating Slides Rich Carthew	August 5 QBio Dialogue 11am – 12pm Rich Carthew		Zoom Tea with Faculty 3-4pm Jiping Wang
Aug 10-14	QBio Topics Video Organization of Systems: Scale free networks	Workshop 11am -12pm Giving a Zoom Talk Tiffany	August 12 QBio Dialogue 11am – 12pm Alexandria Volkening		Symposium 2:00 - 5:00pm



QBio Topics & Dialogue

Each week a mentor will host a QBio Topics Video & Dialogue.

QBio Topics Video: We've selected videos that teach on a topic in quantitative biology. Mentors will share in advance the questions they would like you to reflect upon while watching the video. These are mechanism to engage with the talk before the QBio Dialogue that week.

Week	Host	Presenter	Video (Embedded Link)
June 29	William Kath	William Bialek, Princeton University	Developing Unifying Theories for Biology
July 6	Jonathan Desponds	Robert Phillips, California Institute of Technology	A Vision for Quantitative Biology
July 13	Alec Wang	Margaret Gardel, University of Chicago	What is Cytoplasm?
July 20	Erik Andersen	Rama Ranganathan, University of Chicago	The Evolutionary Design of Proteins: How does Protein Design Happen? Part 1
July 27	Simon Freedman	Julie Theriot, Stanford University	Cell Motility and the Cytoskeleton, Part 2
Aug 3	Richard Carthew	Richard Carthew, Northwestern University	<i>Organization of Systems: Mechanism of slime mold cell remodeling</i>
Aug 10	Alexandria Volkening	Richard Carthew, Northwestern University	<i>Organization of Systems: Scale free networks</i>

QBio Dialogue: This is an hour-long discussion time on Zoom meant to be conversations and not tests. The goal is to help you to reflect on and connect to the material. Sample questions are: 1) What was your big takeaway; 2) What did you find exciting or cool; 3) How can you connect what was taught to your research, prior knowledge, or prior experience; 4) What questions do you have; 5) What do you wish the speaker had expanded on.

Symposium

August 14th 2:00 – 5:00pm CDT

Please sign up for a presentation slot before Friday, July 31.

Symposium Order

- 2:00 - 2:05pm Welcome (5-minutes)
- 2:05 - 3:45pm 15-Minute Live Talks + 5 minute Q&A (100-minutes)
- 3:45 - 4:25pm 3-minute Videos + 5 minute Q&A (40-minutes)
- 4:25 – 5:25pm Poster Session Q&A (60-minutes)
- 5:25 – 5:30pm Closing Remarks (5-minutes)

15-Minute Live Talks will be presented during the symposium with a 5-minute Q&A.

3-Minute Videos, can be either an elevator pitch presentation or an edited video, will be played during the symposium with a 5-minute Q&A for each video.

15-Minute Poster Presentations will need to be prerecorded and uploaded onto Panopto by Wednesday, August 12 for everyone to watch in advance. Individual Q&A Zoom sessions will be hosted for each poster.