The Annual QCB Trainer meeting was convened at 12:00 p.m. on Wednesday, August 26, 2015.

Dr. David Giedroc, QCB Training Program Director, presided as chair of the meeting. A quorum was present.

QCB Trainers Present:
- David Giedroc, Ph.D.
- M. Kevin Brown, Ph.D.
- Matt Bochman, Ph.D.
- Silas Cook, Ph.D.
- Charles Dann III, Ph.D.
- Trevor Douglas, Ph.D.
- Clay Fuqua, Ph.D.
- Stephen Jacobson, Ph.D.
- Tuli Mukopadhyay, Ph.D.
- Martha Oakley, Ph.D.
- Sid Shaw, Ph.D.
- Megan Thielges, Ph.D.
- Malcolm Winkler, Ph.D.
- Jeff Zaleski, Ph.D.
- Adam Zlotnick, Ph.D.

QCB Trainers Absent:
- Lane Baker, Ph.D.
- Stephen Bell, Ph.D.
- Carl Bauer, Ph.D.
- Yves Brun, Ph.D.
- David Clemmer, Ph.D.
- Jared Cochran, Ph.D.
- Bogdan Dragnea, Ph.D.
- Martin Jarrold, Ph.D.
- Cheng Kao, Ph.D.
- Daniel Kearns, Ph.D.
- Peter Ortoleva, Ph.D.
- Nikki Pohl, Ph.D.
- Roger Pynn, Ph.D.
- James Reilly, Ph.D.
- Paul Sokol, Ph.D.
- Mike Van Nieuwenhze, Ph.D.
- Claire Walczak, Ph.D.
- Yan Yu, Ph.D.

I. INTRODUCTION
Dr. Giedroc thanked trainers for their ongoing participation in the QCB training program with the successful completion of the program’s first year of NIH support (June 2014 through July 2015). Dr. Giedroc welcomed Drs. Bochman, Douglas, and Fuqua as new training faculty to the QCB training program. Dr. Giedroc thanked Drs. Bochman, Cook, Douglas, and Mukopadhyay for their commitment to lead the Fall 2015 QCB Journal Club.

II. BREAKDOWN OF TRAINEES SUPPORTED
Since the inception of the QCB training program, trainee nominations have largely been submitted by the Chemistry department with minimal participation by the Biochemistry and Biology departments. This data demonstrates that we need more interdisciplinary involvement in nominating eligible trainees by other collaborating departments (Biology, MCB, Physics and Medical Sciences) in order to consider students with a broad swath of research projects. Increasing interdisciplinary involvement from all participating departments will also align with the guidance given by our T32 program officer.

A recap of how trainees were selected and how they were provided was discussed.

A. QCB Fellowships
Trainee selection: The QCB Steering Committee welcomes nominations every May for eligible 2nd year students for two years of support and 3rd year students for one year of support. The QCB can support 3-5 new students a year in fellowships. Considerations are made to students with good metrics that demonstrate achievement. Please keep in mind metrics are not the only focus in consideration as nominees with not as strong undergrad metrics, but a research project that bridges a traditional discipline or demonstrates a different direction through collaboration with another trainer laboratory will also be favorably reviewed. We need more breadth in the applicant pool. Please continue to nominate your very best students for support by the program.

Domestic citizenship criteria (NIH Grants Policy Statement -11.3.2.6 Citizenship) for trainee eligibility:
- Citizen or a noncitizen national of the United States or have been lawfully admitted for permanent residence at the time of appointment
- Noncitizen nationals generally are people born in outlying possessions of the U.S. (e.g., American Samoa and Swains Island)

Minority representation: Diversity does matter to the program as the T32 solicitation expects diversity within the applicant pool including those underrepresented in the current scientific research workforce in the area of the proposed research training.
Recruitment: Efforts are made to recruit minority students -- any training faculty member who would like QCB recruiting material to assist with getting the word out should send an e-mail to chemgrnt@indiana.edu for use of logo and the now available QCB brochure. If any QCB trainer has an interest in using twitter to promote the program, it will be welcomed --please let us know!

B. Quantitative Biology (QB) minor: International students who are not eligible for traineeship may be a part of the QCB community through the QB minor (refer to recap of the program for more information on the minor).

III. RECAP OF THE PROGRAM

A. General Program Structure (http://www.chem.indiana.edu/qcb/)
   i. Introduction to Quantitative Biology and Measurement (C680) – Core QCB 1.5 credit course that will cover interdisciplinary topics necessary for every QCB trainee and minor
   ii. Introduction to Chemical Biology I (C681) – Core QCB 1.5 credit course that is more of an applications in chemical biology course and covers microarray technology, protein labeling, chemical genetics, small molecule interactions with proteins/DNA, modulation of protein-protein interactions, RNA aptamers and molecular evolution
   iii. QCB Journal Club (C689) every Fall semester – Held Thursdays 12-1p.m. this semester
      Refer to webpage http://www.chem.indiana.edu/qcb/journal-club.asp
   iv. Topics-based e-modules have been generated by QCB TP students through Dr. Pohl's C681 course to facilitate online interdisciplinary training for all students. Copyright aspects are currently being worked out before release on the QCB website. The first six e-modules are expected to be released by Christmas.

B. Curricular options for minors, electives, etc. (minor in QCB)
   i. Minor in QCB: 6 credit hours/ 2 QCB course electives (C680 + C681)
      ➢ Works as an approved individualized minor
      ➢ Dr. Fuqua suggested to change the minor title from Minor in Quantitative Biology (QB) to something else so as not to step on the toes of the evolutionary biologists. I suggest Minor in Chemical and Physical Biology (CPB). The Steering Committee will take this up a formal motion at their September meeting

C. Extracurricular activities that define the program
   i. Watanabe Symposium in Chemical Biology (Saturday, October 10, 2015)
      Invited External Speakers:
      Marv Caruthers, University of Colorado Boulder
      Sam Gellman, University of Wisconsin
      Chad Rienstra, University of Illinois, Urbana-Champaign
      Professor Jamie Williamson, Scripps Research Institute
      Invited Internal Speakers:
      Trevor Douglas, IUB Department of Chemistry
      Megan Thielges, IUB Department of Chemistry
      Zhong-Yin Zhang, IUSM Department of Biochemistry & Molecular Biology
      ***Call for all QCB students to participate in Poster Session***
      ➢ Typical schedule of symposium starts at 8:30 a.m.
      ➢ Poster session will be held at the Neal Marshall Black Cultural Center over lunch ~ 11a.m. – 1p.m.
   ii. QCB Seminar Series & Research Meetings (Update since debut this Spring 2015)
      ***Call for invited speakers to be nominated towards QCB Seminar Series***
      ➢ Please notify David and Charles of speakers for this event for Spring semester
If you have an invited speaker lined up in the Spring 2016 that has a QCB orientated talk, please nominate your speaker for the QCB seminar series & research meetings. The speaker will be advertised as a QCB event with the research meeting held over lunch (food provided) with QCB trainees providing small talks.

iii. **QCB Evenings** (will initiate this Fall 2015)
- To be held 2-3 evenings this semester (~ 5:30 - 7 p.m.) with food and drink provided.
- Trainer feedback indicated **Wednesdays to be the best day** of the week for this event.
- Evening will consist of 2 students to give informal presentations of their research (~ 30 minutes each) generated from a **QCB trainer lab**.
- Dates will be publicized on the QCB website.
- All individuals from QCB community invited.

***Call for Nominations for QCB students to present at QCB Evenings***
- Please notify David and Nikki of potential students for this evening experience via chemgrnt@indiana.edu.
- All students in a QCB trainer lab are eligible (no citizenship or prior support required).

IV. **QCB WEBSITE**

***Call for QCB Trainer News Articles for QCB main page banner***
- We are looking for current trainer news to highlight on the main homepage banner. Please send your trainer news articles to chemgrnt@indiana.edu.

V. **CBI Mentoring Conference at Vanderbilt University (August 10 - 12)**

A. **Chemistry-Biology Interface (CBI) Conference History**

This conference provides a mentoring platform for young researchers to assist with their career development. Our NIH T32 program officer is a significant contributor to this conference as the NIGMS is an advocate of this conference.

i. 1st annual 2013 Conference at University of Illinois at Urbana-Champaign June 3-5, 2013
ii. 2nd annual 2014 Conference at University of Wisconsin-Madison June 3-5, 2014
iii. 3rd annual 2015 Conference at Vanderbilt University in Nashville August 10-12, 2015

Profs. David Giedroc and Nikki Pohl served as mentors at the third annual CBI Career Development Conference. They were joined by five current and former IU QCB trainees, including Ed Basom and Rachel Horness (Thielges laboratory), Drew Elliot (Shaw laboratory), David Keifer (Jarrold laboratory) and Lucy Sanchez (Yu laboratory), as well as training faculty and students from all Midwest CBI programs. Our students learned much about academic, non-academic and non-traditional careers as a Ph.D. graduate in chemical biology and related disciplines.

- Indiana University Bloomington will host this conference in 2018 or 2019.

***Call for Two Trainers to attend next year’s conference in Ann Arbor***

VI. **QCB Trainee Publications**

Each publication, press release, or other document about research supported by an NIH award must include an acknowledgment of QCB award support and a disclaimer such as “**Trainee Name** was supported by the Graduate Training Program in Quantitative and Chemical Biology under Award Number T32 GM109825 and Indiana University. The content is solely the responsibility of the authors and does not necessarily represent the official views of the National Institutes of Health.”
- This information was also provided in each trainee’s award packet.

VII. **ADJOURNMENT** The meeting adjourned at 1:25 p.m. on Wednesday, August 26, 2015.