

TPCB PROGRAM OF STUDY
Dates apply to entering Class of 2023

<http://chembio.triiprograms.org/about-tpcb/program-of-study/>
<http://chembio.triiprograms.org/about-tpcb/timeline-and-requirements/>

Admissions Timeline

Feb–Apr 2023	TPCB admission offers sent to students; Additional discussions arranged with TPCB faculty based on interests
April 17, 2023	Deadline for students to accept or decline TPCB admission offers

Enrollment Timeline

May 1, 2023	Deadline for foreign students to submit completed I-20 visa applications to TPCB (processed by Weill Cornell Graduate School); First-Year Advisors contact students to discuss rotation selections
June 1, 2023	Deadline for students to arrange Laboratory Rotation #1 directly with faculty
June 20, 2023	Deadline for receipt of official final transcripts and GRE scores by TPCB <i>(deadline extended for students at institutions with later graduation dates)</i>
July 1, 2023	Students arrive on Tri-I campuses and formally enroll at Weill Cornell; Welcome Meeting & Orientation with TPCB Directors and 2nd-Year Students <i>(start date flexible for students with extended academic commitments)</i>
July 10, 2023	Deadline for students planning to take classes at Columbia to enroll in the Columbia School of Professional Studies
Summer 2023	Students attend Meet the Faculty lunches with TPCB faculty
Summer 2023	Students attend Orientation events with peer mentors and institutional staff
Aug 31, 2023	Students establish Individual Development Plan and meet with First-Year Advisor to discuss and refine plan
Mid Aug 2023	Graduate Student Orientation Week (hosted by Weill Cornell)
Aug 21, 2023	Classes begin at Weill Cornell (and other campuses per their calendars)

Laboratory Rotations – Year 1

Students must complete at least 3 rotations on at least 2 campuses (Weill Cornell, Rockefeller, Sloan Kettering). A fourth rotation may be pursued and dates may be adjusted in consultation with First-Year Advisor and faculty, contingent upon satisfactory performance to date).

July 2023 – Sep 2023	Laboratory Rotation #1	(3 months)
Oct 2023 – Jan 2024	Laboratory Rotation #2	(4 months)
Feb 2024 – May 2024	Laboratory Rotation #3	(4 months)

Lecture Courses, Seminars, and Symposium

Students must complete 4 lecture courses and participate in interactive seminars

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| Years 1–2 | <ol style="list-style-type: none"> 1) TPCB Principles of Chemical Biology (Rockefeller, Fall, odd years) 2) TPCB Chemistry in Biology & Medicine (Weill Cornell, Spring) 3) Core Course (<i>select one</i>) <ul style="list-style-type: none"> Advanced Organic Chemistry (Columbia GU4147, Fall) Biochemistry and Structural Biology Core (Weill Cornell, Fall) Pharmacology I: Chemical Biology (Weill Cornell, Fall) Statistical Thermodynamics (Columbia GU4230, Fall) 4) Elective Course (<i>select one or a second course from Group 3</i>) <ul style="list-style-type: none"> <i>Other electives may be selected with prior approval by Program Director</i> <i>Highlighted courses pending confirmation from course director</i> Applied Quantitative Techniques for the Biological Sciences (Weill Cornell, Fall) Biochemical & Biophysical Methods (Rockefeller, Fall, odd years) Cancer Pharmacology (Weill Cornell, Spring) Cell Biology (Rockefeller, Spring, even years) Cellular and Organismal Metabolism (Rockefeller, Winter, odd years) Core Principles of Molecular Biophysics (Weill Cornell, Spring) Cryoelectron Microscopy of Macromolecular Assemblies (NYSBC/NYU 4408, Spring) Drug Development: From Molecule to Prescription (Weill Cornell, Spring) NMR Spectroscopy of Macromolecules (NYSBC/Columbia G6270, Spring, even years) Synthetic Methods in Organic Chemistry I (Columbia G4148, Fall) |
| Years 1 & 2 | • TPCB Chemical Biology Seminar Course (seminars and journal club) |
| Years 1 & 5 | • Tri-Institutional Responsible Conduct of Research Course (Fall) including required Rigor & Reproducibility workshop |
| All Years | • TPCB Research-in-Progress Student Seminar Series (approx. biweekly) |
| All Years | • Tri-Institutional Chemical Biology Symposium (annual) |
| All Years | • TPCB Student Career Development Retreat (annual) |
| All Years | • TPCB Open House Poster Session (annual) |

Thesis Research

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| June 1, 2023 | Deadline for selection of thesis laboratory (end of Year 1) |
| July 1, 2023 | Students relocate to housing at thesis mentor's institution and formally transfer to corresponding graduate school if necessary (beginning of Year 2) |
| June 30, 2024 | Deadline for successful completion of PhD candidacy exam (end of Year 2): Admission to Candidacy Exam (Weill Cornell and Sloan Kettering) or Thesis Research Proposal (Rockefeller) |
| Fellowship | Students must submit at least one external fellowship application during their training, generally based upon the thesis proposal |
| Thesis Research | Thesis Committee meetings at least annually (Years 3 and 4) then at least every 6 months (Year 5 and beyond); Thesis Committee report must be filed with TPCB and graduate school in which student is enrolled |
| Thesis Defense | Students complete written thesis, public oral presentation, and private defense with Thesis Committee and additional faculty examiner |
| All Years | Students required to abide by all policies & procedures of TPCB and graduate school in which they are formally enrolled (Weill Cornell or Rockefeller) |