COMPUTATIONAL AND SYSTEMS BIOLOGY (CSB)

CSB.100[J] Topics in Computational and Systems Biology
Same subject as 7.89[J]
Prereq: Permission of instructor
G (Fall)
2-0-10 units

Seminar based on research literature. Papers covered are selected to illustrate important problems and varied approaches in the field of computational and systems biology, and to provide students a framework from which to evaluate new developments. Preference to first-year CSB PhD students.
C. Burge

CSB.110 Research Rotations in Computational and Systems Biology
Prereq: Permission of instructor
G (Fall, Spring)
0-12-0 units
Can be repeated for credit.

Students carry out research rotations with MIT faculty members or principal investigators working in the field of computational and systems biology. Generally three one-month long rotations are pursued that together span theoretical and experimental approaches. Open only to CSB PhD students.
Staff

CSB.190 Research Problems in Computational and Systems Biology
Prereq: Permission of instructor
G (Fall, Spring, Summer)
Units arranged [P/D/F]
Can be repeated for credit.

Directed research in the field of computational and systems biology. Open only to CSB PhD students.
Staff

CSB.195 Professional Development in Computational and Systems Biology
Prereq: None
G (IAP, Spring, Summer)
Units arranged [P/D/F]
Can be repeated for credit.

Required for CSB students in the doctoral program to fulfill their professional development requirement through self-directed professional activities. Professional development activities include: internships (with industry, government, or academia); attendance at scientific meetings, MIT IAP events, or career fairs; participation in networking events or an entrepreneurship competition; training in teaching through the MIT Teaching and Learning lab; or the CAPD Path of Professorship. For an internship experience, prior authorization is required prior to enrollment; a report is required within two weeks of completion. Proposals subject to departmental approval.
E. Fraenkel, C. Burge

CSB.199 Teaching Experience in Computational Systems Biology
Prereq: Permission of instructor
G (Fall, IAP, Spring)
Units arranged [P/D/F]
Can be repeated for credit.

For qualified graduate students in the CSB graduate program interested in teaching. Classroom or laboratory teaching under the supervision of a faculty member.
Staff

CSB.930[J] Research Experience in Biopharma (New)
Same subject as 7.930[J], 20.930[J]
Prereq: None
G (Fall)
2-10-0 units

See description under subject 20.930[J].
C. Burge

CSB.THG Graduate Thesis
Prereq: Permission of instructor
G (Fall, IAP, Spring, Summer)
Units arranged
Can be repeated for credit.

Program of research leading to the writing of PhD thesis; to be arranged by the student and the MIT faculty advisor.
Information: Faculty Advisor