INTERNATIONAL SUMMER SCHOOL

COMPUTATIONAL PRINCIPLES TO ORGANIZE COMPLEXITY: SUCCESS STORIES IN QUANTITATIVE BIOLOGY

VENUE : Le Saint Paul, 29 bd. Pilatte, Nice, France
DATES : June 25th - 29th, 2018

Biological matter is a continuous source of conceptual and computational challenges. We often lack general principles that allow to organize biological complexity because a myriad of potentially crucial details hide the generic features. Success stories exist where general principles emerge, leading to tractable computational problems and predictive power. The school will take inspiration from these stories to foster discussion about the goal of computational efforts in biology. The lecturers will span different fields and will walk the students through a monographic topic to master both the complexity of the biological system, and the corresponding theoretical and computational tools. The main goal of this school is to engage the students in truly interdisciplinary science, and lead a cooperative reflection on the goal of quantitative efforts in biology. We welcome an interdisciplinary crowd of students and propose a variety of formats, including lectures, discussions, talks, flash presentations, poster sessions and group work. We will encourage a dynamic, informal atmosphere by organizing social activities and gathering the participants at the venue for both the scientific and social activities. Twelve fellowships are available to support participation of students from developing countries.

DEADLINE FOR APPLICATIONS MARCH 15th, 2018
http://sites.unice.fr/site/aseminara/qbio/
info at nice_qbio18@g.harvard.edu

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