

# SYSTEMS RESEARCH SCHOLARS PROGRAM

## Overview

The Systems Research Scholars Program (SRSP) is designed to help transform exceptionally talented and ambitious post-baccalaureate students into the next generation's pioneers of interdisciplinary scientific research. Through this two-year, fully-funded program, highly motivated individuals from a variety of backgrounds will be mentored by faculty and immersed in scientific research at ISB. Research scholars will plan and execute their own ideas as well as contribute to the ongoing science in their mentor's lab, all the while being trained to think independently, design experiments, and hone skills that will help build a strong foundation for graduate studies and a life at the forefront of scientific research.

## Key Features

This program is different from most post-baccalaureate programs in four important ways:



### RESEARCH IMMERSION

Participants will use systems-based, cross-disciplinary approaches to conduct research in a supportive environment and learn to become independent researchers.



### CUSTOMIZED EXPERIENCE

A smaller program size promotes intimate, personalized research trajectories for each scholar to optimize individual development.



### COMMUNICATION

Participants will contribute to publications and give talks at ISB's various internal and external presentation platforms. Participants are provided with stipends to fund travel for speaking opportunities at major national or international conferences.



### COLLABORATION

Research scholars are part of a close-knit group of multidisciplinary scientists, where each individual has an opportunity to work with multiple mentors.

## Program Timeline

### MENTOR SELECTION

- Meet faculty during in-person interviews
- Select mentors

Prior to program start

0-3 months

### ORIENTATION & RESEARCH IMMERSION

- Discussion with mentor(s), lab, etc.
- Read relevant literature
- Define project scope

### INITIATE RESEARCH

- Formulate hypotheses
- Design experiments
- Present to lab members

3-9 months

9-12 months

### COMMUNICATE RESEARCH

- Present research at ISB
- Attend a major national/international conference

### GRADUATE SCHOOL PREPARATION

- Take GRE
- Apply to graduate schools
- Visit and interview with graduate schools

12-18 months

18-24 months

### WRAP-UP

- Finalize results
- Submit work for publication
- Provide program feedback