

COLUMBIA UNIVERSITY  
DEPARTMENT OF MATHEMATICS

# 2022 CSUREMM

Columbia Summer Undergraduate Research  
Experiences in Mathematical Modeling

May 31st - August 5th

Application deadline: Friday, March 11, 2022 at 5:00PM



DEPARTMENT OF STATISTICS  
COLUMBIA UNIVERSITY IN THE CITY OF NEW YORK

COLUMBIA UNIVERSITY  
DATA SCIENCE INSTITUTE

COLUMBIA

HERBERT AND FLORENCE IRVING  
INSTITUTE FOR CANCER DYNAMICS

## Columbia Summer Undergraduate Research Experiences in Mathematical Modeling

May 31 - August 5, 2022

The CSUREMM program offers an opportunity for undergraduate students interested in mathematical modeling and scientific computing, regardless of their major, to immerse themselves into an interdisciplinary, experiential, and hands-on experience. Throughout the program, participants will be exposed to the full range of activities involved in pursuing scientific research, including project design, data analysis and interpretation, modeling and simulation, literature review, scientific writing, and interactive collaboration. Guest speakers, mini-courses, and social events are also incorporated into the program. By the end of the experience, participants will walk away with a broad understanding of mathematical modeling and scientific computing, knowledge on the scientific research process, experience in presenting academic research, and a network of peer and mentor relationships.



### Background

Previous work in linear algebra, probability, ordinary differential equations, and some experience with programming are highly recommended, but not mandatory.

### Eligibility

The program is open to any continuing Barnard/Columbia undergraduate student, independent of U.S. residency. Women and historically underrepresented minorities are particularly encouraged to apply.

### Application

For your application, you will need:

- One-page CV/resume
- Unofficial university transcripts
- Name of one faculty who can act as your reference (a reference letter is not required)

### Application link

- <https://forms.gle/GiaybxjUWxPvaj9FA>

### Application deadline

- **5:00 PM (EST), March 11th, 2022**

### Contact

For further inquiries, please contact the program organizers:

- George Dragomir [dragomir@math.columbia.edu](mailto:dragomir@math.columbia.edu)
- Ivan Corwin [corwin@math.columbia.edu](mailto:corwin@math.columbia.edu)

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