



**New York University**

Materials Research Science and Engineering Center (MRSEC)

## Research Experiences for Undergraduates (REU)

Research Experiences for Undergraduates (REU) fellowships are awarded to undergraduates from four-year colleges and universities for participation in a ten-week summer program designed to provide unique research experiences, professional development, and increased awareness of materials science and engineering.

Discover and unravel the fundamental organizing principles of matter that impact the fabrication of complex materials – from the molecular to the colloidal to the macroscopic scale!

**An interdisciplinary program combining chemistry, physics, biomaterials, math and engineering to examine topics including:**

- Computational materials chemistry
- Plasticity in organic crystals
- Crystal nucleation and growth
- Optically responsive materials
- Colloids and emulsions
- Correlated disordered materials



For information on how to apply, please see the NYU MRSEC Website:  
<http://mrsec.as.nyu.edu/>

**New York University**

**2019**

**Materials Research Science  
and Engineering Center**



**10 WEEKS OF RESEARCH  
IN THE HEART OF  
NEW YORK CITY!**

**June 3rd - August 9th 2019**



- Cutting-edge research
- Stipend (\$5,000) and travel expenses
- Housing in vibrant Union Square
- Professional development workshops
- Group activities with other undergraduates



**Deadline: February 28th, 2019**



A joint effort of the NYU MRSEC and Faculty Resource Network



Faculty Resource Network  
at New York University





NEW YORK UNIVERSITY



MATERIALS RESEARCH SCIENCE AND ENGINEERING CENTER

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<http://weckresearch.com/home>

January 17<sup>th</sup>, 2019

Dear all,

We would like to take this opportunity to inform you of an exciting research opportunity for talented undergraduates in your institution who are interested in performing cutting-edge research in New York City during the summer of 2019. This program, the New York University - Materials Research Science and Engineering Center (NYU-MRSEC) REU, was established with financial support from the National Science Foundation. NYU-MRSEC unites emerging young scientists and engineers from four-year colleges and research universities research groups, in which they will perform interdisciplinary research spanning materials science, chemistry, physics, and chemical engineering. This will be achieved through research projects aligned with NYU, ranging from colloidal assemblies to crystal nucleation and growth to plasticity in organic crystals to optically responsive materials. Through a series of REU-wide workshops held each Friday morning, the NYU-MRSEC program will also provide the students with professional development exercises, including scientific writing and presentations, and workshops related to ethics of research and publication. NYU-MRSEC students will also benefit from interactions with a larger group of domestic and international NYU research undergraduates during the workshops and various organized social activities. We hope you will encourage your students to apply.

This summer, the NYU-MRSEC program will operate from June 3<sup>rd</sup> – August 9<sup>th</sup>, 2019. NYU-MRSEC research students will receive a stipend of \$5000 and will be reimbursed for travel expenses up to \$1000. The students/labs also will receive a small research grant for materials and supplies. All NYU-MRSEC students will be provided, at no cost, with dormitory style housing in the heart of lower Manhattan. We have enclosed herein a flyer, which we invite you to post at your institution in a location that would be visible to your undergraduates.

Additional information is available at <https://mrsec.as.nyu.edu/reu-undergraduate>.

Interested students should complete the online form or contact Dr. Lorenza Favrot, the NYU-MRSEC Administrator, at lf91@nyu.edu. The application deadline for this summer program is February 28<sup>th</sup>.

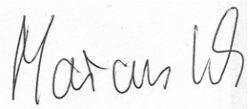
If by email, the application materials should contain the subject heading “Application for the Y2019 NYU-MRSEC REU Program” and the following items should be included as attachments:

- A one-page curriculum vitae
- A statement of purpose

- A statement of career interest following undergraduate school
- A statement indicating the preferred faculty advisor(s) and/or project
- An unofficial transcript
- Two letters of recommendation

We hope that you can help us identify talented undergraduate students with an interest in science and engineering who would enjoy a unique research experience in the NYU-MRSEC program. If you have any questions, please do not hesitate to contact either of us.

Sincerely,

A handwritten signature in black ink that reads "Marcus Weck". The signature is written in a cursive style with a large, stylized 'M' and 'W'.

Marcus Weck  
Professor, Department of Chemistry  
Director, *NYU Materials Research Science and Engineering Center*