



Program Summary & Guidelines

Materials Microscopy Student Research Summer Fellowship

Carl Zeiss Microscopy - Summer 2024





Program Scope

The Materials Microscopy Student Research Summer Fellowship is a program offered by Carl Zeiss Microscopy to provide an exciting opportunity for one or more students in the physical sciences to advance their knowledge and research projects utilizing advanced microscopy technology. Eligible students are invited to submit research proposals, as further detailed below, describing how their research would be advanced via access to one or more microscopes located within the ZEISS Microscopy Customer Center (ZMCC) in Dublin, CA. Through a competitive review process, the student(s) submitting the winning proposal(s) will be invited to a paid six-week summer 2024 internship at the ZEISS ZMCC, where they will spend their time performing their proposed research with support of ZEISS staff as well as contributing to ZEISS-assigned projects involving the development or application of emerging microscopy technology in materials research.

Key Dates

January 15 – 25, 2024	Mandatory Informational Webinars	Interested participants must select and attend one of the informational webinars (Registration is on program webpage)
February 16, 2024	Initial Round 1 Proposals Due	See below for proposal guidelines and evaluation criteria
February 20, 2024	Finalist Proposals Announced	Several top proposals will be identified, provided feedback, and invited for re-submittal in Round 2
March 1, 2024	Submission of Finalist Round 2 Proposals	Students submitting to Round 2 will also be asked to complete a formal job application at this time
March 5-12, 2024	Finalists Present Proposals	Finalist proposals will join a web call to make a short presentation and discussion of their proposal to a ZEISS panel
March 15, 2024	Selected Proposal(s) Announced and Notified	
June 17 – August 2, 2024	Summer Fellowship Program	The selected student(s) will join the Summer Program on-site in Dublin, CA

Eligibility

Submission to the program is open to individuals who meet the following criteria:

- As of Summer 2024, must be a full-time student in the USA or Canada pursuing a degree in the physical sciences such as engineering, materials science, chemistry, physics, geology, or a related field
- Undergraduate or graduate students are welcome to participate
- Must be eligible for short-term (6-week) temporary employment in California
- Student(s) of selected proposal(s) are expected to be on-site in Dublin, CA for the duration of the summer program. ZEISS will cover the cost of airfare to/from California, but student(s) are expected to arrange their own accommodations during the program.



Call for Proposals & Guidelines

***** Program registration is on the [webpage](#) *****

Round 1 proposals will be due by February 16, 2024. A strong proposal will contain the items below. Proposals will be evaluated based upon a combination of the strength of the individual's background experience, as well as the feasibility and impact of the proposed project. Proposals should be submitted as a PDF as follows:

- Page 1 should be a cover page which includes:
 - Title of the project
 - Name and contact details of the applicant
 - The applicant's host institute and department
 - The degree the applicant is pursuing
 - Brief description of significant other stakeholders involved in the project, ie. advisor or PI
 - Description of the intended outcome of the proposed work, ie. publication, PhD thesis, etc...
- Pages 2-4 should provide a technical description of the proposed work, and can include text and figures:
 - Proposals should describe the background of the project, and the scientific merit/impact of the research being performed
 - The need for using microscopes to support the research should be clear
 - The need for the applicant to access microscopes through this program should be clear. In other words, how will this program enable the participant to perform research that would otherwise be very difficult or impossible for them?
 - The scope of work proposed should be realistic, both in terms of the technical feasibility, instrumentation required (aligned with available instrumentation at the ZEISS Microscopy Customer Center) and the time available
- Page 5: Applicant's Curriculum Vitae
- Page 6: Reference list of relevant past works (whether those of the applicant or others)

For any questions, please contact the program manager Will Harris at: william.harris@zeiss.com