

## UC Noyce Initiative 2023 Call for Applications

### OVERVIEW

The UC Noyce Initiative is a partnership between five University of California campuses (Berkeley, Davis, Irvine, San Francisco, Santa Barbara) that honors the legacy of Ann S. Bowers and Robert N. Noyce by advancing computing, information science, and engineering for the benefit of society. To further this aim, the UC Noyce Initiative intends to support research efforts that are innovative, have the potential for high-impact, and hold a strong promise for follow-on funding. The UC Noyce Initiative is particularly interested in supporting high-risk, high-reward research that typically does not qualify for traditional or federal funding agencies. In 2023 the UC Noyce Initiative requests proposals in two thematic focus areas: (1) **Computational Health**; (2) **Privacy and Security**.

Computational Health: Computing and new sources of data have transformed how we address medical and public health questions that were once insurmountably complex. We have the potential through data analytics, machine learning, and new digital devices to revolutionize disease treatments, reduce the impact of infectious disease, fight health disparities, and much more.

Privacy and Security: In our increasingly digitally networked world, data and algorithms used for decision making are creating new opportunities and challenges. In this context, individuals, organizations, and government agencies worldwide need to ensure that their systems are safe from cyberattacks, that algorithms are used ethically, and that private data is not misused. Cybersecurity, privacy and responsible use of AI/ML will be critical to ensuring safety as the world is transformed through advanced digital technologies.

### AWARD DETAILS

Researchers may apply for either a Multi-Campus Partnership Award or a Single Campus Award. The Initiative anticipates awarding up to four Multi-Campus Partnership Awards and up to 10 Single Campus Awards in 2023.

Award Type	Budget Maximum (total costs)	Award Duration	Partnership Requirements
Multi-Campus Partnership	Up to \$1 Million	2 years	Inclusion of a least 3 initiative campuses
Single Campus	Up to \$300,000	2 years	NA

### ELIGIBILITY

- Principal Investigator (PI) status at one of the UC Noyce Initiative campuses.
- A researcher may only serve as PI on one application and may only participate in up to three awarded projects.
- Current and previous UC Noyce Initiative award recipients are eligible to apply.

## APPLICATION GUIDELINES

Applications will include the following components and utilize this [application template](#):

Proposal Title: Please insert a concise but descriptive title of your proposal.

Select your Thematic Area (dropdown): Computational Health or Privacy & Security

Select Award Type (dropdown): Single Campus or Multi-Campus Partnership

Have you previously received a UC Noyce Initiative award (checkbox): (Yes/No). Please note this will be used for UC Noyce Initiative tracking purposes only.

PI Name, Campus, Contact: Please enter your name, job title, your affiliated campus, and contact email. (Partnership awards will be required to provide these details for each partner campus PI)

Keywords: Please provide three keywords that best describe the research to be conducted.

Abstract (500 word max): Please outline why the research is needed/important and the potential broader impact it would have on society; an overview of the scientific approach(es) to be used; and a statement on why the proposed research is not fundable by other traditional/federal funding sources.

Impact Statement (200 words max): Explain how the proposed research may impact your field, technology, and society.

### Research Narrative (5 pages max):

The research narrative should include the following information:

- Background/rationale
- Specific aims, research methodology, and milestones
- Innovation – highlight the innovation involved in the approach, technology, solution etc.
- Impact – explain the potential impacts of this research on your field and society and, if applicable, the translational potential of the proposed research.
- **\*Multi-campus partnership applications only**: Please add up to **1 additional page** to explain how the proposed collaboration will advance your research and impact. Please comment also on how the collaboration will work across the campus partners.

Please ensure that the research narrative is no longer than 5 pages not including references using no smaller than 11-pt font, single-spaced with half-inch margins.

Budget & Budget Justification (not part of Narrative 5-page limit): Please complete the following [budget template](#) to outline how the requested funding will be utilized, as well as a 1-page budget justification explaining the proposed costs in each category. Awards may be used to cover relevant research expenses, including salary support, graduate student/postdoctoral research support, supplies & materials, computing expenses, equipment, publication expenses, and travel costs. Indirect costs should not be included.

CVs: Please provide a CV (5 page maximum) for each PI and co-investigators participating on the project. NIH or NSF biosketch formats may be used. Be sure to call out any special qualifications that uniquely qualify you for this project.

## **REVIEW CRITERIA**

Applications will undergo peer review by faculty in fields relevant to the two thematic areas from Initiative campuses. The peer reviewers will assess applications on the following review criteria, which applicants are encouraged to consider when developing their proposals.

The outcome from the review committee will be provided to the UC Noyce Initiative leadership who will finalize the award decisions, based on reviews, program priorities, campus strategies, and available funding.

### Multi-Campus Partnership Awards:

#### **Scientific Merit (50% scoring weight)**

Are the proposed approaches and methodologies clearly outlined, scientifically rigorous, and appropriate for the proposed research? Is the problem being addressed important and timely? Is the proposed approach innovative? Are appropriate data protection/management systems in place? If the research involves human subjects, are necessary protections outlined and appropriate?

#### **Impact (25% scoring weight)**

How impactful would the proposed research be in advancing knowledge, methodologies and/or technology in the indicated thematic area? What is the translational potential of the proposed research? What is the impact on society? How likely is the proposed research to impact follow-on funding?

#### **Strength of the Collaboration (15% scoring weight):**

Does the collaboration across the partner campuses strengthen the proposed research? Is the partnership complementary and/or synergistic? Does the proposal outline a meaningful engagement plan across the participating campus partners?

#### **Expertise and Capacity (10% scoring weight)**

Do the PIs have the experience and expertise to conduct the proposed research? Does the proposal have the appropriate levels of support and/or complementary expertise to complete the proposed research? Does the proposal outline that the collaboration has the needed equipment, space, or mechanisms in place to successfully achieve the stated goals? Is the requested budget and justification reasonable and appropriate for the successful completion of the research?

### Single Campus Awards:

#### **Scientific Merit (50% scoring weight)**

Are the proposed approaches and methodologies clearly outlined, scientifically rigorous, and appropriate for the proposed research? Is the problem being addressed important and timely? Is the proposed approach innovative? Are appropriate data protection/management systems in place? If the research involves human subjects, are all necessary protections outlined and appropriate?

#### **Impact (30% scoring weight)**

How impactful would the proposed research be in advancing knowledge, methodologies, technologies and society in the indicated thematic area? How likely is the proposed research to be sustainable or obtain follow-on funding after the completion of the outlined research?

### **Expertise and Capacity (20% scoring weight)**

Does the PI have the experience and expertise to conduct the proposed research? Does the proposal have the appropriate levels of support and/or complementary expertise to complete the proposed research? Does the proposal outline that the applicant has the needed equipment, space, or mechanisms in place to successfully achieve the stated goals? Is the requested budget and justification reasonable and appropriate for the successful completion of the research?

### **INFORMATIONAL WEBINAR**

The UC Noyce Initiative will hold a 1-hour informational webinar where we will provide an overview of the award requirements and an opportunity for applicants to ask questions. The webinar will be held **June 27, 2023 at 12:00pm (noon)** via Zoom at the following link: <https://berkeley.zoom.us/j/95508508861> (Meeting ID: 955 0850 8861).

### **HOW TO APPLY**

To submit your application, please use the [UC Davis InfoReady Platform](#) ([linked here](#)). Please be sure to complete all requested information, use the [application template provided](#), and upload a PDF of the application materials where indicated. Application materials will be uploaded as three separate files: 1.) A single PDF that includes the research narrative and budget justification; 2.) a PDF of the completed [budget template](#); and 3.) A single PDF of all investigator CVs. Applications must be submitted via InfoReady by **August 15, 2023 at 6:00PM**.

### **ANNUAL REPORTING AND SYMPOSIUM**

All award recipients will provide an annual progress report. Awardees will also be invited and encouraged to participate in the annual UC Noyce Initiative Symposium.

### **QUESTIONS AND CONTACT INFORMATION**

Should you have any questions about the application requirements or process, please contact Gretchen Kiser (UCSF) at [rdoinfo@ucsf.edu](mailto:rdoinfo@ucsf.edu)

For questions about accessing and submitting your application in InfoReady, please contact Ana Lucia Cordova (UC Davis) at [strategicinitiatives@ucdavis.edu](mailto:strategicinitiatives@ucdavis.edu)

Please also reference the **Frequently Asked Questions** document [linked here](#). This document will be updated regularly until the application due date.

### **2023 TIMELINE**

Call for Applications Released:	June 14, 2023
Informational Webinar:	June 27, 2023 at 12:00PM
Applications Due:	August 15, 2023 by 6:00PM
Award Start Date:	October 1, 2023