



NHIC Bioscience Instrumentation Fund for Undergraduate Educational Institutions in New Haven

Thanks to funding provided by the <u>New Haven Innovation Collaborative</u> and <u>CT Next</u>, we are pleased to share the application form for this year's NHIC Bioscience Instrumentation Fund.

Applications will be accepted from faculty members for instrumentation that supports bioscience-driven teaching and research at primarily undergraduate institutions in New Haven. Priority will be given to applications in the areas of biochemistry, molecular and cell biology, microbiology, organic and medicinal chemistry, drug discovery, and data science. We intend to consider funding requests in the range of \$1,000 - \$10,000 and require a 1:1 cash match (see additional requirements below).

In 2020, we received 23 applications with requested awards ranging from \$475 to \$10,000. We issued 12 awards averaging approximately \$4200 per award.

Eligible items include:

- 1) Lab instruments and equipment in support of teaching and research.
- 2) Scientific software purchases or subscriptions (including upgrades).
- 3) Computers and printers necessary for the operation of an instrument.

Instrument repairs and routine consumable items such as reagents, solvents, glassware, and pipet tips (etc.) are ineligible items.

Requirements:

- 1) Please complete and submit the google.form https://forms.gle/z4s73nN9h68dBNg6A, including the "Letter of Understanding". For your convenience, please find the questions on page 3 of this document. The "Letter of Understanding" may be found on page 4.
- 2) Upload a vendor quote to the google.form https://forms.gle/z4s73nN9h68dBNg6A
- 3) The program requires a 1:1 cash match from the proposing faculty member, department, or institution. These matching funds may be drawn from research grant funding, departmental operating budgets, foundation support, or other sources and need be specified and approved at the time of application.
- 4) All applications will be assessed based on our rubric, which you can find on the next page.
- 5) Tracking of equipment use and the number of students benefiting, including photo documentation is mandatory.
- 6) Submit your application by September 30, 2022.
- 7) All equipment must be purchased and delivered no later than October 30, 2022.







NHIC Bioscience Instrumentation Rubric

	Substantially (3)	Moderately (2)	Limited (1)
Impact on student learning and faculty research	Explicit detail provided	Some detail provided in	Hard to follow logically
	in terms of how the	terms of how the new	or provides <u>few details</u>
	new material(s) will	material(s) could:	in terms of how the
	<u>substantially</u>	enhance student	new material will
	support/enhance:	learning opportunities	enhance student
	student learning	and/or faculty research	learning opportunities
	opportunities and/or	and/or includes	with <u>weak or no</u>
	faculty research with	some/weak	<u>justification</u>
	strong justification	justification	
Alignment with NHIC/BioPath Mission and Goals	Explicit detail is	Some detail provided in	Hard to follow logically
	provided in terms of	terms of how the new	or <u>few details</u> included
	how new material(s):	material(s) could:	regarding alignment
	Aligns with all/most of	Aligns with some of the	with NHIC/BioPath
	the NHIC/BioPath	NHIC/BioPath Mission	Mission and goals with
	Mission and goals, and	and goals, and provides	weak or no justification
	provides <u>strong</u>	some/weak	
	justification	<u>justification</u>	
Potential for industry synergy and collaboration	Explicit detail in terms	Some detail is included	Hard to follow logically
	of:	in terms of:	or <u>few details</u>
	synergy with local	synergy with local	addressing synergy
	company interests and	company interests and	with local business
	will/can foster	can foster increased	interests and/or limited
	increased collaboration	collaboration, with	potential for
	with strong justification	<u>limited or weak</u>	collaboration with
		<u>justification</u>	weak or no justification

NHIC website https://www.nhvinnovation.com/previousprojects

BioPath's mission is to sustain the Greater New Haven region as a leader in bioscience through the development and implementation of industry-driven educational programming in order to build, maintain, and advance a pipeline of highly-skilled, well-educated citizens and workers for the Bioscience sector.





NHIC Bioscience Instrumentation Application Questions

- 1) Institution:
- 2) Department:
- 3) Applicant name(s):
- 4) Email / Phone:
- 5) Vendor:
- 6) Name of instrument/equipment:
- 7) Full equipment price *Please attach current vendor quote
- 8) Funding amount requested:
- 9) Source of matching funds:

Long-form questions

- 10) Please provide a brief description of the instrument/equipment:
- 11) Description of intended use in research and teaching:

Please include classes and/or individual students that will be impacted per year and the relevance for training in one or more of the disciplines described above. Include the course number and name (i.e. PHY101, Introduction to Physics) as well as the enrollment capacity for each course (i.e. 23 students per semester)

12) Additional faculty (and/or departments) that will be using the equipment:

Please list additional faculty that will be using the equipment, as well as the course name associated with that faculty member. Include the course number and name (i.e. PHY101, Introduction to Physics) as well as the enrollment capacity for each course (i.e. 23 students per semester)

13) Description of how the instrument/equipment aligns with the interests of local Bioscience companies.





NHIC Bioscience Instrumentation Letter of Understanding

All equipment purchasing (and equipment delivery) as well as all matching fund transactions MUST be completed no later than September 30, 2022.

Once the funded equipment has been delivered, you must submit the following documents to Carol Jenkins (JenkinsC12@SouthernCT.edu) in order to receive the approved funding amount:

- 1) An invoice to SCSU for the approved amount
- 2) A copy of the original invoice/receipt from the vendor
- 3) A copy of all delivery packing slips
- 4) Any other requested documents

We understand that should this application be accepted for funding towards the purchase of small equipment that we are responsible for providing a cash match in the same amount.

Applicant name (printed)	Applicant signature / Date
Authorized budget authority name (printed)	Signature of Authorized budget authority / Date

Application Deadline: September 30, 2022

Selected applicants will be contacted via email by October 30, 2022

For questions or concerns regarding your application, please contact Peter Dimoulas at dimoulasp1@southernct.edu

For questions and concerns regarding transactions and accounting, please contact Carol Jenkins at <u>JenkinsC12@SouthernCT.edu</u> (and cc Peter Dimoulas)