



NEW HAVEN
INNOVATION
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NHIC Bioscience Instrumentation Fund for Undergraduate Educational Institutions in New Haven

Thanks to funding provided by the [New Haven Innovation Collaborative](#) and [CT Next](#), 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	<u>Explicit detail</u> provided in terms of how the new material(s) will <u>substantially</u> support/enhance: student learning opportunities and/or faculty research with <u>strong justification</u>	<u>Some detail</u> provided in terms of how the new material(s) could: enhance student learning opportunities and/or faculty research and/or includes <u>some/weak justification</u>	Hard to follow logically or provides <u>few details</u> in terms of how the new material will enhance student learning opportunities with <u>weak or no justification</u>
Alignment with NHIC/BioPath Mission and Goals	<u>Explicit detail</u> is provided in terms of how new material(s): Aligns with all/most of the NHIC/BioPath Mission and goals, and provides <u>strong justification</u>	<u>Some detail</u> provided in terms of how the new material(s) could: Aligns with some of the NHIC/BioPath Mission and goals, and provides <u>some/weak justification</u>	Hard to follow logically or <u>few details</u> included regarding alignment with NHIC/BioPath Mission and goals with <u>weak or no justification</u>
Potential for industry synergy and collaboration	<u>Explicit detail</u> in terms of: synergy with local company interests and will/can foster increased collaboration with <u>strong justification</u>	<u>Some detail</u> is included in terms of: synergy with local company interests and can foster increased collaboration, with <u>limited or weak justification</u>	Hard to follow logically or <u>few details</u> addressing synergy with local business interests and/or limited potential for collaboration with <u>weak or no justification</u>

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.



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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 JenkinsC12@SouthernCT.edu (and cc Peter Dimoulas)