

# COLLABORATORY



AT COLUMBIA UNIVERSITY

**CALL FOR GRANT PROPOSALS**  
**The Collaboratory Fellows Fund**

**RFP Issue Date: June 1, 2020**  
**RFP Due Date: July 31, 2020 4:00 PM**

**Info Session - Zoom Call**  
**June 19<sup>th</sup>, 2020**  
**10:00 AM to 11:30**

(Request Zoom Link from [cm3014@columbia.edu](mailto:cm3014@columbia.edu))

## **Preparing Tomorrow's Leaders for a Data-Rich World**

The increasing availability of data in society is impacting our world in profound ways. As our ability to generate, store, and analyze data grows, so do the opportunities for using data to improve our economy, our security, the environment, and human health. To prepare for a data-rich world, students and future leaders need to integrate data science into their traditional areas of study.

Conversely, just as the need for data literacy increases, so too does the need for students of data and computer science to understand the impact of traditional domains on their professions. What, for example, do data scientists need to understand about Ethics, Policy, History, Healthcare, and Law?

Jointly founded by Columbia University's Data Science Institute and Columbia Entrepreneurship, Innovation, and Design, the Collaboratory at Columbia is a university-wide program dedicated to supporting collaborative curricular innovations in interdisciplinary study designed to ensure that all Columbia students receive the education and training they need to succeed in today's data-rich world. Information about the Collaboratory at Columbia can be found here: [collaboratory.columbia.edu](http://collaboratory.columbia.edu). the Collaboratory Fund Grant Application can be found [here](#).

### **Call for Proposals for the Collaboratory Fellows Program:**

The goal of the Collaboratory Fellows Fund is to support the development of interdisciplinary and innovative curricula that meet the data and computational literacy needs of a given discipline, set of disciplines and/or cohort of students at Columbia University. Our aim is seed-fund these new courses in the hopes that they extend beyond the point when grant funds are depleted.

Please use this RFP if you are initiating an entirely new interdisciplinary course, if you are applying for the second half of a project already partially funded, or if you are requesting funds to convert your course into digital teaching modalities.

The program will award grants for pairs of instructors, one with disciplinary/area expertise and one with data-science and/or computational expertise, to collaborate on the development and teaching of material that embeds data or computational science into a more traditional domain and the reverse, embeds traditional domains into the context of a data science or computer science curriculum.

The new content should use pedagogy, instruction, and delivery methods that are fitting for the specific student cohort. Example curricular offerings include classes, labs, workshops, studios, out-of-semester offerings and “boot-camps,” and other examples [\[here\]](#). Student cohorts can be undergraduate students, Ph.D. students, or graduate students undergoing professional training. The goal is to create diverse course offerings that are accessible to students at all levels, including those who have no previous data science exposure.

Proposals are welcome from all schools at Columbia University, including traditional areas of study that can enrich the education of data-focused students. Because the goal of the Fellows Fund is to support data literacy as an important element of a Columbia University education, it is intended that all developed material be integrated into Columbia’s instructional offerings.

#### **Eligibility:**

Applications must be submitted by a pair of instructors (or more if justification is provided), each of whom must have the authority to assume scholarly, administrative, and financial responsibility for their individual award. Those eligible to apply are: full-time officers of instruction, professors of practice, lecturers within discipline and/or adjunct professors of Columbia University. At least one member of the instructional team must be appointed full-time. All full-time members on the team must hold primary appointments at Columbia University. Information about prior successful selectees for the Fellows Fund can be found [\[here\]](#).

Collaboratory projects that were partially funded in the past are eligible to apply for the second half of their funding using this RFP. Also, already funded (partially or in whole) Collaboratory funds may use this RFP to request funding to convert class-room, in-person teaching materials into digital content for online teaching modalities.

#### **Funding:**

All awards will be made on a competitive basis to teams or pairs of instructors. Projects will receive an award of up to \$150,000 to support the co-development and teaching of the new material. Example uses of award funding might be the buy-out of teaching in order to free up time for co-development activities, summer salary support, support for TAs or student assistants, the development of on-line curricular components, the cost of materials, supplies and other items, etc. Applicants must provide a budget and budget justification as part of their application. Proposals from more than two-instructors are welcome if justification is provided, although the maximum funding per offering will remain at \$150,000.

#### **Sustainability, ensuring classes are available after the funding has expired.**

Proposals without plans to continue instruction beyond the original grant funding will not be considered. Therefore, an essential portion of the application is a letter from applicants’ respective dean(s) stating – conditional upon the successful development of the new course -- that they will provide additional resources to continue the course beyond the Collaboratory Grant funding.

**Information Session & Finding Collaborators:**

We will host an information session on June 19<sup>th</sup> at 10:00 AM. Zoom call logistics time to be confirmed. Please RSVP to [cm3014@columbia.edu](mailto:cm3014@columbia.edu).

To post to others that you are seeking a collaborator, please make your request to [cm3014@columbia.edu](mailto:cm3014@columbia.edu).

**To Apply:**

This RFP with an application cover page can be downloaded [here](#). Submit the materials requested in the application instructions via email as a pdf to [collaboratory@columbia.edu](mailto:collaboratory@columbia.edu) by the deadline. Proposals will be judged by a multi-disciplinary panel drawn from across the university.

**Deadline:**

July 31<sup>th</sup>, 2020, 4:00 PM (Neither incomplete nor late applications will be accepted)

**Anticipated Award notifications:**

August 31<sup>st</sup>, 2020

**Questions?**

Please contact [collaboratory@columbia.edu](mailto:collaboratory@columbia.edu) | Webpage: <http://collaboratory.columbia.edu/>

Tian Zheng

Professor and Department Chair of Statistics at Columbia University Professor, [School of Engineering & Applied Science](#) and Associate Director for Education

# COLLABORATORY

AT COLUMBIA UNIVERSITY

THE COLLABORATORY@COLUMBIA | COLLABORATORY FELLOWS FUND | REQUEST FOR PROPOSALS

## APPLICATION COVER PAGE

Project   Course Title:	
<b>Contact Information (Principal Investigators/Instructors)</b>	
Full Name:	
Title:	
School(s):	
Dept./Division/Center/Institute:	
Email:	
Phone:	
<hr/>	
Full Name:	
Title:	
School(s):	
Dept./Division/Center/Institute:	
Email:	
Phone:	
(If additional contacts are needed, please check here, _____, and provide supplemental listing before CV's.)	
<hr/>	
Executive Summary   300 words or less	
Funding Amount Requested: _____   Maximum Request: \$150,000.00	
<b>Proposal Check-List</b>	
<input type="checkbox"/> Application Cover Page	Letters of Support
<input type="checkbox"/> Executive Summary	<input type="checkbox"/> Deans <i>(Required)</i>
<input type="checkbox"/> Budget, Narrative & Justification	<input type="checkbox"/> Department Chair(s) <i>(As appropriate)</i>
<input type="checkbox"/> Proposal	<input type="checkbox"/> NSF style CV for Each Instructor
<i>Please email the required documents in this order, in a single file, to <a href="mailto:collaboratory@columbia.edu">collaboratory@columbia.edu</a> by the stated deadline.</i>	

# BUDGET REQUEST

<b>Project   Course Title:</b>	
<b>BUDGET</b>	
<i>Please provide a summary budget of the proposed project. Add lines or categories as necessary.</i>	
Personnel, including salary and fringe	\$
Supplies & Materials	\$
Meetings & Travel (airfare, hotel, etc.)	\$
Other costs (please specify)	\$
	\$
	\$
	\$
	\$
<b>Total Cost</b>	<b>\$</b>

\*NOTE: You're welcome to use your own template in excel, however, please ensure to include relevant budget categories.

**Budget Narrative & Justification:**

*Please provide a short description and justification of how funds received from the Collaboratory Fellows Program will be used. It is required that all funds be expended within a 3-year period. Proposed instructional offerings must be introduced into the Columbia University Curriculum within 2 years of obtaining funding.*