



Center for Advanced Technology (CAT) Grant Application

PLEASE NOTE: You must have funding support from a New York State company to submit this application. The CAT award is a matching grant.
Fill out the required information (in **red**) on this application. You must complete the required information sections for consideration.

General Information

Proposal Title:

NY company partner name and contact information:

Is this a submission of a related, previously funded CAT project? Yes No
If so, what year(s) was it funded?

Project Period Start Date:

Project Period End Date:

Principal Investigator's First Name:

Principal Investigator's Last Name:

PI Department:

Campus Address:

Phone Number:

E-mail Address:

Co-Principal Investigator's Full Name (1):

Co-PI Department:

Campus Address:

Phone Number:

E-mail Address:



Co-Principal Investigator's Full Name (2):

Co-PI Department:

Campus Address:

Phone Number:

E-mail Address:

Does this project involve:
 Human Subjects? Yes No
 IRB Approval Number

Vertebrate Animals? Yes No
 IACUC Number

Does this project involve (a) the use of proprietary materials (for example, materials that require an MTA, or a process, technique, or product that requires intellectual property protection), or (b) potential conflict of interest?

(a) Yes No

(b) Yes No

If yes, please explain.

Does your project include development, characterization, or testing of materials? Yes No

If yes, the Cornell Center for Materials Research (CCMR) can provide up to \$5,000 to supplement selected awarded CAT grants. Visit <http://www.ccmr.cornell.edu/industry/cat-grants-for-nys-businesses/> for more information. Please highlight in your workplan and in the Budget section on page 4 what will be the activities related to development, characterization, or testing of materials.

Explain below:

Have you previously received funding from the CAT?

Yes No

If yes, have past projects supported by the CAT led to any disclosures, patents, licenses, or new company formation, or leveraged new federal or corporate funding? Please explain.

Please attach: a) your CV in the biosketch format used by NSF. (see: https://www.nsf.gov/pubs/gpg/nsf04_23/2.jsp), and b) document listing your current and pending grants (C&P).



Scientific Merit, Commercial Potential/Development Path, & Economic Impact

I. Scientific Merit

What is the goal of this project? Please describe in non-confidential terms in 2-3 sentences. Avoid scientific jargon.

Abstract/Summary – Please complete in Word and attach to this application. Use non-confidential descriptions only and follow this format (2,500 words maximum):

- Abstract
- Introduction
- Goals and objectives
- Experimental approach
- Application of your research
- Deliverables (measurable outcomes)

II. Market Potential of Product or Service and Pathway to Commercialization

(250 - 500 words suggested)

- a. Describe the **market potential** of your future product or service. Include:
 - Define the status quo for the problem
 - Tell how will your technology offer an improvement over the status quo
 - Explain competitors' products and services (Note: "doing nothing" for a certain healthcare situation may actually be the current status quo)
- b. Describe the **pathway to commercialization** that you and your company partner envision for your technology product or service. Include:
 - Information on your invention disclosure to Cornell's Center for Technology Licensing (CTL), or plans to disclose your inventions
 - Plans for scale-up of your technology in a commercial setting
 - How and when you will navigate any regulatory approval processes (USDA, FDA, EPA, etc.)
 - Testing in the hands of the consumer
 - Business strategy to get product/service to market
 - Reimbursement or insurance issues (only applies to human health care products)

III. Economic Impact in New York State (250 - 500 words suggested)

Economic impact refers to the growth in New York State that could result from the eventual commercialized product or service based on the technology that you propose in your CAT application. Discuss between faculty applicant and partner company.

Indicate the projected economic impact on the company partner of the proposed project over the next five years in terms of

- Jobs created and retained in New York State
- Increased corporate revenues (product sales, research contracts., etc.)
- Corporate savings
- Leveraged funding (SBIR/STTR, grants, Angel or VC investment, strategic partnerships)
- Include timelines that show when these impacts are expected. Attach your responses as a Word document.



Budget Period

Budget Period Start Date:

Budget Period End Date:

Personnel

Name	Title	Effort		Salary*	Fringe	Tuition	Total <small>(please calculate)</small>
		%	Hr/wk				
PERSONNEL (PI)							
						NA	
OTHER PERSONNEL							

Sub-Total Personnel Costs

PLEASE CALCULATE FIELDS

Budget Details

Equipment (Itemize and justify)**

Supplies (Itemize by Category)

Travel (Domestic only; must be justified and directly relevant to the project)

Other Expenses (Itemize by Category)

Budget Justifications

*Faculty salary cannot be claimed as a direct charge. Percent effort is necessary to compute match for CAT projects.

**List individual items over \$500 each. Justification is required.

TOTAL CAT BUDGET (NOT including industry partner match. Please calculate.) = \$