



## Do you want to turn your med-tech innovation idea from science-fiction into science-fact?

**We can help!**

### BME Capstone Design is now accepting rolling Fall 2024 Project Submissions

**Submissions due \*Thursday, August 1, 2024; 11:59 pm EST**

What's the answer to your "I wish I had..." or, "What if we could...?" when it comes to your ideas for enhancing patient care through novel medical device technology? What if you could partner alongside and advise a Georgia Tech Biomedical Engineering (BME) team to investigate and design a patentable solution for that idea in just 16 weeks?

You can! **BME Capstone is currently seeking project proposals for the Fall 2024 semester.** When you work with GT BME Capstone, your hand-picked Capstone engineering design team works over 500 man-hours per project to ideate, design, and prototype real solutions that address unmet clinical needs.

**All healthcare professionals**-- physicians, advanced practice providers, nurses, residents/fellows, student trainees, emergency technicians, biomedical industry members, and academic researchers-- are invited to work with us!

We are focused on delivering value and actionable results to support project sponsors and healthcare innovators who are on a mission to ultimately benefit patient care. Highlighted accomplishments include:

- Two teams published experimental findings supporting their design solutions in two academic journals: a FIRST for the entire Georgia Tech Capstone Program
  - [Team Brainy Bunch](#), in collaboration with the Mayo Clinic, designed and verified a patient-specific, anatomically accurate, and electrically responsive biomimetic 3D-printed model for use in neurosurgical training and preoperative planning. Their work is now published in [Operative Neurosurgery](#).
  - [Team Project Halo](#), in collaboration with the U.S. Army Rangers, performed field research and quantified the blast exposure of mortarmen during training exercises. Accepted for publication in [Military Medicine](#). Learn more about the [team's work here](#).
- [Team Heart Throbs](#) won a \$15,000 Venture Prize in the National 2021 DEBUT Challenge for their AusculBand device, a long-distance stethoscope that provides real-time and pre-recorded data to physicians. [Learn more here](#).
- Seven teams [presented their design work](#) at the Southeast Regional CTSA Conference, another first for our program!

If you have identified a health-care challenge that needs to be solved, Capstone teams are eager to work on it. We look forward to working with you this Spring!

Submit your idea by **\*Thursday, August 1, 2024; 11:59pm EST** or contact New Partnerships Liaison [Alessandra Luna](#) for more information.

**\*We strongly recommend rolling submissions** received well before the deadline so our team can work with you in advance to workshop your proposal, adjust scope if needed, and coordinate observations with clinical partners if applicable.

[Click here to Submit A Project](#)

## What does it take to become a sponsor? Sponsor FAQs

- What is BME Capstone?
  - Detailed letter for [Clinical Sponsors](#)
  - Detailed letter for [Industry Sponsors](#)
- [What does sponsoring a project involve?](#)
  - See our Sponsor FAQs at the bottom of our project submission page
- [How do I format a project submission/clinical need?](#)
- What project outcomes should I expect?
  - Follow our social media handles using the links at the bottom of this message or find our handle @GTBMEEcapstone. We're live on [LinkedIn](#) showcasing our student successes
  - Read the articles linked below in the next section highlighting the outcomes of some of our award-winning teams
- What are examples of past projects?
  - We invite you to explore the extensive diversity of our project portfolio by viewing our [Spring 2024](#), [Fall 2023](#), [Spring 2023](#), [Spring 2022](#), and [Fall 2022](#) online project showcases.

Do you want to see what BME Capstone can do for you? [Click to view our recent Virtual Expo showcase](#)



Students presenting at the Georgia Tech Capstone Design Expo. [Click the picture to learn more](#)

## Did you know?

Our award-winning teams have recently been recognized in the following entrepreneurial and design competitions (article links are included below):

### Recent wins from our students!

- Pulse OxiMates Global Health team a **finalist** in the ACC InVenture Prize in [2023](#)
- Mayo Clinic sponsored carSEAL team **wins** the ACC InVenture Prize in [2022](#)
- **Winner** of Rice University 360 Global Health Technologies Design Competition in [2022](#), [2020](#), and [2019](#)

### Articles highlighting prior student teams:

- **Winner** of NIBIB DEBUT Challenge HIV/AIDS Prize in [2019](#)
- **Winner** of the NIBIB DEBUT Challenge in [2021](#)
- **Winner** of Johns Hopkins University Healthcare Design Competition in [2019](#).
- **Winner** of Georgia Tech Inventure Prize in [2019](#).
- **Finalists** for the Collegiate Inventors Competition in [2021](#), [2019](#), [2018](#), + more!



### Questions? Have an Idea for Collaboration?

To learn more about how we can help you transform science fiction into science fact, please contact:  
 Faculty Director [James Stubbs, PhD](#)  
 New Partnerships Liaison [Alessandra Luna](#),  
 or visit us at <http://bmecapstone.gatech.edu>