

M2D2 \$200K Challenge 2025



This is a preview of the online application - you must complete the application via Accelerator App to submit your innovation to the \$200K Challenge.

For any questions, please email m2d2@uml.edu / please share only non-confidential information throughout this application

1.) Applicant Information

First Name

Last Name

Title

Email Address

Phone Number

2-Are you applying from a company perspective or academic institution perspective?

Company

Academic Institution

3-Name of Company or Academic Institution

4a - Address

4b - City

4c - State

4d - Zip

4e - Country

5-Team name (if applicable)

6-Product name (if applicable)

7-What track(s) does your solution fall under? (select all that apply)

Military Medicine MedTech Sustainability Surgical Devices Point of Care Technologies

(Conditional question - shows if "7-What track(s) does your solution fall under? (select all that apply)" question is answered)

8-What Military Medicine AOI's does your solution fall under? (select all that apply)

Intracranial pressure monitor that is field suitable, pre-hospital, non-invasive: potential for integration with a total cranial vault hemorrhage detection device. Drug / biological treatments for pathogen agnostic treatment of sepsis caused by wound infection Infection prevention prophylactic for battlefield wounds that can conform to 3D wound shape (i.e., not a bandage), be self-absorbing or removable through wound irrigation, and effective against at least one, but preferably multiple, high priority pathogens: Pseudomonas aeruginosa, Klebsiella pneumoniae, Acinetobacter baumannii, Staphylococcus aureus

(Conditional question - shows if "7-What track(s) does your solution fall under? (select all that apply)" question is answered)

8-What MedTech Sustainability AOI's does your solution fall under? (select all that apply)

Novel solutions to enable parts (components, materials) from medical devices to be reused Novel methods / processes / technologies to reduce the impact of single-use diagnostics via material selection, device design, improving impact of device while in use, better end of life outcomes Novel methods / processes to quantify the improvements of new sustainable materials, designs, processes. Novel methods to utilize renewable energy for manufacturing plants and operations Novel method(s) to recycle products/materials after use in hospitals Novel method to recycle waste(s) Novel ways to integrate green chemistry and engineering into the device development process Novel packaging material(s), component(s) and/or design that will: Reduce packing weight Increase utilization of post-consumer recycled materials Novel modeling methods that calibrate decision support or clinical prediction tools to prevent deterioration as patient populations shift over time. Novel continuous re-calibration models and solutions to address calibration drift of hospital instruments (advanced AI/ML, other.) Novel solutions to reduce energy consumption from AI/computers

(Conditional question - shows if "7-What track(s) does your solution fall under? (select all that apply)" question is answered)

8-Which domains below does your surgical solution address that simplify and improve therapeutic procedures, especially in minimally invasive ways in both OR and office sites of service, filling treatment gaps and advancing patient care? (select all that apply)

Uterine (e.g. Hysterectomy, Myomectomy, Endometriosis, Hysteroscopy) Pelvic (Stress incontinence, Overactive bladder, Pelvic organ prolapse)

- Breast (Lumpectomy, Mastectomy)
- Urologic (Cystoscopy, BPH, Stone management, resection)
- ENT (Thyroidectomy, neck dissections)
- Pediatric (Appendectomy, Hernia)
- General (Bariatric, bowel, colon)
- Robotic Surgery
- Vision (Cataract, refractive surgery)
- Cardiovascular interventional solutions
- Neurovascular interventional solutions

(Conditional question - shows if "7-What track(s) does your solution fall under? (select all that apply)" question is answered)

8-What domain(s) does your point of care solution address? (select all that apply)

- Heart
- Lung
- Blood
- Sleep
- Health Science Futures: Accelerating advances across research areas and removing limitations that stymie progress towards solutions for broad ranges of disease and conditions.
- Proactive Health: Creating capabilities to detect and characterize disease risk and promote treatments and behaviors to anticipate threats whether viral, bacterial, chemical, physical, or psychological.
- Resilient Systems: Addressing systemic challenges across the healthcare and public health landscape by investing in cutting-edge technologies that address long-standing gaps in the quality, efficacy, and consistent availability of care.
- Scalable Solutions: Addressing challenges including geography, distribution, manufacturing, data and information, and economies of scale to develop impactful, timely, and equitable solutions.

9-Executive Summary (non-confidential): Summarize your concept and the problem it solves

10-Impact: Describe the need that your solution addresses

11-Novelty: Describe what is novel about your technology / approach

12-Technical Feasibility - Has the feasibility of your solution been tested?

- Yes, please describe
- No

13-Implementation – estimate of time until your solution is available on the market or in the clinic

14-Intellectual Property – protection of your technology (choose all that apply)

- Provisional patent(s)
- Issued patent(s)
- Trademark(s)
- Copyright(s)
- Trade secret(s)
- N/A

15-Funding

Total funds raised to date (Use numbers only)

Select all you have received funding from

- Grant(s) or other non-dilutive funding
- Friends and Family
- Seed round
- Series A, B, C, D
- Other, please specify

16-Regulatory strategy

Have you had a pre-submission meeting with the FDA?

Yes No

Describe your regulatory strategy to gain FDA approval

17-Reimbursement strategy- Have you met with a reimbursement expert?

Yes, Provide established reimbursement code No

18-Solution Maturity

Please indicate which level the current state of your technology is most closely aligned with.

Discovery / development Proof of concept / generating data Rough, low fidelity prototype Working, high fidelity prototype Preparing for clinical trials, including pre-clinical studies Clinical trials FDA review and marketing approval Other, please specify

19 – Supporting materials (optional)

Upload executive summary here

Attach

Upload pitch deck here (max 5 slides)

Attach

Upload video here (max 2 minutes)

Attach

20 – What services / resources / assistance are you most interested in?

- Business
- Device design assistance
- Funding Opportunities
- General consultation
- Grant Writing
- Lab Space

- Legal / intellectual property
- Office Space
- Product development / engineering
- Regulatory strategy
- Payor / reimbursement strategy
- Sponsored research
- Subject matter expertise
- Use of core research facilities
- Other, please specify

How did you hear about this opportunity?

- M2D2 email blast
- Social network
- Word of mouth
- Other, please specify

