

## Lucia M. Mancini

### Patent Engineer

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Lucia Mancini brings a diverse skill set and strong commitment to research and innovation to her role as a patent engineer in Foley's Mechanical & Electromechanical Technologies Practice Group (METPG), contributing to client innovations throughout the patent application process.

While earning her bachelor's degree, Lucia was an undergraduate research team lead at the University of Michigan's Orthopedic Rehabilitation & Biomechanics Laboratory, where she processed and interpreted ultrasound scan data of human quadricep muscles as well as assisted in the development of a MATLAB application for data analysis. Her work as an Electrical Subteam member of the university's medical project team, M-HEAL: The Initiative, gave her exposure to IEC and ISO regulatory standards as she assisted with optimizing power transfer of a heating element within the student-made neonatal baby mattress to maintain infant body temperature. Lucia has previous technical leadership experience through the College of Engineering as an instructional aide for various biomedical research and design courses, focusing on reverse engineering and Class III medical device development.

Lucia also gained valuable experience as a research and development intern for Stryker's Acute Care business in Portage, Michigan, where she fabricated and tested flexible thermoelectric coolers, designed an anatomically representative model to test next-generation hospital surface prototypes, and interviewed hospital stakeholders to identify clinical challenges in the ICU space.

### Sectors

- [Health Care & Life Sciences](#)
- [Health Tech & Genomics](#)
- [Innovative Technology](#)
- [Medical Devices](#)

### Practice Areas

- [Mechanical & Electromechanical Technologies](#)

## Education

- University of Michigan (B.S.E., magna cum laude, 2024)
  - Biomedical engineering (major)
  - Electrical engineering (minor)
  - Dean's List and University Honors Recipient
  - Electrical Subteam member, M-HEAL: The Initiative
  - Vice president of operations, Beta Mu Epsilon professional biomedical engineering fraternity