FOLEY & LARDNER LLP

Luisa Meyer

Associate

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Luisa Meyer's patent prosecution experience crosses several technologies, including medical devices and therapies, aviation and automotive technologies, power generation systems, and plumbing fixtures. She is a member of the firm's Mechanical & Electromechanical Technologies Practice.

Prior to joining Foley, Luisa was a lab supervisor and quality engineer in the lithium-ion battery industry, focused on the areas of research, product management, business development, and regulatory compliance. Her graduate research focused on characterizing and predicting trabecular bone remodeling and included both *ex vivo* studies and computational modeling.

Presentations and Publications

- Co-author, "Combined Exposure to Big Endothelin-1 and Mechanical Loading in Bovine Sternal Cores Promotes Osteogenesis," *Bone*, volume 85, pages 115-122 (2016)
- Author, "Testing and Modeling Mechanical Properties of Ex Vivo Trabecular Bone," University of Wisconsin-Madison (May 2016)
- Author, "Ex Vivo Testing of Live Trabecular Bone Using ZETOS Bone Loading System and Bioreactor," University of Wisconsin-Madison (December 2012)
- Conference Posters
    - Co-presenter, *Human Trabecular Bone Response to Mechanical Load is Dependent on Endothelin-1 Signaling*, Orthopaedic Research Society Annual Meeting, Orlando, FL (March 2016)
    - Co-presenter, *Endothelin-1 Signaling is Required for SOST and IGF1 Secretion in Response to Mechanical Load*, 2015 ASBMR 37th Annual Meeting, Seattle, WA (October 2015)
    - Co-presenter, *Predictive Model for Simulating Trabecular Bone Remodeling in Two Dimensions*, 21st European Congress of Biomechanics, Prague, Czech Republic (July 2015)
    - Co-presenter, *Exposure to Big Endothelin-1 in Bovine Sternal Cores Mimics Aspects Mechanical Loading*, 7th World Congress of Biomechanics, Boston, MA (July 2014)

- Conference Podiums
  - Co-presenter, *Predictive Model for Simulating Human Bone Remodeling*, Computer Methods in Biomechanics and Biomedical Engineering, Montreal, Quebec (September 2015)
  - Co-presenter, *Macro-, Micro-, and Nano-level Mechanical Analysis of Injection Molded Beta Tricalcium Phosphate Bone Scaffolds*, Computer Methods in Biomechanics and Biomedical Engineering, Montreal, Quebec (September 2015)

Sectors

- Health Care & Life Sciences

Practice Areas

- Intellectual Property
- Mechanical & Electromechanical Technologies

Education

- University of Wisconsin, Madison (J.D., 2023)
- University of Wisconsin, Madison (Ph.D., 2016)
  - Mechanical engineering
- University of Wisconsin, Madison (M.S., 2012)
  - Biomedical engineering
- University of Wisconsin, Madison (B.S., 2011)
  - Biomedical engineering

Admissions

- Wisconsin
- U.S. Patent and Trademark Office