

# LINDSEY OTT, PH.D.

Director of Product Innovation, Likarda, LLC

## LINDSEY'S SPEAKING TOPICS INCLUDE:

Tissue engineering and regenerative medicine

Developing biomaterials for biomedical applications

3D cell culture and drug screening

Cell-based assays and assay development

Drug development and drug testing platforms

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## DR. LINDSEY OTT IS AN INNOVATOR, RESEARCHER AND PRESENTER

With a Ph.D. in bioengineering and an eye for innovation, Lindsey is the director of product innovation for Likarda, a world-class biotech research laboratory that works with science entrepreneurs, bio consortium members, and contract research organizations.

Lindsey received her B.S. in biological/agricultural engineering from Kansas State University, her Ph.D. in bioengineering from the University of Kansas, and her postdoctoral training at the University of Kansas Medical Center. Her graduate research focused on biomaterials and tissue engineering, specifically developing biomaterial implants to treat tracheal stenosis in pediatric patients. Lindsey designed a synthetic nanofiber scaffold that could replace rib cartilage as an option to expand the trachea for infants and toddlers with a narrowed airway.

In her role at Likarda, Lindsey expands Likarda's patented 3D cell cluster technology into other preclinical drug discovery applications like oncology, immunotherapies, and ADME-Tox. She has published work in the fields of tracheal tissue engineering, biomaterial fabrication, adult mesenchymal stem cells for musculoskeletal tissue engineering, and preclinical drug discovery using 3D hepatic organoids. Lindsey has presented at numerous conferences including the Biomedical Engineering Society, Society for Biomaterials, and the American Association of Pharmaceutical Scientists. She is also involved in K-12 science education programs by mentoring students and developing bioengineering-related curriculum for elementary school classrooms.