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Bio

PROFESSIONAL EDUCATION

- M.D., Baylor College of Medicine (2020)
- Ph.D., Baylor College of Medicine , Integrative Molecular and Biomedical Sciences (2019)
- B.A., Amherst College , Chemistry (2010)

Publications

PUBLICATIONS

- **Comparison of nucleocapsid antigen with strand-specific reverse-transcription PCR for monitoring SARS-CoV-2 infection.** *Journal of clinical virology : the official publication of the Pan American Society for Clinical Virology*
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- **Rotavirus induces intercellular calcium waves through ADP signaling.** *Science (New York, N.Y.)*
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- **Rotavirus Calcium Dysregulation Manifests as Dynamic Calcium Signaling in the Cytoplasm and Endoplasmic Reticulum.** *Scientific reports*
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- **Human intestinal enteroids with inducible neurogenin-3 expression as a novel model of gut hormone secretion.** *Cellular and molecular gastroenterology and hepatology*
Chang-Graham, A. L., Danhof, H. A., Engevik, M. A., Tomaro-Duchesneau, C., Karandikar, U. C., Estes, M. K., Versalovic, J., Britton, R. A., Hyser, J. M.
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- **Parosteal Lipoma Overlying an Osteochondroma of the Hyoid Bone: A Case Report and Literature Review.** *The Laryngoscope*
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- **Clinicopathologic Features of Adenocarcinoma Arising in Low-Grade Appendiceal Mucinous Neoplasm**
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- **Fusobacterium nucleatum Secretes Outer Membrane Vesicles and Promotes Intestinal Inflammation.** *mBio*
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- **Human-Derived Bifidobacterium dentium Modulates the Mammalian Serotonergic System and Gut-Brain Axis.** *Cellular and molecular gastroenterology and hepatology*

Engevik, M. A., Luck, B., Visuthranukul, C., Ihekweazu, F. D., Engevik, A. C., Shi, Z., Danhof, H. A., Chang-Graham, A. L., Hall, A., Endres, B. T., Haidacher, S. J., Horvath, T. D., Haag, et al
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- **Mucin-Degrading Microbes Release Monosaccharides That Chemoattract *Clostridioides difficile* and Facilitate Colonization of the Human Intestinal Mucus Layer.** *ACS infectious diseases*
Engevik, M. A., Engevik, A. C., Engevik, K. A., Auchtung, J. M., Chang-Graham, A. L., Ruan, W., Luna, R. A., Hyser, J. M., Spinler, J. K., Versalovic, J.
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- ***Bacteroides ovatus* Promotes IL-22 Production and Reduces Trinitrobenzene Sulfonic Acid-Driven Colonic Inflammation.** *The American journal of pathology*
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- **Reuterin disrupts *Clostridioides difficile* metabolism and pathogenicity through reactive oxygen species generation.** *Gut microbes*
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- **Human intestinal enteroids as a model of *Clostridioides difficile*-induced enteritis.** *American journal of physiology. Gastrointestinal and liver physiology*
Engevik, M. A., Danhof, H. A., Chang-Graham, A. L., Spinler, J. K., Engevik, K. A., Herrmann, B., Endres, B. T., Garey, K. W., Hyser, J. M., Britton, R. A., Versalovic, J.
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- **Rotavirus infection induces glycan availability to promote ileum-specific changes in the microbiome aiding rotavirus virulence.** *Gut microbes*
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- **Recovirus NS1-2 Has Viroporin Activity That Induces Aberrant Cellular Calcium Signaling To Facilitate Virus Replication.** *mSphere*
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- **Case Study of Water-Soluble Metal Containing Organic Constituents of Biomass Burning Aerosol** *ENVIRONMENTAL SCIENCE & TECHNOLOGY*
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- ***Bifidobacterium dentium*-derived γ -glutamylcysteine suppresses ER-mediated goblet cell stress and reduces TNBS-driven colonic inflammation.** *Gut microbes*
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