

Derek Holman

Casual Employee, Medicine - Med/Gastroenterology and Hepatology

Publications

PUBLICATIONS

- **Automated spatial omics landscape analysis approach reveals novel tissue architectures in ulcerative colitis.** *Scientific reports*
Holman, D. R., Rubin, S. J., Ferenc, M., Holman, E. A., Koron, A. N., Daniel, R., Boland, B. S., Nolan, G. P., Chang, J. T., Rogalla, S.
2024; 14 (1): 18934
- **Automated Spatial Omics Landscape Analysis Approach Reveals Novel Tissue Architectures in Ulcerative Colitis.** *Research square*
Rogalla, S., Holman, D., Rubin, S., Ferenc, M., Holman, E., Koron, A., Daniel, R., Boland, B., Nolan, G., Chang, J.
2024
- **Rapid assessment of changes in phage bioactivity using dynamic light scattering.** *PNAS nexus*
Dharmaraj, T., Kratochvil, M. J., Pourtois, J. D., Chen, Q., Hajfathalian, M., Hargil, A., Lin, Y. H., Evans, Z., Oromí-Bosch, A., Berry, J. D., McBride, R., Haddock, N. L., Holman, et al
2023; 2 (12): pgad406
- **Rapid assessment of changes in phage bioactivity using dynamic light scattering.** *bioRxiv : the preprint server for biology*
Dharmaraj, T., Kratochvil, M. J., Pourtois, J. D., Chen, Q., Hajfathalian, M., Hargil, A., Lin, Y. H., Evans, Z., Oromí-Bosch, A., Berry, J. D., McBride, R., Haddock, N. L., Holman, et al
2023
- **Toward implementing autonomous adaptive data acquisition for scanning hyperspectral imaging of biological systems** *APPLIED PHYSICS REVIEWS*
Holman, E. A., Krishnan, H., Holman, D. R., Holman, H. N., Sternberg, P. W.
2023; 10 (1)
- **A tissue atlas of ulcerative colitis revealing evidence of sex-dependent differences in disease-driving inflammatory cell types and resistance to TNF inhibitor therapy** *SCIENCE ADVANCES*
Mayer, A. T., Holman, D. R., Sood, A., Tandon, U., Bhate, S. S., Bodapati, S., Barlow, G. L., Chang, J., Black, S., Crenshaw, E. C., Koron, A. N., Streett, S. E., Gambhir, et al
2023; 9 (3)
- **A tissue atlas of ulcerative colitis revealing evidence of sex-dependent differences in disease-driving inflammatory cell types and resistance to TNF inhibitor therapy.** *Science advances*
Mayer, A. T., Holman, D. R., Sood, A., Tandon, U., Bhate, S. S., Bodapati, S., Barlow, G. L., Chang, J., Black, S., Crenshaw, E. C., Koron, A. N., Streett, S. E., Gambhir, et al
2023; 9 (3): eadd1166
- **Infection with *Listeria monocytogenes* alters the placental transcriptome and eicosanome.** *Placenta*
Conner, K. N., Holman, D., Lydic, T., Hardy, J. W.
2022; 128: 29-35
- **Gut Microbiome in Inflammatory Bowel Disease: Role in Pathogenesis, Dietary Modulation, and Colitis-Associated Colon Cancer.** *Microorganisms*
Gubatan, J., Boye, T. L., Temby, M., Sojwal, R. S., Holman, D. R., Sinha, S. R., Rogalla, S. R., Nielsen, O. H.
2022; 10 (7)
- **Highlighting the Undetectable - Fluorescence Molecular Imaging in Gastrointestinal Endoscopy.** *Molecular imaging and biology*
Stibbe, J. A., Hoogland, P., Achterberg, F. B., Holman, D. R., Sojwal, R. S., Burggraaf, J., Vahrmeijer, A. L., Nagengast, W. B., Rogalla, S.

2022

- **Antimicrobial peptides and the gut microbiome in inflammatory bowel disease.** *World journal of gastroenterology*
Gubatan, J., Holman, D. R., Puntasecca, C. J., Polevoi, D., Rubin, S. J., Rogalla, S.
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- **Antimicrobial peptides and the gut microbiome in inflammatory bowel disease** *WORLD JOURNAL OF GASTROENTEROLOGY*
Gubatan, J., Holman, D. R., Puntasecca, C. J., Polevoi, D., Rubin, S. J. S., Rogalla, S.
2021; 27 (43): 7402-7422
- **Preparation of Tc99m-Labeled Pseudomonas Bacteriophage without Adversely Impacting Infectivity or Biodistribution** *BIOCONJUGATE CHEMISTRY*
Holman, D., Lungren, M. P., Hardy, J., Contag, C., Blankenberg, F.
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