

## Khristian Erich Bauer-Rowe Ramos

- MD Student, expected graduation Spring 2025
- Ph.D. Student in Stem Cell Biology and Regenerative Medicine, admitted Autumn 2021
- MSTP Student

### Publications

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#### PUBLICATIONS

- **Where There Is Fat, There Is Fibrosis: Elucidating the Mechanisms of Creeping Fat-Driven Stricture Formation**  
Bauer-Rowe, K. E., Kim, A., Griffin, M., Liang, N., Foster, D., Guo, J. L., Norton, J. A., Longaker, M. T., Hyun, J. S.  
LIPPINCOTT WILLIAMS & WILKINS.2023: S365-S366
- **Investigating Dysmotility and the Expansion of Glial Cells and Interstitial Cells of Cajal in Crohn's Disease Strictures Using a Novel Surgical Mouse Model**  
Kim, A., Bauer-rowe, K. E., Griffin, M., Foster, D., Longaker, M. T., Hyun, J. S.  
LIPPINCOTT WILLIAMS & WILKINS.2023: S355
- **Where There Is Fat There Is Fibrosis: Elucidating the Mechanisms of Creeping Fat-Driven Stricture Formation**  
Bauer-Rowe, K. E., Kim, A., Griffin, M., Foster, D., Guardino, N., Guo, J. L., Talbott, H. E., Norton, J. A., Hyun, J. S., Longaker, M. T.  
LIPPINCOTT WILLIAMS & WILKINS.2022: S59-S60
- **Adipocytes the Forgotten Culprit in Skin Fibrosis: Exploring the Mechanism of Fat Driven Skin Fibrosis**  
Griffin, M., Guardino, N., Spielman, A. F., Mascharak, S., Parker, J. L., Guo, J. L., Abbas, D., Wan, D. C., Bauer-Rowe, K. E., Longaker, M. T.  
LIPPINCOTT WILLIAMS & WILKINS.2022: S199
- **Multomic analysis reveals conservation of cancer-associated fibroblast phenotypes across species and tissue of origin.** *Cancer cell*  
Foster, D. S., Januszzyk, M., Delitto, D., Yost, K. E., Griffin, M., Guo, J., Guardino, N., Delitto, A. E., Chinta, M., Burcham, A. R., Nguyen, A. T., Bauer-Rowe, K. E., Titan, et al  
2022
- **Where There Is Fat There Is Fibrosis: Elucidating the Mechanisms of Creeping Fat-Driven Stricture Formation**  
Bauer-Rowe, K. E., Griffin, M., Foster, D., desJardins-Park, H. E., Mascharak, S., Norton, J. A., Hyun, J. S., Longaker, M. T.  
ELSEVIER SCIENCE INC.2021: S65
- **Adipocytes In Dermal Wounds Undergo Conversion To Pro-fibrotic Fibroblasts That Contribute To Scar Formation**  
Guardino, N., desJardins-Park, H. E., Griffin, M., Bauer-Rowe, K. E., King, M. E., King, M. E., Mascharak, S., Longaker, M. T.  
WILEY.2021: A31
- **A Surgical Model for Investigating the Role of Creeping Fat in Intestinal Fibrosis**  
Bauer-Rowe, K. E., Foster, D., Titan, A., Chinta, M., desJardins-Park, H., Griffin, M., Longaker, M. T.  
ELSEVIER SCIENCE INC.2020: S50-S51
- **Ketone Body Signaling Mediates Intestinal Stem Cell Homeostasis and Adaptation to Diet** *CELL*  
Cheng, C., Biton, M., Haber, A. L., Gunduz, N., Eng, G., Gaynor, L. T., Tripathi, S., Calibasi-Koca, G., Rickelt, S., Butty, V. L., Moreno-Serrano, M., Iqbal, A. M., Bauer-Rowe, et al  
2019; 178 (5): 1115-+
- **Fasting Activates Fatty Acid Oxidation to Enhance Intestinal Stem Cell Function during Homeostasis and Aging.** *Cell stem cell*

Mihaylova, M. M., Cheng, C. W., Cao, A. Q., Tripathi, S. n., Mana, M. D., Bauer-Rowe, K. E., Abu-Remaileh, M. n., Clavain, L. n., Erdemir, A. n., Lewis, C. A., Freinkman, E. n., Dickey, A. S., La Spada, et al  
2018; 22 (5): 769–78.e4

● **High-fat diet enhances stemness and tumorigenicity of intestinal progenitors.** *Nature*

Beyaz, S. n., Mana, M. D., Roper, J. n., Kedrin, D. n., Saadatpour, A. n., Hong, S. J., Bauer-Rowe, K. E., Xifaras, M. E., Akkad, A. n., Arias, E. n., Pinello, L. n., Katz, Y. n., Shinagare, et al  
2016; 531 (7592): 53–58

● **mTORC1 in the Paneth cell niche couples intestinal stem-cell function to calorie intake** *NATURE*

Yilmaz, O. H., Katajisto, P., Lamming, D. W., Gueltekin, Y., Bauer-Rowe, K. E., Sengupta, S., Birsoy, K., Dursun, A., Yilmaz, V., Selig, M., Nielsen, G., Mino-Kenudson, M., Zukerberg, et al  
2012; 486 (7404): 490–U87