Stanford

Emma Monte

Life Science Research Professional 3, Genetics

Bio

INSTITUTE AFFILIATIONS

- Member (Staff), Cardiovascular Institute

Publications

PUBLICATIONS

- **Single-cell spatial mapping reveals alteration of cell type composition and tissue microenvironment during early colorectal cancer formation.** *bioRxiv : the preprint server for biology*

  Guha, T. K., Esplin, E. D., Horning, A. M., Chiu, R., Paul, K., Weimer, A. K., Becker, W. R., Laquindanum, R., Mills, M. A., Glen Esplin, D., Shen, J., Monte, E., White, et al

  2024

- **Multiomic analysis of familial adenomatous polyposis reveals molecular pathways associated with early tumorigenesis.** *Nature cancer*

  Esplin, E. D., Hanson, C., Wu, S., Horning, A. M., Barapour, N., Nevins, S. A., Jiang, L., Contrepois, K., Lee, H., Guha, T. K., Hu, Z., Laquindanum, R., Mills, et al

  2024

- **Global loss of promoter-enhancer connectivity and rebalancing of gene expression during early colorectal cancer carcinogenesis.** *Nature cancer*

  Zhu, Y., Lee, H., White, S., Weimer, A. K., Monte, E., Horning, A., Nevins, S. A., Esplin, E. D., Paul, K., Krieger, G., Shipony, Z., Chiu, R., Laquindanum, et al

  2024

- **LONG-READ RNA ISOFORM MAP OF THE HUMAN BRAIN (ISOHUB)**

  Lin, X., Hadas, Y., Hadjimichael, E., Li, L., Monte, E., Koornstra, E., Shieh, A., van Bakel, H., Snyder, M., Hallmayer, J., Wang, X., Liu, C., Urban, et al

  ELSEVIER.2024: 86

- **Deconvolution of polygenic risk score in single cells unravels cellular and molecular heterogeneity of complex human diseases.** *bioRxiv : the preprint server for biology*

  Zhang, S., Shu, H., Zhou, J., Rubin-Sigler, J., Yang, X., Liu, Y., Cooper-Knock, J., Monte, E., Zhu, C., Tu, S., Li, H., Tong, M., Ecker, et al

  2024

- **Personalized transcriptome signatures in a cardiomyopathy stem cell biobank.** *bioRxiv : the preprint server for biology*

  Monte, E., Furihata, T., Wang, G., Perea-Gil, I., Wei, E., Chaib, H., Nair, R., Guevara, J. V., Mares, R., Cheng, X., Zhuge, Y., Black, K., Serrano, et al

  2024

- **Author Correction: Advances and prospects for the Human BioMolecular Atlas Program (HuBMAP).** *Nature cell biology*

  Jain, S., Pei, L., Spraggins, J. M., Angelo, M., Carson, J. P., Gehlenborg, N., Ginty, F., Goncalves, J. P., Hagood, J. S., Hickey, J. W., Kelleher, N. L., Laurent, L. C., Lin, et al

  2024

- **Detection and analysis of complex structural variation in human genomes across populations and in brains of donors with psychiatric disorders** *Cell*

  Zhou, B., Arthur, J. G., Guo, H., et al

  2024; Published online September 30, 2024

- **Advances and prospects for the Human BioMolecular Atlas Program (HuBMAP).** *Nature cell biology*
  Jain, S., Pei, L., Spraggins, J. M., Angelo, M., Carson, J. P., Gehlenborg, N., Ginty, F., Gonçalves, J. P., Hagood, J. S., Hickey, J. W., Kelleher, N. L., Laurent, L. C., Lin, et al
  2023

- **Organization of the human intestine at single-cell resolution.** *Nature*
  Hickey, J. W., Becker, W. R., Nevins, S. A., Horning, A., Perez, A. E., Zhu, C., Zhu, B., Wei, B., Chiu, R., Chen, D. C., Cotter, D. L., Esplin, E. D., Weimer, et al
  2023; 619 (7970): 572-584

- **Serine biosynthesis as a novel therapeutic target for dilated cardiomyopathy.** *European heart journal*
  Perea-Gil, I., Seeger, T., Bruyneel, A. A., Termglinchan, V., Monte, E., Lim, E. W., Vadgama, N., Furihata, T., Gavidia, A. A., Arthur Ataam, J., Bharucha, N., Martinez-Amador, N., Ameen, et al
  2022

- **A cancer-associated RNA polymerase III identity drives robust transcription and expression of snaR-A noncoding RNA.** *Nature communications*
  Van Bortle, K., Marciano, D. P., Liu, Q., Chou, T., Lipchik, A. M., Gollapudi, S., Geller, B. S., Monte, E., Kamakaka, R. T., Snyder, M. P.
  2022; 13 (1): 3007

- **Epigenomic Disruption of Cardiovascular Care What It Will Take** *CIRCULATION RESEARCH*
  Monte, E., Fischer, M. A., Vondriska, T. M.
  2017; 120 (11): 1692–93