

Belén Rivero Gutiérrez

Basic Life Research Scientist, Pathology Sponsored Projects #2

Publications

PUBLICATIONS

- **Habitual nappers and non-nappers differ in circadian rhythms of LIPE expression in abdominal adipose tissue explants.** *Frontiers in endocrinology*
Zambrano, C., Kulyte, A., Lujan, J., Rivero-Gutierrez, B., Sanchez de Medina, F., Martinez-Augustin, O., Ryden, M., Scheer, F. A., Garaulet, M.
2023; 14: 1166961
- **Molecular classification and biomarkers of clinical outcome in breast ductal carcinoma in situ: Analysis of TBCRC 038 and RAHBT cohorts.** *Cancer cell*
Strand, S. H., Rivero-Gutierrez, B., Houlahan, K. E., Seoane, J. A., King, L. M., Risom, T., Simpson, L. A., Vennam, S., Khan, A., Cisneros, L., Hardman, T., Harmon, B., Couch, et al
2022
- **Transition to invasive breast cancer is associated with progressive changes in the structure and composition of tumor stroma.** *Cell*
Risom, T., Glass, D. R., Averbukh, I., Liu, C. C., Baranski, A., Kagel, A., McCaffrey, E. F., Greenwald, N. F., Rivero-Gutiérrez, B., Strand, S. H., Varma, S., Kong, A., Keren, et al
2022; 185 (2): 299-310.e18
- **Leptin-resistant Zucker rats with trinitrobenzene sulfonic acid colitis present a reduced inflammatory response but enhanced epithelial damage** *AMERICAN JOURNAL OF PHYSIOLOGY-GASTROINTESTINAL AND LIVER PHYSIOLOGY*
Rivero-Gutierrez, B., Arredondo-Amador, M., Gamez-Belmonte, R., Sanchez de Medina, F., Martinez-Augustin, O.
2021; 321 (2): G157-G170
- **Immune cell topography predicts response to PD-1 blockade in cutaneous T cell lymphoma.** *Nature communications*
Phillips, D., Matusiak, M., Gutierrez, B. R., Bhate, S. S., Barlow, G. L., Jiang, S., Demeter, J., Smythe, K. S., Pierce, R. H., Fling, S. P., Ramchurren, N., Cheever, M. A., Goltsev, et al
2021; 12 (1): 6726
- **Exogenous leptin reinforces intestinal barrier function and protects from colitis** *PHARMACOLOGICAL RESEARCH*
Rivero-Gutierrez, B., Aranda, C. J., Ocon, B., Arredondo, M., Martinez-Augustin, O., Sanchez de Medina, F.
2019; 147: 104356
- **Deletion of the glucagon receptor gene before and after experimental diabetes reveals differential protection from hyperglycemia** *MOLECULAR METABOLISM*
Rivero-Gutierrez, B., Haller, A., Holland, J., Yates, E., Khriana, R., Habegger, K., Dimarchi, R., D'Alessio, D., Perez-Tilve, D.
2018; 17: 28–38
- **A synbiotic composed of Lactobacillus fermentum CECT5716 and FOS prevents the development of fatty acid liver and glycemic alterations in rats fed a high fructose diet associated with changes in the microbiota** *MOLECULAR NUTRITION & FOOD RESEARCH*
Rivero-Gutierrez, B., Gamez-Belmonte, R., Dolores Suarez, M., Luis Lavin, J., Maria Aransay, A., Olivares, M., Martinez-Augustin, O., Sanchez de Medina, F., Zarzuelo, A.
2017; 61 (8)
- **The Circadian Clock Regulates Adipogenesis by a Per3 Crosstalk Pathway to Klf15.** *Cell reports*
Aggarwal, A. n., Costa, M. J., Rivero-Gutiérrez, B. n., Ji, L. n., Morgan, S. L., Feldman, B. J.
2017; 21 (9): 2367–75
- **Human adipose tissue expresses intrinsic circadian rhythm in insulin sensitivity** *FASEB JOURNAL*
Carrasco-Benso, M. P., Rivero-Gutierrez, B., Lopez-Minguez, J., Anzola, A., Diez-Noguera, A., Madrid, J. A., Lujan, J. A., Martinez-Augustin, O., Scheer, F. L., Garaulet, M.

2016; 30 (9): 3117-3123

- **Diet-Induced Obese Mice Retain Endogenous Leptin Action** *CELL METABOLISM*
Ottaway, N., Mahbod, P., Rivero, B., Norman, L., Gertler, A., D'Alessio, D. A., Perez-Tilve, D.
2015; 21 (6): 877-882
- **Stain-free detection as loading control alternative to Ponceau and housekeeping protein immunodetection in Western blotting** *ANALYTICAL BIOCHEMISTRY*
Rivero-Gutierrez, B., Anzola, A., Martinez-Augustin, O., de Medina, F.
2014; 467: 1-3
- **Food Derived Bioactive Peptides and Intestinal Barrier Function** *INTERNATIONAL JOURNAL OF MOLECULAR SCIENCES*
Martinez-Augustin, O., Rivero-Gutierrez, B., Mascaraque, C., Sanchez de Medina, F.
2014; 15 (12): 22857-22873