




## Fernando Jose Garcia Marques

Postdoctoral Scholar, Radiology

 Curriculum Vitae available Online

### Bio

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#### PROFESSIONAL EDUCATION

- Doctor of Philosophy, Universidad Autonoma De Madrid (2017)
- Master of Science, Universidad Autonoma De Madrid (2011)
- Bachelor of Science, Unlisted School (2010)

#### LINKS

- Researchgate: [https://www.researchgate.net/profile/Fernando\\_Garcia-Marques](https://www.researchgate.net/profile/Fernando_Garcia-Marques)

### Publications

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#### PUBLICATIONS

- **SU086, an inhibitor of HSP90, impairs glycolysis and represents a treatment strategy for advanced prostate cancer.** *Cell reports. Medicine*  
Rice, M. A., Kumar, V., Tailor, D., Garcia-Marques, F. J., Hsu, E., Liu, S., Bermudez, A., Kanchustambham, V., Shankar, V., Inde, Z., Alabi, B. R., Muruganatham, A., Shen, et al  
2022; 3 (2): 100502
- **Protein signatures to distinguish aggressive from indolent prostate cancer.** *The Prostate*  
Garcia-Marques, F., Liu, S., Totten, S. M., Bermudez, A., Tanimoto, C., Hsu, E. C., Nolley, R., Hembree, A., Stoyanova, T., Brooks, J. D., Pitteri, S. J.  
2022
- **Engineered Cell-Derived Vesicles Displaying Targeting Peptide and Functionalized with Nanocarriers for Therapeutic microRNA Delivery to Triple-Negative Breast Cancer in Mice.** *Advanced healthcare materials*  
Bose, R. J., Kumar, U. S., Garcia-Marques, F., Zeng, Y., Habte, F., McCarthy, J. R., Pitteri, S., Massoud, T. F., Paulmurugan, R.  
2021: e2101387
- **Multi-omics analysis of spatially distinct stromal cells reveals tumor-induced O-glycosylation of the CDK4-pRB axis in fibroblasts at the invasive tumor edge.** *Cancer research*  
Bouchard, G., Garcia-Marques, F. J., Karacosta, L. G., Zhang, W., Bermudez, A., Riley, N. M., Varma, S., Mehl, L. C., Benson, J. A., Shrager, J. B., Bertozzi, C. R., Pitteri, S. J., Giaccia, et al  
2021
- **Identifying a novel glycolytic inhibitor for treatment of aggressive prostate cancer.**  
Stoyanova, T., Rice, M. A., Kumar, V., Tailor, D., Garcia-Marques, F., Bermudez, A., Kanchustambham, V., Shankar, V., Inde, Z., Pandrala, M., Nolley, R., Ghoochani, A., Liu, et al  
AMER ASSOC CANCER RESEARCH.2021
- **Y box binding protein 1 inhibition as a targeted therapy for ovarian cancer.** *Cell chemical biology*  
Tailor, D., Resendez, A., Garcia-Marques, F. J., Pandrala, M., Going, C. C., Bermudez, A., Kumar, V., Rafat, M., Nambiar, D. K., Honkala, A., Le, Q., Sledge, G. W., Graves, et al  
2021

- **Discovery of CASP8 as a potential biomarker for high-risk prostate cancer through a high-multiplex immunoassay.** *Scientific reports*  
Liu, S. n., Garcia-Marques, F. n., Zhang, C. A., Lee, J. J., Nolley, R. n., Shen, M. n., Hsu, E. C., Aslan, M. n., Koul, K. n., Pitteri, S. J., Brooks, J. D., Stoyanova, T. n.  
2021; 11 (1): 7612
- **MCM2-7 complex is a novel druggable target for neuroendocrine prostate cancer.** *Scientific reports*  
Hsu, E. C., Shen, M., Aslan, M., Liu, S., Kumar, M., Garcia-Marques, F., Nguyen, H. M., Nolley, R., Pitteri, S. J., Corey, E., Brooks, J. D., Stoyanova, T.  
2021; 11 (1): 13305
- **Oncogene-mediated metabolic gene signature predicts breast cancer outcome.** *NPJ breast cancer*  
Aslan, M., Hsu, E. C., Garcia-Marques, F. J., Bermudez, A., Liu, S., Shen, M., West, M., Zhang, C. A., Rice, M. A., Brooks, J. D., West, R., Pitteri, S. J., Gy#rffy, et al  
2021; 7 (1): 141
- **Plectin is a regulator of prostate cancer growth and metastasis.** *Oncogene*  
Buckup, M., Rice, M. A., Hsu, E., Garcia-Marques, F., Liu, S., Aslan, M., Bermudez, A., Huang, J., Pitteri, S. J., Stoyanova, T.  
2020
- **A Network of Macrophages Supports Mitochondrial Homeostasis in the Heart** *CELL*  
Nicolas-Avila, J. A., Lechuga-Vieco, A. V., Esteban-Martinez, L., Sanchez-Diaz, M., Diaz-Garcia, E., Santiago, D. J., Rubio-Ponce, A., Li, J., Balachander, A., Quintana, J. A., Martinez-de-Mena, R., Castejon-Vega, B., Pun-Garcia, et al  
2020; 183 (1): 94+
- **Functional role of respiratory supercomplexes in mice: SCAF1 relevance and segmentation of the Q(pool)** *SCIENCE ADVANCES*  
Calvo, E., Cogliati, S., Hermansanz-Agustin, P., Loureiro-Lopez, M., Guaras, A., Casuso, R. A., Garcia-Marques, F., Acin-Perez, R., Marti-Mateos, Y., Silla-Castro, J. C., Carro-Alvarellos, M., Huertas, J. R., Vazquez, et al  
2020; 6 (26): eaba7509
- **Complement C5 Protein as a Marker of Subclinical Atherosclerosis** *JOURNAL OF THE AMERICAN COLLEGE OF CARDIOLOGY*  
Martinez-Lopez, D., Roldan-Montero, R., Garcia-Marques, F., Nunez, E., Jorge, I., Camafeita, E., Minguez, P., Rodriguez de Cordoba, S., Lopez-Melgar, B., Lara-Pezzi, E., Fernandez-Ortiz, A., Ibanez, B., Manuel Valdivielso, et al  
2020; 75 (16): 1926-41
- **Trop2 is a driver of metastatic prostate cancer with neuroendocrine phenotype via PARP1.** *Proceedings of the National Academy of Sciences of the United States of America*  
Hsu, E. C., Rice, M. A., Bermudez, A. n., Marques, F. J., Aslan, M. n., Liu, S. n., Ghoochani, A. n., Zhang, C. A., Chen, Y. S., Zlitni, A. n., Kumar, S. n., Nolley, R. n., Habte, et al  
2020
- **Reconstructed Apoptotic Bodies as Targeted "Nano Decoys" to Treat Intracellular Bacterial Infections within Macrophages and Cancer Cells.** *ACS nano*  
Bose, R. J., Tharmalingam, N. n., Garcia Marques, F. J., Sukumar, U. K., Natarajan, A. n., Zeng, Y. n., Robinson, E. n., Bermudez, A. n., Chang, E. n., Habte, F. n., Pitteri, S. J., McCarthy, J. R., Gambhir, et al  
2020
- **Genomic analysis of Vascular Invasion in Hepatocellular Carcinoma (HCC) Reveals Molecular Drivers and Predictive Biomarkers.** *Hepatology (Baltimore, Md.)*  
Krishnan, M. S., Rajan Kd, A. n., Park, J. n., Arjunan, V. n., Garcia Marques, F. J., Bermudez, A. n., Girvan, O. A., Hoang, N. S., Yin, J. n., Nguyen, M. H., Kothary, N. n., Pitteri, S. n., Felsher, et al  
2020
- **Discovery of PTN as a serum-based biomarker of pro-metastatic prostate cancer.** *British journal of cancer*  
Liu, S. n., Shen, M. n., Hsu, E. C., Zhang, C. A., Garcia-Marques, F. n., Nolley, R. n., Koul, K. n., Rice, M. A., Aslan, M. n., Pitteri, S. J., Massie, C. n., George, A. n., Brooks, et al  
2020
- **NOTCH Activation Promotes Valve Formation by Regulating the Endocardial Secretome.** *Molecular & cellular proteomics : MCP*  
Torregrosa-Carrión, R., Luna-Zurita, L., García-Marqués, F., D'Amato, G., Piñeiro-Sabarís, R., Bonzón-Kulichenko, E., Vázquez, J., de la Pompa, J. L.  
2019; 18 (9): 1782-1795
- **APOA1 oxidation is associated to dysfunctional high-density lipoproteins in human abdominal aortic aneurysm** *EBIOMEDICINE*

Martinez-Lopez, D., Camafeita, E., Cedo, L., Roldan-Montero, R., Jorge, I., Garcia-Marques, F., Gomez-Serrano, M., Bonzon-Kulichenko, E., Blanco-Vaca, F., Miguel Blanco-Colio, L., Michel, J., Carles Escola-Gil, J., Vazquez, et al  
2019; 43: 43–53

- **SanXoT: a modular and versatile package for the quantitative analysis of high-throughput proteomics experiments** *BIOINFORMATICS*  
Trevisan-Herraz, M., Bagwan, N., Garcia-Marques, F., Manuel Rodriguez, J., Jorge, I., Ezkurdia, I., Bonzon-Kulichenko, E., Vazquez, J.  
2019; 35 (9): 1594–96