Stanford



Sharon Pitteri

Professor (Research) of Radiology (Diagnostic Sciences Laboratory)

CONTACT INFORMATION

- **Alternate Contact**

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  Email rheascott@stanford.edu

  Tel 650-721-3306

Bio

ACADEMIC APPOINTMENTS

- Professor-Research, Radiology
- Member, Bio-X
- Member, Stanford Cancer Institute
- Member, Wu Tsai Neurosciences Institute

ADMINISTRATIVE APPOINTMENTS

- Division Chief, Diagnostic Sciences Laboratory, Department of Radiology, Stanford University, (2024- present)
- Associate Chair - Laboratory Sciences, Department of Radiology, Stanford University, (2023- present)
- Faculty Lead, Stanford University School of Medicine Propel Postdoctoral Scholars Program, (2022- present)
- Director of Research Operations, Department of Radiology, Stanford University, (2020-2023)

HONORS AND AWARDS

- Distinguished Investigator Award, The Academy for Radiology and Biomedical Imaging Research (2021)
- Breast Cancer Research Program Breakthrough Award, Department of Defense - Congressionally Directed Medical Research Programs (2015)
- Innovative Development and Exploratory Award, California Breast Cancer Research Program (2013)
- Research Award, American Society for Mass Spectrometry (2012)
- McCormick Faculty Award, Stanford University School of Medicine (2012)
- Developmental Cancer Research Award, Stanford Cancer Institute (2011, 2013)

BOARDS, ADVISORY COMMITTEES, PROFESSIONAL ORGANIZATIONS

- Chair, California Breast Cancer Research Council (2023 - 2024)
- Treasurer, American Society for Mass Spectrometry Board of Directors (2022 - 2024)
- Vice Chair, California Breast Cancer Research Council (2022 - 2023)
- Member, NIH Study Section - Enabling Bioanalytical and Imaging Technologies (EBIT) (2021 - 2025)

- Scientific Advisory Board Member, OHSU Knight Cancer Institute Cancer Early Detection Advanced Research Center (CEDAR) (2019 - present)
- Member, California Breast Cancer Research Council (2019 - 2025)

PROFESSIONAL EDUCATION

- Postdoctoral Research, Fred Hutchinson Cancer Research Center (2010)
- PhD, Purdue University , Chemistry (2005)
- BA, Carleton College , Chemistry (2001)

LINKS

- Pitteri Lab: http://med.stanford.edu/pitterilab.html

Research & Scholarship

CURRENT RESEARCH AND SCHOLARLY INTERESTS

The Pitteri laboratory is focused on the discovery and validation of proteins that can be used as molecular indicators of risk, diagnosis, progression, and recurrence of cancer. Proteomic technologies, predominantly mass spectrometry, are used to identify proteins in the blood that are differentially regulated and/or post-translationally modified with disease state. Using human plasma samples, tumor tissue, cancer cell lines, and genetically engineered mouse models, the origins of these proteins are being investigated. A major goal of this research is to define novel molecular signatures for breast and ovarian cancers, including particular sub-types of these diseases. This laboratory is also focused on the identification of proteins with expression restricted to the surface of cancer cells which can be used as novel targets for molecular imaging technologies.

Teaching

COURSES

2026-27

- Mass Spectrometry and Proteomics: Opening the Black Box: BIOS 227 (Win)

2025-26

- Mass Spectrometry and Proteomics: Opening the Black Box: BIOS 227 (Win)

2024-25

- Mass Spectrometry and Proteomics: Opening the Black Box: BIOS 227 (Win)
- Translational Proteomics Methods: MED 212B (Win)

2023-24

- Mass Spectrometry and Proteomics: Opening the Black Box: BIOS 227 (Win)
- TR Technologies B - (Translational Proteomics): MED 212B (Win)

STANFORD ADVISEES

Doctoral Dissertation Reader (AC)

Martin Acosta Parra, Luna Hwang, Jason Saunders

Postdoctoral Faculty Sponsor

Katie Kapp, Ke Leow

Doctoral Dissertation Advisor (AC)

Claudia Leonard

Postdoctoral Research Mentor

Samantha Reyes

GRADUATE AND FELLOWSHIP PROGRAM AFFILIATIONS

- Cancer Biology (PhD Program)
- Stanford Cancer Imaging Training Program (SCIT) (Fellowship Program)

Publications

PUBLICATIONS

- **Deep Intact Glycoproteomic Analysis Reveals Multi-Level Glycosylation Heterogeneity in Renal Tumors.** *Molecular & cellular proteomics : MCP*
  Garcia-Marques, F. J., Kapp, K. L., Bermudez, A., Wen, R. M., Edward W Marti, G., Rubin, J. B., Zhao, H., Brooks, J. D., Pitteri, S. J.
  2026: 101685

- **Quantifying Protein Temporal Changes with Mass Spectrometry in Plasma Samples from Breast Cancer Patients Undergoing Radiotherapy.** *Journal of the American Society for Mass Spectrometry*
  Kapp, K. L., Going, C. C., Garcia-Marques, F. J., Leow, K., Maltos, A., Bermudez, A., Vilalta, M., Rafat, M., Jenkins, M., Chen, J. J., Mallick, P., Horst, K., Graves, et al
  2026

- **Restored clearance of senescent neutrophils by tissue-resident macrophages limits organ aging.** *Science (New York, N.Y.)*
  Tan, Y. J., Conley, T. E., Yao, F., García-Marqués, F. J., Akinyemi, D. E., Dinh, V. V., Wang, Q., Bermudez, A., Kim, J., Belk, J. A., Soehnlein, O., Pitteri, S. J., Andreasson, et al
  2026; 393 (6808): eaea3075

- **The oncogenic ΔNp73 isoform contributes to aggressiveness in acute promyelocytic leukemia.** *Haematologica*
  Rojas, C. A., Pereira-Martins, D. A., Thomé, C. H., Ferreira, G. A., Bianco, T. M., Weinhäuser, I., Gouvêa, A. S., Scheucher, P. S., Silva, C. L., Huls, G., Bermudez, A., Garcia, F., Pitteri, et al
  2026

- **Ribo-Tweezer: Rapid removal of ribosomal proteins reveals additional layers of post-transcriptional gene regulation.** *Molecular cell*
  Chen, Y., Cheng, C. P., Cates, K., Marinov, G. K., Lantz, T. C., Yang, H., Liu, I., Genuth, N. R., Andronescu, C., Hung, V., Bermudez, A., Rothschild, D., Georgeson, et al
  2026

- **YB-1 inhibition suppresses osteosarcoma growth and reverses tumor immunosuppression.** *Molecular cancer therapeutics*
  Malhotra, S. V., Stefan, K., Lee, J. M., Tailor, D., Dheeraj, A., Rolig, A. S., Khou, S., Grau, B. W., Garcia-Marques, F. J., Bermudez, A., Davis, L. E., Pitteri, S. J.
  2026

- **YB-1 small-molecule inhibitor improves chemotherapy success in treating high-grade serous ovarian carcinoma**
  Tailor, D., Garcia-Marques, F. J., Bermudez, A., Li, W., Rolig, A., Tsai, C., Liu, T., Pejovic, T., Pitteri, S., Malhotra, S. V.
  AMER ASSOC CANCER RESEARCH.2026

- **Identification of serum protein biomarkers for clear cell renal cell carcinoma using patient-derived xenografts.** *The Journal of clinical investigation*
  Zhang, D., Chiu, C., Garcia Marques, F. J., Bermudez, A., Hoerner, C. R., Hadi, N., Wang, E., Metzner, T. J., Trabanino, L., Leppert, J. T., Zhao, H., Tibshirani, R., Fan, et al
  2026; 136 (1)

- **Non-orthosteric inhibition of enolase 1 impedes growth of triple-negative breast cancer.** *Cell reports. Medicine*
  Tailor, D., Garcia-Marques, F. J., Bermudez, A., Rolig, A. S., Grau, B., Dheeraj, A., Nambiar, D. K., Li, W., Stefan, K., Campbell, S., Pitteri, S. J., Malhotra, S. V.
  2025: 102451

- **CRISPR screen reveal that FXYD5 is a potential ligand for Siglec-7**
  Wen, R., Marti, G. W., Qiu, Z., Lam, N., Peterson, E. E., Fang, Z., Lyu, A., Zhao, H., Peehl, D. M., Fong, L., Pitteri, S., Brooks, J. D.

OXFORD UNIV PRESS.2025

- **FTO inhibition attenuates renal fibrosis by downregulating ferroptosis activator ACSL4 and profibrotic factor TGFBI.** *iScience*
  Zhang, D., Chiu, C. L., Wen, R., Qiu, Z., Garcia-Marques, F., Bermudez, A., Zhao, M., Zhao, H., Dixon, S. J., Peehl, D. M., Rankin, E. B., Pitteri, S., Brooks, et al
  2025; 28 (10): 113515

- **A microneedle device for rapid dermal interstitial fluid sampling.** *Science advances*
  Hung, A. H., Kamat, N. U., Bermudez, A., Boczek, S. M., Garcia-Marqués, F. J., Tan, Y. L., Hwang, J. L., Sinawang, P. D., Ilyin, D., Jacobson, G. B., Demirci, U., Poplack, S. P., Pitteri, et al
  2025; 11 (39): eadx5492

- **Extracellular Domain Shedding of TROP2 Activates EGFR Signaling to Drive Prostate Cancer Metastasis.** *Cancer research*
  Liu, S., Hsu, E. C., Aslan, M., Garcia-Marques, F., Shen, M., Hartono, A. B., Solano, F., Le, K., Hwang, H., Lee, C. S., Bermudez, A., Nolley, R., Peehl, et al
  2025

- **Novel Aza-podophyllotoxin Derivative Inhibits Growth of Triple-Negative Breast Cancer.** *ACS omega*
  Dheeraj, A., Marques, F. J., Chennai, B., Tailor, D., Bermudez, A., Grau, B., Haley, C. B., Pitteri, S., Malhotra, S. V.
  2025; 10 (33): 37004-37012

- **Integrated N-Glycoproteomic and Phosphoproteomic Profiling Reveals Glycosylation Dysregulation in Relapse-Prone B-ALL Cells**
  Wang, A., Garcia-Marques, F., Liu, Y., Bermudez, A., Merchant, M., Pitteri, S.
  ELSEVIER.2025

- **Integrated Plasma and Tumor Proteomics of Nasopharyngeal Carcinoma in a Moroccan Cohort.** *International journal of molecular sciences*
  Reffai, A., Hori, M., Adusumilli, R., Bermudez, A., Haddad, H., Tawfiq, N., Pitteri, S., Bennani Mechita, M., Mallick, P.
  2025; 26 (12)

- **Identification of Molecular Subtypes of Clear-Cell Renal Cell Carcinoma in Patient-Derived Xenografts Using Multi-Omics.** *Cancers*
  Qiu, Z., Zhang, D., Garcia-Marques, F. J., Bermudez, A., Zhao, H., Peehl, D. M., Pitteri, S. J., Brooks, J. D.
  2025; 17 (8)

- **The olfactory receptor OR51E2 regulates prostate cancer aggressiveness and modulates STAT3 in prostate cancer cells and in xenograft tumors.** *BMC cancer*
  Thomsen, M. T., Busk, M., Zhang, D., Chiu, C. L., Zhao, H., Garcia-Marques, F. J., Bermudez, A., Pitteri, S., Borre, M., Brooks, J. D., Nyengaard, J. R.
  2025; 25 (1): 535

- **A subcellular map of translational machinery composition and regulation at the single-molecule level.** *Science (New York, N.Y.)*
  Zhang, Z., Xu, A., Bai, Y., Chen, Y., Cates, K., Kerr, C., Bermudez, A., Susanto, T. T., Wysong, K., García Marqués, F. J., Nolan, G. P., Pitteri, S., Barna, et al
  2025; 387 (6738): eadn2623

- **Intact Glycopeptide Analysis of Human Prostate Tissue Reveals Site-Specific Heterogeneity of Protein Glycosylation in Prostate Cancer.** *Glycobiology*
  Kapp, K. L., Garcia-Marques, F., Totten, S. M., Bermudez, A., Tanimoto, C., Brooks, J. D., Pitteri, S. J.
  2025

- **Sialylated glycoproteins suppress immune cell killing by binding to Siglec-7 and Siglec-9 in prostate cancer.** *The Journal of clinical investigation*
  Wen, R. M., Stark, J. C., Marti, G. E., Fan, Z., Lyu, A., Garcia Marques, F. J., Zhang, X., Riley, N. M., Totten, S. M., Bermudez, A., Nolley, R., Zhao, H., Fong, et al
  2024

- **Ubiquitin C-terminal hydrolase L1 is a regulator of tumor growth and metastasis in double-negative prostate cancer.** *American journal of clinical and experimental urology*
  Liu, S., Garcia-Marques, F. J., Shen, M., Bermudez, A., Pitteri, S. J., Stoyanova, T.
  2024; 12 (5): 306-322

- **Identification of a 5-gene signature panel for the prediction of prostate cancer progression.** *British journal of cancer*

Shen, M., García-Marqués, F., Muruganantham, A., Liu, S., White, J. R., Bermudez, A., Rice, M. A., Thompson, K., Chen, C. L., Hung, C. N., Zhang, Z., Huang, T. H., Liss, et al

2024

- **A Proteomic Analysis of Nasopharyngeal Carcinoma in a Moroccan Subpopulation.** *Cancers*

  Reffai, A., Hori, M., Adusumilli, R., Bermudez, A., Bouzoubaa, A., Pitteri, S., Bennani Mechita, M., Mallick, P.

  2024; 16 (19)

- **Establishing and characterizing the molecular profiles, cellular features, and clinical utility of a patient-derived xenograft model using benign prostatic tissues.** *Laboratory investigation; a journal of technical methods and pathology*

  Polasko, A. L., Zhang, D., Ramraj, A., Chiu, C. L., Garcia-Marques, F. J., Bermudez, A., Kapp, K., Peterson, E., Qiu, Z., Pollack, A. S., Zhao, H., Pollack, J. R., Pitteri, et al

  2024: 102129

- **Inhibition of protein translational machinery in triple-negative breast cancer as a promising therapeutic strategy.** *Cell reports. Medicine*

  Dheeraj, A., Garcia Marques, F. J., Tailor, D., Bermudez, A., Resendez, A., Pandrala, M., Grau, B., Kumar, P., Haley, C. B., Honkala, A., Kujur, P., Jeffrey, S. S., Pitteri, et al

  2024: 101552

- **Exploiting Siglec-7/9 immune checkpoints in prostate cancer**

  Wen, R., Marti, G., Stark, J., Marques, F., Bermudez, A., Riley, N., Zhang, X., Zhao, H., Engleman, E., Bertozzi, C., Pitteri, S., Brooks, J.

  AMER ASSOC IMMUNOLOGISTS.2024

- **AZGP1 deficiency promotes angiogenesis in prostate cancer.** *Journal of translational medicine*

  Wen, R. M., Qiu, Z., Marti, G. E., Peterson, E. E., Marques, F. J., Bermudez, A., Wei, Y., Nolley, R., Lam, N., Polasko, A. L., Chiu, C. L., Zhang, D., Cho, et al

  2024; 22 (1): 383

- **Identification and characterization of intact glycopeptides in human urine.** *Scientific reports*

  Garcia-Marques, F., Fuller, K., Bermudez, A., Shamsher, N., Zhao, H., Brooks, J. D., Flory, M. R., Pitteri, S. J.

  2024; 14 (1): 3716

- **UCHL1 is a potential molecular indicator and therapeutic target for neuroendocrine carcinomas.** *Cell reports. Medicine*

  Liu, S., Chai, T., Garcia-Marques, F., Yin, Q., Hsu, E. C., Shen, M., Shaw Toland, A. M., Bermudez, A., Hartono, A. B., Massey, C. F., Lee, C. S., Zheng, L., Baron, et al

  2024: 101381

- **Developing and Applying Intact Glycoproteomics Analysis Workflows for Cancer**

  Pitteri, S.

  OXFORD UNIV PRESS INC.2023: 1068

- **Guanylate-binding protein 1 modulates proteasomal machinery in ovarian cancer.** *iScience*

  Tailor, D., Garcia-Marques, F. J., Bermudez, A., Pitteri, S. J., Malhotra, S. V.

  2023; 26 (11): 108292

- **A drug-like molecule engages nuclear hormone receptor DAF-12/FXR to regulate mitophagy and extend lifespan.** *Nature aging*

  Chamoli, M., Rane, A., Foulger, A., Chinta, S. J., Shahmirzadi, A. A., Kumsta, C., Nambiar, D. K., Hall, D., Holcom, A., Angeli, S., Schmidt, M., Pitteri, S., Hansen, et al

  2023

- **The role of GCNT1 mediated O-glycosylation in aggressive prostate cancer.** *Scientific reports*

  Hodgson, K., Orozco-Moreno, M., Scott, E., Garnham, R., Livermore, K., Thomas, H., Zhou, Y., He, J., Bermudez, A., Garcia Marques, F. J., Bastian, K., Hysenaj, G., Archer Goode, et al

  2023; 13 (1): 17031

- **Measuring the multifaceted roles of mucin-domain glycoproteins in cancer.** *Advances in cancer research*

  Riley, N. M., Wen, R. M., Bertozzi, C. R., Brooks, J. D., Pitteri, S. J.

  2023; 157: 83-121

- **ST6GAL1-mediated aberrant sialylation promotes prostate cancer progression.** *The Journal of pathology*

Scott, E., Archer Goode, E., Garnham, R., Hodgson, K., Orozco-Moreno, M., Turner, H., Livermore, K., Putri Nangkana, K., Frame, F. M., Bermudez, A., Jose Garcia Marques, F., McClurg, U. L., Wilson, et al
2023

- **Lineage plasticity in SCLC generates non-neuroendocrine cells primed for vasculogenic mimicry.** *Journal of thoracic oncology : official publication of the International Association for the Study of Lung Cancer*
  Pearsall, S. M., Williamson, S. C., Humphrey, S., Hughes, E., Morgan, D., García Marqués, F. J., Awanis, G., Carroll, R., Burks, L., Shue, Y. T., Bermudez, A., Frese, K. K., Galvin, et al
  2023

- **Proteomics analysis of urine and catheter-associated biofilms in spinal cord injury patients.** *American journal of clinical and experimental urology*
  Garcia-Marques, F. J., Zakrasek, E., Bermudez, A., Polasko, A. L., Liu, S., Stoyanova, T., Brooks, J. D., Lavelle, J., Pitteri, S. J.
  2023; 11 (3): 206-219

- **Siglec-7/9 are novel immune checkpoints for prostate cancer**
  Wen, R., Stark, J. C., Marti, G., Garcia-Marques, F., Zhao, H., Nolley, R., Bertozzi, C. R., Pitteri, S. J., Brooks, J. D.
  AMER ASSOC IMMUNOLOGISTS.2023

- **Upregulation of GALNT7 in prostate cancer modifies O-glycosylation and promotes tumour growth.** *Oncogene*
  Scott, E., Hodgson, K., Calle, B., Turner, H., Cheung, K., Bermudez, A., Marques, F. J., Pye, H., Yo, E. C., Islam, K., Oo, H. Z., McClurg, U. L., Wilson, et al
  2023

- **Integrated transcriptome-proteome analyses of human stem cells reveal source-dependent differences in their regenerative signature.** *Stem cell reports*
  Ganguly, A., Swaminathan, G., Garcia-Marques, F., Regmi, S., Yarani, R., Primavera, R., Chetty, S., Bermudez, A., Pitteri, S. J., Thakor, A. S.
  2022

- **Siglec-7/9-sialic acid interactions inhibit T cell immune response in prostate cancer**
  Wen, R. M., Stark, J., Garcia-Marques, F., Nolley, H., Bertozzi, C. R., Pitteri, S. J., Brooks, J. D.
  AMER ASSOC CANCER RESEARCH.2022

- **Inhibiting ribosomal proteins with a small molecule: Therapeutic strategy for triple negative breast cancer**
  Dheeraj, A., Tailor, D., Resendez, A., Marques, F., Bermudez, A., Pitteri, S., Malhotra, S.
  AMER ASSOC CANCER RESEARCH.2022

- **Engineering genetically-encoded synthetic biomarkers for breath-based cancer detection**
  Vermesh, O., D'Souza, A., Alam, I., Wardak, M., McLaughlin, T., El Rami, F., Sathirachinda, A., Bell, J., Pitteri, S., James, M., Hori, S., Gross, E., Gambhir, et al
  AMER ASSOC CANCER RESEARCH.2022

- **Inhibition of triple negative breast cancer metastasis via Enolase-1 modulation**
  Tailor, D., Dheeraj, A., Garcia-Marques, F., Pandrala, M., Bermudez, A., Pitteri, S., Malhotra, S. V.
  AMER ASSOC CANCER RESEARCH.2022

- **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., Muruganantham, 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

- **Discovery of indole-modified aptamers for highly specific recognition of protein glycoforms.** *Nature communications*

Yoshikawa, A. M., Rangel, A., Feagin, T., Chun, E. M., Wan, L., Li, A., Moekl, L., Wu, D., Eisenstein, M., Pitteri, S., Soh, H. T.
2021; 12 (1): 7106

- **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

- **COMBINATION OF MAPK PATHWAY INHIBITORS AND IMMUNE CHECKPOINT BLOCKADE IN BRAF-MUTANT HIGH-GRADE GLIOMA**
  Park, J., Grossauer, S., Wang, W., Daynac, M., Pitteri, S., Monje, M., Grant, G., Petritsch, C.
  OXFORD UNIV PRESS INC.2021: 172-173

- **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

- **Trop2 regulates prostate cancer growth and metastasis through distinct molecular mechanisms.**
  Stoyanova, T., Hsu, E., Liu, S., Marques, F., Bermudez, A., Aslan, M., Shen, M., Pitteri, S., Brooks, J. D.
  AMER ASSOC CANCER RESEARCH.2021

- **Lineage plasticity in small cell lung cancer generates non- neuroendocrine cells primed for vascular mimicry.**
  Pearsall, S. M., Williamson, S. C., Marques, F., Humphrey, S., Hughes, E., Cannell, I., Frese, K. K., Galvin, M., Carter, M., Priest, L., Kerr, A., Humphries, M. J., Humphries, et al
  AMER ASSOC CANCER RESEARCH.2021

- **A novel oncogene mediated metabolic gene signature predicts breast cancer outcome.**
  Aslan, M., Hsu, E., Marques, F., Bermudez, A., Shen, M., Rice, M. A., Liu, S., West, R., Pitteri, S. J., Gyorffy, B., Stoyanova, T.
  AMER ASSOC CANCER RESEARCH.2021

- **MAPK PATHWAY INHIBITION SENSITIZES TO IMMUNOTHERAPY IN BRAF-MUTANT GLIOMAS**
  Park, J., Barrette, A., Wang, W., Grossauer, S., Grant, G., Lau, K., Pitteri, S., Monje, M., Petritsch, C.
  OXFORD UNIV PRESS INC.2021: 3-4

- **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., Győrffy, et al
  2021; 7 (1): 141

- **Enrichment of Intact Glycopeptides Using Strong Anion Exchange and Electrostatic Repulsion Hydrophilic Interaction Chromatography.** *Methods in molecular biology (Clifton, N.J.)*
  Bermudez, A., Pitteri, S. J.
  2021; 2271: 107–20

- **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

- **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

- **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

- **A Pragmatic Guide to Enrichment Strategies for Mass Spectrometry-Based Glycoproteomics.** *Molecular & cellular proteomics : MCP*
  Riley, N. M., Bertozzi, C. R., Pitteri, S. J.
  2020; 20: 100029

- **Reconstructed Apoptotic Bodies as Targeted "Nano Decoys" to Treat Intracellular Bacterial Infections within Macrophages and Cancer Cells.** *ACS nano*
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