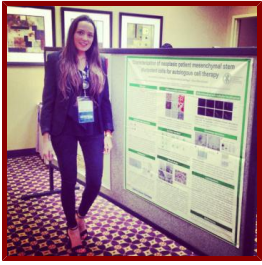


# Stanford

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## Marta Garcia Contreras

Postdoctoral Research Fellow, Pathology

### Bio

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#### HONORS AND AWARDS

- PhD Graduation with honors Cum Laude, Universidad Catolica de Valencia San Vicente Martir (2018)
- Jeronimo Forteza Fellowship, Conselleria de educaci3n de la generalitat Valenciana. Polytechnic University of Valencia. IDM. (2010-2011)
- Ri.Med Foundation Fellowship, Ri.Med Foundation (2014-2017)
- Best poster Award, Gene and Cell Therapy conference (2013)

#### BOARDS, ADVISORY COMMITTEES, PROFESSIONAL ORGANIZATIONS

- Member, American Society for Exosomes and Microvesicles (2013 - 2014)
- Member, International Society for Extracellular Vesicles (2013 - present)

#### PROFESSIONAL EDUCATION

- Postdoctoral Fellow, University of Miami (2018)
- Doctor of Philosophy, Unlisted School (2018)
- Master of Science, Universidad Politecnica De Valencia (2012)
- Bachelor of Science, Universidad Politecnica De Valencia (2010)

#### STANFORD ADVISORS

- Jonathan Long, Postdoctoral Research Mentor
- Jonathan Long, Postdoctoral Faculty Sponsor

#### PATENTS

- Marta Garcia Contreras, Camillo Ricordi, Dora M. Berman-Weinberg, Diego Correa, Alice Tomei. "United States Patent PCT/US18/24346. Biological Scaffold Comprising Therapeutic Cells", University of Miami

#### LINKS

- Researchgate: [https://www.researchgate.net/profile/Marta\\_Garcia-Contreras2](https://www.researchgate.net/profile/Marta_Garcia-Contreras2)

### Research & Scholarship

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#### LAB AFFILIATIONS

- Jonathan Long, Long Lab (3/1/2020)

## Publications

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### PUBLICATIONS

- **Extracellular vesicle-mediated amyloid transfer to neural progenitor cells: implications for RAGE and HIV infection** *Molecular Brain*  
Andras, I. E., Garcia-Contreras, M., Janick, C., Perez, P., Sewell, B., Durand, L., Roborek, M.  
2020
- **Metabolomic changes in human adipose tissue derived products following non-enzymatic microfacturing.** *European review for medical and pharmacological sciences*  
Garcia-Contreras, M., Messaggio, F., Mendez, A. J., Ricordi, C.  
2018; 22 (10): 3249–60
- **Dual mechanism of type VII collagen transfer by bone marrow mesenchymal stem cell extracellular vesicles to recessive dystrophic epidermolysis bullosa fibroblasts.** *Biochimie*  
McBride, J. D., Rodriguez-Menocal, L., Candanedo, A., Guzman, W., Garcia-Contreras, M., Badiavas, E. V.  
2018; 155: 50–58
- **Inflammasome Proteins in Serum and Serum-Derived Extracellular Vesicles as Biomarkers of Stroke.** *Frontiers in molecular neuroscience*  
Kerr, N., García-Contreras, M., Abbassi, S., Mejias, N. H., Desousa, B. R., Ricordi, C., Dietrich, W. D., Keane, R. W., de Rivero Vaccari, J. P.  
2018; 11: 309
- **Extracellular vesicles of the blood-brain barrier: Role in the HIV-1 associated amyloid beta pathology.** *Molecular and cellular neurosciences*  
András, I. E., Leda, A., Contreras, M. G., Bertrand, L., Park, M., Skowronska, M., Toborek, M.  
2017; 79: 12–22
- **Comprehensive Metabolomics Study To Assess Longitudinal Biochemical Changes and Potential Early Biomarkers in Nonobese Diabetic Mice That Progress to Diabetes.** *Journal of proteome research*  
Buchwald, P., Tamayo-Garcia, A., Ramamoorthy, S., Garcia-Contreras, M., Mendez, A. J., Ricordi, C.  
2017; 16 (10): 3873–90
- **Bone Marrow Mesenchymal Stem Cell-Derived CD63+ Exosomes Transport Wnt3a Exterioirly and Enhance Dermal Fibroblast Proliferation, Migration, and Angiogenesis In Vitro.** *Stem cells and development*  
McBride, J. D., Rodriguez-Menocal, L., Guzman, W., Candanedo, A., Garcia-Contreras, M., Badiavas, E. V.  
2017; 26 (19): 1384–98
- **Plasma-derived exosome characterization reveals a distinct microRNA signature in long duration Type 1 diabetes.** *Scientific reports*  
Garcia-Contreras, M., Shah, S. H., Tamayo, A., Robbins, P. D., Golberg, R. B., Mendez, A. J., Ricordi, C.  
2017; 7 (1): 5998
- **Metabolomics Study of the Effects of Inflammation, Hypoxia, and High Glucose on Isolated Human Pancreatic Islets.** *Journal of proteome research*  
Garcia-Contreras, M., Tamayo-Garcia, A., Pappan, K. L., Michelotti, G. A., Stabler, C. L., Ricordi, C., Buchwald, P.  
2017; 16 (6): 2294–2306
- **Exosomes as biomarkers and therapeutic tools for type 1 diabetes mellitus.** *European review for medical and pharmacological sciences*  
Garcia-Contreras, M., Brooks, R. W., Boccuzzi, L., Robbins, P. D., Ricordi, C.  
2017; 21 (12): 2940–56
- **Vitamin D status in children and adolescents with type 2 diabetes in a sun-rich environment** *CellR4*  
Gomez-Meade, C., Lopez-Mitnik, G., Messiah, S., Garcia-Contreras, M., Sanchez, J.  
2016; 4(6) (e2214)
- **Combination high-dose omega-3 fatty acids and high-dose cholecalciferol in new onset type 1 diabetes: a potential role in preservation of beta-cell mass.** *European review for medical and pharmacological sciences*  
Baidal, D. A., Ricordi, C., Garcia-Contreras, M., Sonnino, A., Fabbri, A.  
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- **Vitamin D status in children and adolescents with type 1 diabetes in a sun-rich environment** *CellR4*  
Gomez-Meade, C., Lopez-Mitnik, G., Messiah, S., Garcia-Contreras, M., Sanchez, J.  
2016; 4(5) (e2140)

- **Diet and Inflammation: Possible Effects on Immunity, Chronic Diseases, and Life Span.** *Journal of the American College of Nutrition*  
Ricordi, C., Garcia-Contreras, M., Farnetti, S.  
2015; 34 Suppl 1: 10–13
- **Hierarchical paracrine interaction of breast cancer associated fibroblasts with cancer cells via hMAPK-microRNAs to drive ER-negative breast cancer phenotype.** *Cancer biology & therapy*  
Shah, S. H., Miller, P., Garcia-Contreras, M., Ao, Z., Machlin, L., Issa, E., El-Ashry, D.  
2015; 16 (11): 1671–81
- **Differences in exosome content of human adipose tissue processed by non-enzymatic and enzymatic methods** *CellR4*  
Garcia-Contreras, M., Messaggio, F., Jimenez, O., Mendez, A.  
2014; 3(1) (e1423)
- **Exosomes in the pathogenesis, diagnosis and treatment of pancreatic diseases** *CellR4*  
Garcia-Contreras, M., Ricordi, C., Robbins, P., Oltra, E.  
2014; 2(1) (e807)
- **Therapeutic potential of human adipose-derived stem cells (ADSCs) from cancer patients: a pilot study.** *PloS one*  
García-Contreras, M., Vera-Donoso, C. D., Hernández-Andreu, J. M., García-Verdugo, J. M., Oltra, E.  
2014; 9 (11): e113288