

Gaetano D'Amato

Postdoctoral Research Fellow, Biology

Bio

PROFESSIONAL EDUCATION

- Doctor of Philosophy, Universidad Autonoma De Madrid (2016)

STANFORD ADVISORS

- Kristy Red-Horse, Postdoctoral Faculty Sponsor

Publications

PUBLICATIONS

- **Endothelial deletion of Ino80 disrupts coronary angiogenesis and causes congenital heart disease.** *Nature communications*
Rhee, S., Chung, J. I., King, D. A., D'Amato, G., Paik, D. T., Duan, A., Chang, A., Nagelberg, D., Sharma, B., Jeong, Y., Diehn, M., Wu, J. C., Morrison, et al
2018; 9 (1): 368
- **Myocardial Notch1-Rbpj deletion does not affect NOTCH signaling, heart development or function.** *PloS one*
Salguero-Jimenez, A., Grego-Bessa, J., D'Amato, G., Jimenez-Borreguero, L. J., de la Pompa, J. L.
2018; 13 (12): e0203100
- **Single-cell analysis of early progenitor cells that build coronary arteries.** *Nature*
Su, T., Stanley, G., Sinha, R., D'Amato, G., Das, S., Rhee, S., Chang, A. H., Poduri, A., Raftrey, B., Dinh, T. T., Roper, W. A., Li, G., Quinn, et al
2018
- **DACH1 stimulates shear stress-guided endothelial cell migration and coronary artery growth through the CXCL12-CXCR4 signaling axis** *GENES & DEVELOPMENT*
Chang, A. H., Raftrey, B. C., D'Amato, G., Surya, V. N., Poduri, A., Chen, H. I., Goldstone, A. B., Woo, J., Fuller, G. G., Dunn, A. R., Red-Horse, K.
2017; 31 (13): 1308–24
- **Notch signalling in ventricular chamber development and cardiomyopathy** *FEBS JOURNAL*
D'Amato, G., Luxan, G., Luis de la Pompa, J.
2016; 283 (23): 4223-4237
- **Sequential Ligand-Dependent Notch Signaling Activation Regulates Valve Primordium Formation and Morphogenesis** *CIRCULATION RESEARCH*
MacGrogan, D., D'Amato, G., Travisano, S., Martinez-Poveda, B., Luxan, G., Del Monte-Nieto, G., Papoutsis, T., Sbroglio, M., Bou, V., Gomez-del Arco, P., Jose Gomez, M., Zhou, B., Miguel Redondo, et al
2016; 118 (10): 1480-U101
- **The Chromatin Remodeling Complex Chd4/NuRD Controls Striated Muscle Identity and Metabolic Homeostasis.** *Cell metabolism*
Gómez-del Arco, P., Perdigüero, E., Yunes-Leites, P. S., Acín-Pérez, R., Zeini, M., Garcia-Gomez, A., Sreenivasan, K., Jiménez-Alcázar, M., Segalés, J., López-Maderuelo, D., Ornés, B., Jiménez-Borreguero, L. J., D'Amato, et al
2016; 23 (5): 881-892
- **Endocardial Notch Signaling in Cardiac Development and Disease.** *Circulation research*
Luxán, G., D'Amato, G., MacGrogan, D., de la Pompa, J. L.
2016; 118 (1): e1-e18
- **Endothelial Jag1-RBPJ signalling promotes inflammatory leucocyte recruitment and atherosclerosis.** *Cardiovascular research*

Nus, M., Martínez-Poveda, B., MacGrogan, D., Chevre, R., Amato, G. D., Sbroglio, M., Rodríguez, C., Martínez-González, J., Andrés, V., Hidalgo, A., de la Pompa, J. L.
2016

● **Sequential Notch activation regulates ventricular chamber development** *NATURE CELL BIOLOGY*

D'Amato, G., Luxan, G., Del Monte-Nieto, G., Martínez-Poveda, B., Torroja, C., Walter, W., Bochter, M. S., Benedito, R., Cole, S., Martinez, F., Hadjantonakis, A., Uemura, A., Jimenez-Borreguero, et al

2016; 18 (1): 7-?

● **Mutations in the NOTCH pathway regulator MIB1 cause left ventricular noncompaction cardiomyopathy.** *Nature medicine*

Luxán, G., Casanova, J. C., Martínez-Poveda, B., Prados, B., D'Amato, G., MacGrogan, D., Gonzalez-Rajal, A., Dobarro, D., Torroja, C., Martinez, F., Izquierdo-García, J. L., Fernández-Friera, L., Sabater-Molina, et al

2013; 19 (2): 193-201