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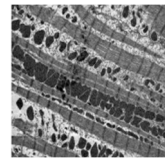
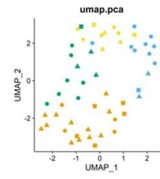
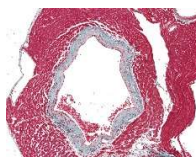
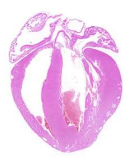
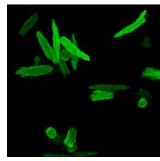
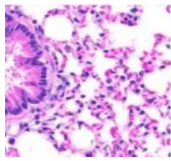
UAM
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INSTITUTO DE INVESTIGACIONES BIOMÉDICAS SOLS-MORREALE

POST-DOCTORAL CANDIDATE FOR JUAN DE LA CIERVA PROGRAMME 2026



The **Oxygen Homeostasis in the Cardiovascular System Lab** lead by **Silvia Martín-Puig** is looking for an outstanding early-career researcher interested in applying for the **Juan de la Cierva Postdoctoral Call 2026**, one of the most prestigious postdoctoral funding opportunities in Spain.

Our group is based at **Instituto de Investigaciones Biomédicas Sols-Morreale (IIBM)** (<https://www.iib.uam.es>), a joint center of Consejo Superior de Investigaciones Científicas (**CSIC**) and Universidad Autónoma de Madrid (**UAM**) in Madrid, Spain. We are seeking for postdoctoral fellows to investigate the *impact of HIF signaling pathway during the development and progression of cardiopulmonary diseases, and to explore novel therapeutic strategies based on HIF targeting, with special focus on the discovery of novel metabolic and soluble biomarkers of disease progression and treatment response*. The project is supported by funding from MICIU, AEI, Comunidad de Madrid and Fundación Domingo Martínez.

Eligible candidates must hold a **PhD in Life and/or Biomedical Sciences** obtained between **1 January 2024 and 31 December 2026**. In addition, the candidate should demonstrate a strong research track record and a highly competitive CV, including at least **two Q1/D1 publications**, previous experience in biomedical research, a solid background in molecular and cellular biology, and valid certification to work with laboratory animals. Previous experience in vascular biology, metabolic assays, single-cell/spatial transcriptomics, bioinformatics, hypoxia, and cardiovascular disease models will be considered an advantage.

The selected candidate will combine state-of-the-art molecular and cellular biology approaches, multi-omics integration and advanced imaging, with genetically modified mouse models and human samples to interrogate the relevance of HIF signaling across different cellular compartments of the heart and lungs, and to propose innovative interventions targeting the hypoxia pathway in the setting of different cardiovascular and pulmonary diseases.

More information about the group can be found at: <http://iib.uam.es/short?i=98rPXl>

Details about the Juan de la Cierva call are available at: [Contratos Juan de la Cierva 2026](#)

Interested candidates should contact by email to: silvia.martin@iib.uam.es by **November 10, 2026**

Recent publications:

1. Escobar B, Menendez-Montes I, [...] Cid MC, Takahashi K, Martin-Puig S. "Activation of HIF2 in Cardiac Vasculature Leads to Arterial Remodeling, Dilation, Thrombosis, and Inflammation, Recapitulating Cardiac Involvement in Kawasaki Disease". *Circulation*. 2026 Aug 18;154(7):636-656. doi: 10.1161/CIRCULATIONAHA.125.076230.
2. Albendea-Gomez T, Mendoza-Tamajon S, [...], Oliver E, Villalba-Orero M, Martin-Puig S. "Vascular HIF2 Signaling Prevents Cardiomegaly, Alveolar Congestion, and Capillary Remodeling During Chronic Hypoxia". *Arterioscler Thromb Vasc Biol*. 2025 Mar; 45(3): e78-e98. doi:10.1161/ATVBAHA.124.321780.
3. Martin-Puig S, Menendez-Montes I. "Cardiac Metabolism". *Adv Exp Med Biol*. 2024;1441:365-396. doi: 10.1007/978-3-031-44087-8_19.
4. Menendez-Montes I, Villalba-Orero M, Escobar B, Martin-Puig S. "Embryonic echocardiography for assessment of congenital and functional cardiac defects". *STAR Protoc*. 2021 Dec 2;2(4):100980. doi: 10.1016/j.xpro.2021.100980.
5. Menendez-Montes I, Escobar B, [...], Ruiz-Cabello J, Vázquez J, Martin-Puig S. "Activation of amino acid metabolic program in cardiac HIF1- α -deficient mice". *iScience*. 2021 Feb 3;24(2):102124. doi: 10.1016/j.isci.2021.102124.
6. Izquierdo-Serrano R, Sharysh D, [...], Martin-Puig S, Carramolino L, Morales-Cano D, Bentzon JF. "Loss of HIF1 α signaling drives oxidative stress and expansion of smooth muscle cells in murine atherosclerosis". *bioRxiv* 2026. 06.26.734925; doi: <https://doi.org/10.64898/2026.06.26.734925>. (*ATVB*, under revision).