

Experimental Pharmacology and New Targets in Cardiopulmonary Disorders Group

PhD Opportunity: Competitive Predoctoral Fellowships in Vascular Research

Seeking an excellent candidate to prepare fellowship applications with our group.

Examples: FPU • INPhINIT Retaining

Research project



Vascular dysfunction

How air pollution interacts with physiological and genetic factors to drive vascular damage.



Advanced vascular models

Vascular in vitro models under flow (organ-on-chip systems).



Sex-specific effects

Differences between females and males in pollution-related vascular responses.

Candidate profile



Academic background

- Bachelor's and Master's degree in life sciences.
- Academic average $\geq 8.5/10$ or equivalent international record



Desired experience

- Mammalian cell culture
- Molecular and cellular biology techniques
- Experimental animal models



We value

- Scientific curiosity and critical thinking
- Good written and spoken English
- Motivation for a research career



How to apply

Thesis co-directors

Dr Eduardo Oliver & Dr Gerrit Bredeck

Submit your application in English or Spanish to

eduardo.oliver@cib.csic.es

Email subject

Predoeal Application - Air Pollution-induced Vascular Dysfunction



Application should include

- Curriculum vitae
- Bachelor's and Master's transcripts
- Motivation letter - maximum one page
- Brief summary of thesis projects and further research experience, if applicable
- Contact details for one or two referees

Preferably apply until 11 October 2026