



"ALEXANDER FLEMING"
Biomedical Sciences Research Center

Biomedical positions in target and drug discovery

The laboratory of V. Aidinis at BSRC Fleming is looking for highly motivated **research associates** (3 PhDs, 2 MScs, and 1 technician) in the context of a recently granted proposal on **drug and target discovery in pulmonary fibrosis**. The positions are for 3 years with possibilities for extension; remuneration will be based on qualifications, starting from the national unified salary scale; some PhD positions will have additional industrial financial support; the MSc positions can lead to a PhD.

Idiopathic pulmonary fibrosis (IPF), the most common fibroproliferative interstitial lung disease (ILD), is a progressive disease with a dismal prognosis. IPF current standard-of-care (SOC) compounds, although they can delay disease progression, have numerous side effects that limit compliance. Therefore, the treatment of IPF/ILD remains an unmet medical need, warranting the development of novel antifibrotic compounds. In this context, and in the funded 3(+1) year program, we will finish the pre-clinical development of existing proprietary inhibitors against Autotaxin, a well-established, by the consortium, therapeutic target in IPF. Moreover, we will develop new inhibitors against newly established targets, as well as we will pursue the discovery of new targets through the molecular and genetic dissection of pathogenetic mechanisms; several state-of-the-art methodologies will be employed and/or developed.

The funded consortium consists of BSRC Fleming, the Chemistry Department of the University of Patras, CloudPharm and Uni-Pharma, thus creating a unique multidisciplinary environment across molecular biology and immunology, chemistry and pharmacology, chemoinformatics and bioinformatics, and pathophysiology and medicine. Moreover, the program operates across the public and private sectors offering unique future employment possibilities.

1. The first, senior, position will be filled by a life scientist holding a **PhD in molecular biology or immunology**, with extensive experience in animal models as well as molecular and cellular methodologies. A minimum of two years of postdoctoral experience is required, along with 1-2 first author high-impact (IF>7) publications. The successful candidate is expected to be highly autonomous, to lead the experimental design and execution of **genetic and pharmacological studies *in vivo***, and to supervise 3-4 PhD and/or diploma students.

2. The second position will be filled by a life scientist holding a **PhD in Mass spectrometry or Analytical Chemistry, or molecular biology**, with extensive experience in mass spectrometry. A minimum of 1-2 first author high-impact (IF>7) publications are required. The successful candidate is expected to be highly autonomous, to lead the experimental design and execution of all **immunopeptidomics** and **degradomics** studies, to assist in other proteomic and lipidomic studies, and to supervise 1-2 PhD and/or diploma students.

3. The third position will be filled by a life scientist holding a **PhD in Mass spectrometry or Analytical Chemistry**, with extensive experience in mass spectrometry of proteins and/or lipids. The successful candidate will work on bulk proteomics and lipidomics and assist in the



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establishment of the corresponding single cell technologies with the newly acquired state-of-the-art instrumentation.

4-5. The fourth and fifth positions, leading to a PhD, will be covered by life scientists holding an **MSc in molecular biology or cellular biology** (or related), and expected to have relative hands-on experience on molecular and cellular biology methodologies, and high motivation for academic and industrial research.

6. The sixth position will be covered by a biomedical sciences degree holder and concerns an **animal technician/caretaker** with extensive experience in animal handling and/or disease modeling, as well as related phenotypic skills (e.g. histology, Q-RT-PCR).

Expressions of interest should be sent to aidinis.admin@fleming.gr accompanied by a cover letter containing the interests and areas of expertise of each candidate and a full CV, including names and contact info of two previous employers to obtain recommendation letters. Selected candidates will be interviewed.