

# Postdoc position in Molecular Biology/Chemical Biology/Nucleic Acid Chemistry Covid-19 diagnostic researchcollaboration with 4Catalyzer/Homodeus (F/H)

**HIRING DATE** Starting date :February 2021 **LOCATION** 10 RUE VAUQUELIN 75005 PARIS

**ÉTABLISSEMENT** ESPCI Paris - PSL

## WORKING ENVIRONMENT AND CONTEXT

The École Supérieure de Physique et de Chimie Industrielles de la Ville de Paris - PSL (ESPCI Paris - PSL) is both a Grande École of Engineering and a research institute (17 laboratories) of international renown with a strong culture of scientific excellence (6 Nobel Prizes). Teaching and research are at the crossroads of knowledge and know-how in physics, chemistry and biology.

Notre établissement fait partie de l'Université PSL. Située au cœur de Paris, celle-ci fait dialoguer tous les domaines du savoir, de l'innovation et de la création. Classée parmi les 50 premières universités mondiales, elle forme au plus près de la recherche des chercheurs, artistes, ingénieurs, entrepreneurs ou dirigeants conscients de leur responsabilité sociale, individuelle et collective.

### HOSTING STRUCTURE

#### ESPCI Paris PSL

ESPCI Paris PSL is a major institution of higher education (a French "Grande École d'ingénieurs"), an internationally renowned research center (6 Nobel Prizes), and a fertile ground for innovation, with several start-ups founded each year. ESPCI is a highly multidisciplinary environment with teaching and research in physics, chemistry and biology.

# RESEARCH MISSION

**CBI - ESPCI PARIS PSL LBC TEAM - PROF. ANDREW GRIFFITHS**

## **Covid-19 diagnostic project**

The COVID-19 pandemic is a once-in-a-century global crisis. Widespread, frequent testing is the key to getting the world back on its feet. Current COVID-19 testing options are expensive, slow, and uncomfortable.

In collaboration with **Homodeus Inc.** (a **4Catalyzer** company, founded by Jonathan Rothberg, the pioneer of next-generation sequencing), our goal is to develop an accurate, affordable, and simple testing that can be done anywhere—from the point of care to the home. We aim to make testing available to everyone around the world, for COVID-19 today and any pathogen tomorrow.

## SKILLS

### **Requirements**

We are seeking a highly motivated Postdoc to work on Covid-19 diagnostic test development. Requirements are experience in molecular biology, chemical biology, nucleic acid chemistry or related fields, with expertise in nucleic acid amplification and detection chemistries highly desirable.

Flexibility, autonomy, the ability to work in a highly multidisciplinary team and good interpersonal skills are essential.

### **NON DISCRIMINATION, OUVERTURE ET TRANSPARENCE**

Notre établissement, comme l'ensemble de l'Université PSL, s'engage à soutenir et promouvoir l'égalité, la diversité et l'inclusion au sein de ses communautés. Nous encourageons les candidatures issues de profils variés, que nous veillerons à sélectionner via un processus de recrutement ouvert et transparent.

# APPLICATION PROCESS

Address your applications(CV + cover letter) by email to:

Prof. Andrew GRIFFITHS

ESPCI Paris – LBC Team

10 Rue Vauquelin - 75005 Paris

[job-lbc@espci.fr](mailto:job-lbc@espci.fr)

## CONTACT

Andrew Prof. GRIFFITHS

[job-lbc@espci.fr](mailto:job-lbc@espci.fr)

## ACCESS

ESPCI Paris – LBC Team

10 Rue Vauquelin - 75005 Paris

Metro line 7 station Censier daubenton, Bus 21,27

## OTHER INFORMATION

Recherche principal : **Sciences biologiques**

Wage : **Salary : according to professional experience**

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10314**

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## Université PSL (Paris Sciences & Lettres)

