JOB OFFER

Intracellular silicon microdevices: new tools to monitor and modify living cells

https://www.cib.csic.es/project/intracellular-silicon-microdevices-new-tools-monitor-and-modify-living-cells

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POSITION OFFERED: **Postdoctoral Researcher or experienced graduate**

PROJECT TITLE: **Nanoelectromechanical Systems for Intracellular Measurements**

WHAT WE ARE LOOKING FOR: Candidates interested and highly motivated to participate in an interdisciplinary project joining physic, chemistry and biology. It is an innovative project that aims to integrate smart monitoring nanostructured microdevices within living cells.
Candidates should have a **PhD in Bio** disciplines (Biology, Biochemistry, Biomedicine, Biotechnology, etc.) with training in cell biology and confocal microscopy. An **experienced graduate** showing similar expertise will be considered.
Ability to work in a team and to communicate easily with international collaborators.
Experience in immunology and computer skills will be positively valued.

WHAT WE OFFER: A 2-2.5 years contract in a small dynamic group with strong international collaborators and an interesting innovative project.

START: December 1st or ASAP.

CONTACT: teresa@cib.csic.es

If interested, please, send an updated CV and a letter explaining your training and interest (until 11/15/2022).

Some publications:

Arjona MI, Duch M, Hernández-Pinto A, Vázquez P et al (2022). Intracellular Mechanical Drugs Induce Cell-Cycle Altering and Cell Death. Adv Mater., 34(17):e2109581
Arjona, MI, González-Manchón, C et al., (2021) Integrating magnetic capabilities to intracellular chips for cell trapping. Sci reports, 11:18495
Gómez-Martínez, R, Hernández-Pinto, et al (2013) Silicon chips detect intracellular pressure changes in living cells. Nat. Nanotech., 8: 517-21