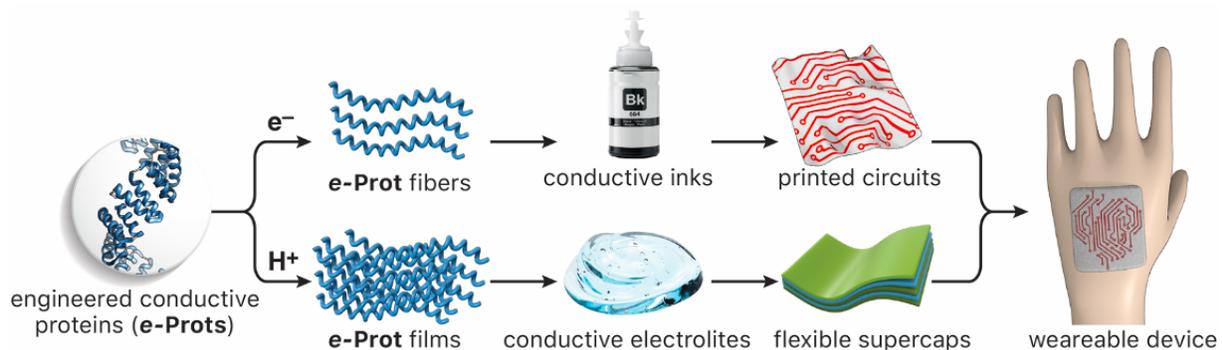


A **junior researcher position** is available to work on the electrical characterization of ***Engineered Conductive Proteins for Bioelectronics (eProt)*** at the [Department of Applied Physics](#), University of Alicante, Spain

We are looking for **highly motivated young researchers** to participate in a **multidisciplinary project** within an **international team of physicists, chemists, biologists and engineers**. The exciting and challenging goal of the eProt project is to **develop protein-based materials capable of conducting electricity and thus with potential for their integration in the design of future wearable bioelectronic devices** (more information in the website: <https://www.e-prot.com/>)



Proteins, the building blocks of life, are structurally robust and inherently biocompatible materials. However, the electrical conduction properties of these systems are still far from those of the materials which are typically used in electronics. As part of the eProt project, our role at the UA is to characterize the electrical properties of the artificial protein materials synthesized by our partners, and to understand the fundamental mechanisms of conduction, to provide valuable feedback for the optimization of their conductivity and to enable their technological application.

**Suitable candidates** should have a **bachelor or master degree in Physics, Engineering, Chemistry** or related fields. A **predoctoral or a technical staff contract** can be offered based on the candidate's background and interest. The tasks of the selected candidate will include the electrical and structural characterization of the biomaterials produced by our partners, by impedance measurements on thin films and Scanning Probe techniques on nanoassemblies.

The candidate will work under the direct supervision of [Dr. Reyes Calvo](#) and [Dr. Carlos Sabater](#), who hold a broad expertise in the electrical characterization of materials and nanoscale systems. At the [Department of Applied Physics](#), we enjoy a collaborative and vibrant research atmosphere in condensed matter physics and materials science.

**To apply** please **send your complete CV and a cover letter** to [reyes.calvo@ua.es](mailto:reyes.calvo@ua.es) **as soon as possible**, we are looking for motivated candidates to start if possible early 2022.