

## **Postdoc Fellow**

**Location:** Universidade Federal do ABC - Santo André/SP

**Posting Date:** June 10<sup>th</sup> 2022

**Supervisor:** Prof. Fernando Carlos Giacomelli

**Co-Supervisors:** Maria Isabel Felisberti and prof. Watson Loh

### **Tuning the Protein Corona around Colloidal Gold**

**Job Description:** Full-time Postdoctoral Fellow funded by FAPESP is available. The surface engineering of gold sols will be manipulated towards the control over protein corona features. The main objectives of this investigation are (i) manufacture polymer-stabilized gold nanoparticles using amino-containing polymers, (ii) understand the influence of nanoparticle's surface chemistry on protein-nanoparticle interactions and (iii) comprehend biological consequences of protein coronas around nanomaterials (cytotoxicity, cellular uptake, intracellular trafficking).

**Qualifications:** PhD. in Chemistry, Biology, Materials Science or related areas. Proven track record in scattering techniques, cell culture and time-lapse imaging are assets. The candidate must have good command of both oral and written English. We look for a highly motivated member with interpersonal skills who could contribute to the lab community and with disposition for international internship.