

Postdoc Fellow

Location: Universidade Federal do ABC - Santo André/SP

Posting Date: June 10th 2022

Supervisor: Prof. Fernando Carlos Giacomelli

Co-Supervisor: Maria Isabel Felisberti

Polymersomes as Nanoreactors and Nanocarriers

Job Description: The investigations will rely on the manufacturing of stimuli-responsive polymersomes to be used as nanoreactors and cargo spaces towards applications in a variety of fields (catalysis, cell-mimicking and next generation biomaterials, for instance). The successful candidate will (i) synthesize and characterize a variety of amphiphilic block copolymers, (ii) investigate the block copolymer self-assembly in aqueous media using essentially scattering and imaging, and (iii) evaluate polymersome permeability to molecules and ions.

Qualifications: PhD. in Chemistry, Physics, Materials Science or related areas, ideally with a proven track record in polymer colloids and scattering techniques. We look for a highly motivated member, without “nine-to-five mentality”, with interpersonal skills who could contribute to the lab community and disposition for international internship. Proficiency in spoken and written English is required