

Lead institution: Nuclear and Energy Research Institute – IPEN/CNEN	
Supervisor name: Dr. Estevam V. Spinacé	Supervisor department: Fuel Cell and Hydrogen Center - CCCH
Supervisor email: espinace@ipen.br	
Co-supervisor (if any): Dr. Jorge M. Vaz	Co-supervisor department: CCCH
Co-supervisor email: jmvaz@ipen.br	
Recipient: TO BE APPOINTED	Type: Scientific Initiation (IC)
Project title: Supported metals nanoparticles prepared by different methodologies as catalyst for the PROX reaction	
Research theme area: Catalysis	
<p>Aims The aim of this IC will be to prepare and characterize supported metals nanoparticles and test as catalyst for Preferential Oxidation (PROX reaction) of Carbon Monoxide in Hydrogen rich mixtures.</p>	
<p>Objectives</p> <ol style="list-style-type: none"> 1. To prepare and characterize Au nanoparticles supported on mixed oxides 2. To test these catalysts on PROX reaction 	