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ASTERIX & LANL EXPERIENCES

SOFIA PINZON

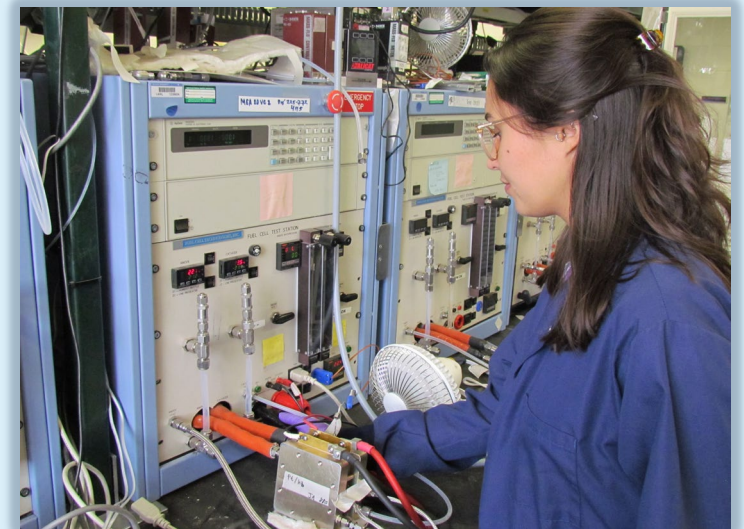
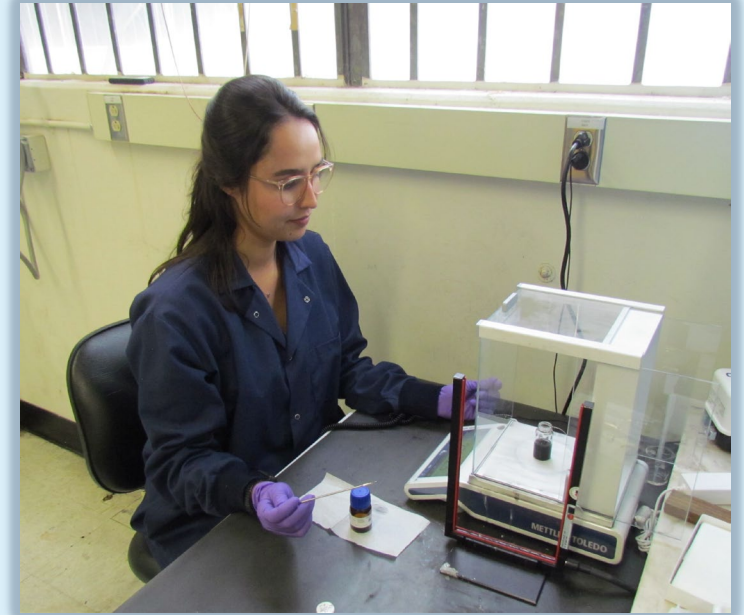


ASTERIX TIMELINE



GRADUATE RESEARCH ASSISTANT









- Fuel Cells
 - Fabrication and characterization of Pt inks
 - Fabrication and characterization of MEAs
- Thin Films
 - Fabrication of thin films using PVD
 - Characterization of thin films
 - Assembly of new PVD system
- Mentoring
 - Collaborating and assisting FIU senior design teams
 - Assisting new summer students



THIN FILMS RESEARCH

RESEARCH ARTICLE | MARCH 24 2023

Effects of processing parameters on the morphologies of complex sesquioxide thin films ✓

Sofia K. Pinzon  ; James A. Valdez  ; Vancho Kocovski  ; J. K. Baldwin  ; Blas P. Ueberuaga  ;
Cortney R. Kreller  ; Benjamin K. Derby  



Journal of Vacuum Science & Technology A 41, 033404 (2023)

<https://doi.org/10.1116/6.0002398>



R&D ENGINEER

- E-2: Modern Manufacturing Methodologies
- Aerosol Jet Printing
- Additively manufactured tamper evident container
- And much more!!!



ASTERIX/LANL EXPERIENCE

- Specialized hands-on learning and experience
- Exposure to different projects
- Collaboration with other scientists/engineers/students
- Expand network
- Access to many resources

