

Nominee – SPR Council (Critical Care)

BIOGRAPHICAL SKETCH

Cristina Maria Alvira

Education: Tufts University: BS., Biology, 1995
Tufts University School of Medicine: M.D., 1999

House Staff and Fellowship Training: Intern, Pediatrics, Stanford University School of Medicine, Palo Alto, CA, 1999-2000; Resident, Pediatrics, Stanford University School of Medicine, Palo Alto, CA, 2000-2002; Fellow in Pediatric Critical Care Medicine, Stanford University School of Medicine, Palo Alto, CA, 2002-2005.

Faculty Positions: Instructor of Pediatrics, Stanford University School of Medicine, Palo Alto, CA, 2005-2009; Acting Assistant Professor of Pediatrics, Stanford University School of Medicine, Palo Alto, CA, 2009-2010; Assistant Professor of Pediatrics, Stanford University School of Medicine, Palo Alto, CA, 2010-present.

Current Position: Assistant Professor of Pediatrics, Stanford University School of Medicine, Palo Alto, CA; Associate Director of Basic Research, Center for Excellence in Pulmonary Biology, Stanford University School of Medicine, Palo Alto, CA.

Society Memberships: Alpha Omega Alpha, Society for Pediatric Research, American Physiologic Society, American Health Council.

SPR Activities: Presentations at SPR Annual Meetings every year since 2004. Active member of SPR since 2012. SPR Young Investigator Coaching Program participant beginning 2012. Abstract reviewer for the Pulmonary Circulation, Cardiac and Pulmonary Development and Critical Care sections, 2012-present; Poster and Platform Sessions Moderator, 2013-present.

Research Interests: My NIH funded basic/translational research program is aimed at identifying: (i) molecular mechanisms directing postnatal lung development; (ii) pathways regulating pulmonary angiogenesis; and (iii) novel therapies to enhance lung growth and repair in lung diseases such as bronchopulmonary dysplasia and acute lung injury.

Other Information: Editorial Board: *American Journal of Physiology-Lung Cellular and Molecular Physiology*; Outstanding Junior Investigator Award: *American Journal of Physiology-Lung Cellular and Molecular Physiology*, 2013; Tashia and John Morgridge Faculty Scholar-Stanford Child Health Research Institute, 2015-2020; Ad Hoc Grant Reviewer for National Institutes of Health, NHLBI, 2016-2017.

Comment: As a physician scientist, I have benefitted tremendously from the community, resources, and mentorship available through the SPR. I feel passionately about the power of discovery, and the creation of new knowledge as means to improve the health of children. I believe that being part of SPR Council would give me a greater opportunity to help reinvigorate the diminishing pipeline of pediatric physician scientists, to mentor talented fellows and junior faculty interested in building research based careers, and to help grow the pediatric critical care medicine community within the SPR.