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**Amy L. Ryan (Firth)** [amy.firth@med.usc.edu](mailto:amy.firth@med.usc.edu)

Assistant Professor of Medicine and Stem Cell and Regenerative Medicine  
University of Southern California  
Hastings Center for Pulmonary Research, Department of Medicine  
Department of Stem Cell and Regenerative Medicine

We are seeking highly motivated individuals to join our group in studying human lung diseases using patient specific cell models. We are particularly focused on the use of induced pluripotent stem cells to study the specification of specialized lung cell types and the development and progression of human lung diseases including Cystic Fibrosis and Primary Ciliary Dyskinesia. We have projects focused on basal cell heterogeneity, the influence of the niche on stem cell function and the underlying mechanisms of multiciliogenesis.

Postdoctoral candidates with a PhD degree and background in lung biology, bioinformatics, cell biology, epithelial biology, gene editing and stem cells and regenerative medicine are encouraged to apply. Preference will be given to candidates with strong experience in lung biology, experimental models of lung disease and bioinformatics analysis is highly desirable.

Specific responsibilities include planning and analysis of research studies and preparation of data for papers and grants. The candidate will be expected to assist in training undergraduate and graduate students as needed in the laboratory.

Candidates must have earned or will soon receive a Ph.D. in a field relevant to the interests of the Ryan Lab as outlined above. We are seeking candidates should be highly motivated, independent, and creative. For more information, see <http://firthlab.usc.edu/> and <http://profiles.sc-ctsi.org/amy.firth>

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