

## **Utilising patient-derived induced pluripotent stem cells to find new treatments for interstitial lung disease**

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Induced pluripotent stem cells (iPSC) are emerging tools to understand disease pathogenesis and find new treatments, especially for rare diseases where preclinical models are lacking. Recent advances in stem cell technology have made it possible to generate alveolar cells from iPSC by recapitulating key milestones in embryonic development. In this talk we will discuss how we develop pure cultures of alveolar cells and how iPSC from patients with rare inherited forms of interstitial lung disease can be used to model disease and find new precision treatments for patients.