

# Stanford

---



## Christin S Kuo

Assistant Professor of Pediatrics (Pulmonary Medicine)

Pediatrics - Pulmonary Medicine

### CLINICAL OFFICES

- **Pediatric Pulmonary and Cystic Fibrosis Clinic**

770 Welch Rd Ste 380

MC 5882

Palo Alto, CA 94304

**Tel** (650) 724-4788

**Fax** (650) 497-8791

### ACADEMIC CONTACT INFORMATION

- **Alternate Contact**

Lara Vastano - Administrative Associate

**Email** [lvastano@stanford.edu](mailto:lvastano@stanford.edu)

**Tel** 650-725-8188

### Bio

---

#### CLINICAL FOCUS

- Pediatric Pulmonary

#### ACADEMIC APPOINTMENTS

- Assistant Professor - University Medical Line, Pediatrics - Pulmonary Medicine
- Member, Bio-X
- Member, Cardiovascular Institute
- Member, Maternal & Child Health Research Institute (MCHRI)

#### HONORS AND AWARDS

- Esther Ehrman Lazard Faculty Scholar, Stanford University (2020-2021)

#### PROFESSIONAL EDUCATION

- Residency: UCSF Pediatric Residency (2007) CA
- Medical Education: St Louis University School of Medicine (2004) MO
- Board Certification: Pediatric Pulmonary, American Board of Pediatrics (2010)
- Board Certification: Pediatrics, American Board of Pediatrics (2007)
- Fellowship: Lucile Packard Children's Hospital (2011) CA

#### LINKS

- Website: <https://kuo.stanford.edu/>

### Publications

---

#### PUBLICATIONS

- **Cell types of origin of the cell-free transcriptome.** *Nature biotechnology*

- Vorperian, S. K., Moufarrej, M. N., Tabula Sapiens Consortium, Quake, S. R., Jones, R. C., Karkanias, J., Krasnow, M., Pisco, A. O., Quake, S. R., Salzman, J., Yosef, N., Bulthaupt, B., Brown, P., et al  
2022
- **RNA splicing programs define tissue compartments and cell types at single-cell resolution** *ELIFE*  
Olivieri, J., Dehghannasiri, R., Wang, P. L., Jang, S., de Morree, A., Tan, S. Y., Ming, J., Wu, A., Consortium, T., Quake, S. R., Krasnow, M. A., Salzman, J.  
2021; 10
  - **Tissue-specific telomere shortening and degenerative changes in a patient with TINF2 mutation and dyskeratosis congenita.** *Human pathology (New York)*  
Roake, C. M., Juntilla, M., Agarwal-Hashmi, R., Artandi, S., Kuo, C. S.  
2021; 25
  - **Cell-autonomous immune gene expression is repressed in pulmonary neuroendocrine cells and small cell lung cancer.** *Communications biology*  
Cai, L., Liu, H., Huang, F., Fujimoto, J., Girard, L., Chen, J., Li, Y., Zhang, Y., Deb, D., Stastny, V., Pozo, K., Kuo, C. S., Jia, et al  
2021; 4 (1): 314
  - **Single-cell meta-analysis of SARS-CoV-2 entry genes across tissues and demographics.** *Nature medicine*  
Muus, C., Luecken, M. D., Eraslan, G., Sikkema, L., Waghray, A., Heimberg, G., Kobayashi, Y., Vaishnav, E. D., Subramanian, A., Smillie, C., Jagadeesh, K. A., Duong, E. T., Fiskin, et al  
2021
  - **A molecular cell atlas of the human lung from single-cell RNA sequencing.** *Nature*  
Travaglini, K. J., Nabhan, A. N., Penland, L., Sinha, R., Gillich, A., Sit, R. V., Chang, S., Conley, S. D., Mori, Y., Seita, J., Berry, G. J., Shrager, J. B., Metzger, et al  
2020
  - **A single-cell transcriptomic atlas characterizes ageing tissues in the mouse.** *Nature*  
2020
  - **Ageing hallmarks exhibit organ-specific temporal signatures.** *Nature*  
Schum, N. n., Lehallier, B. n., Hahn, O. n., Pálóvics, R. n., Hosseinzadeh, S. n., Lee, S. E., Sit, R. n., Lee, D. P., Losada, P. M., Zardeneta, M. E., Fehlmann, T. n., Webber, J. T., McGeever, et al  
2020
  - **Axon-like protrusions promote small cell lung cancer migration and metastasis.** *eLife*  
Yang, D., Qu, F., Cai, H., Chuang, C., Lim, J. S., Jahchan, N., Gruner, B. M., S Kuo, C., Kong, C., Oudin, M. J., Winslow, M. M., Sage, J.  
2019; 8
  - **Rare Pulmonary Neuroendocrine Cells Are Stem Cells Regulated by Rb, p53, and Notch.** *Cell*  
Ouadah, Y. n., Rojas, E. R., Riordan, D. P., Capostagno, S. n., Kuo, C. S., Krasnow, M. A.  
2019; 179 (2): 403–16.e23
  - **A national registry for childhood interstitial and diffuse lung diseases in the United States.**  
Young, L., Nevel, R., Casey, A., Fishman, M., Welsh, S., Liptzin, D., Hagood, J., Kurland, G., Craven, D., Fiorino, E., Taylor, J., Goldfarb, S., Conrad, et al  
EUROPEAN RESPIRATORY SOC JOURNALS LTD.2018
  - **Single-cell transcriptomics of 20 mouse organs creates a Tabula Muris.** *Nature*  
2018; 562 (7727): 367–72
  - **Pulmonary arteriovenous malformations: an uncharacterised phenotype of dyskeratosis congenita and related telomere biology disorders** *EUROPEAN RESPIRATORY JOURNAL*  
Khincha, P. P., Bertuch, A. A., Agarwal, S., Townsley, D. M., Young, N. S., Keel, S., Shimamura, A., Boulad, F., Simoneau, T., Justino, H., Kuo, C., Artandi, S., McCaslin, et al  
2017; 49 (1)
  - **Respiratory System Involvement in Costello Syndrome** *AMERICAN JOURNAL OF MEDICAL GENETICS PART A*  
Gomez-Ospina, N., Kuo, C., Ananth, A. L., Myers, A., Brennan, M., Stevenson, D. A., Bernstein, J. A., Hudgins, L.  
2016; 170 (7): 1849-1857
  - **Formation of a Neurosensory Organ by Epithelial Cell Slithering** *CELL*  
Kuo, C. S., Krasnow, M. A.

2015; 163 (2): 394-405

- **Cellular mechanisms of alveolar pathology in childhood interstitial lung diseases: current insights from mouse genetics** *CURRENT OPINION IN PEDIATRICS*

Kuo, C. S., Desai, T. J.

2015; 27 (3): 341-347

- **Interstitial lung disease in children.** *Current opinion in pediatrics*

Kuo, C. S., Young, L. R.

2014; 26 (3): 320-327

- **PML-dependent apoptosis after DNA damage is regulated by the checkpoint kinase hCds1/Chk2** *NATURE CELL BIOLOGY*

Yang, S. T., Kuo, C., Bisi, J. E., Kim, M. K.

2002; 4 (11): 865-870

- **Localization, dynamics, and protein interactions reveal distinct roles for ER and Golgi SNAREs** *JOURNAL OF CELL BIOLOGY*

Hay, J. C., Klumperman, J., Oorschot, V., Steegmaier, M., Kuo, C. S., Scheller, R. H.

1998; 141 (7): 1489-1502

- **Protein interactions regulating vesicle transport between the endoplasmic reticulum and Golgi apparatus in mammalian cells** *CELL*

Hay, J. C., Chao, D. S., Kuo, C. S., Scheller, R. H.

1997; 89 (1): 149-158