

# Stanford

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## Udit Parekh

Postdoctoral Scholar, Bioengineering

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#### HONORS AND AWARDS

- Postdoctoral Fellowship, American Diabetes Association (2022 - 2025)

#### PROFESSIONAL EDUCATION

- Doctor of Philosophy, University of California San Diego (2021)
- Master of Engineering, Rice University , Electrical Engineering
- Bachelor of Technology, Indian Institute of Technology, Bombay , Engineering Physics

#### STANFORD ADVISORS

- Possu Huang, Postdoctoral Faculty Sponsor

### Publications

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#### PUBLICATIONS

- **Charting oncogenicity of genes and variants across lineages via multiplexed screens in teratomas.** *iScience*  
Parekh, U., McDonald, D., Dailamy, A., Wu, Y., Cordes, T., Zhang, K., Tipps, A., Metallo, C., Mali, P.  
2021; 24 (10): 103149
- **Programmatic introduction of parenchymal cell types into blood vessel organoids.** *Stem cell reports*  
Dailamy, A., Parekh, U., Katrekar, D., Kumar, A., McDonald, D., Moreno, A., Bagheri, P., Ng, T. N., Mali, P.  
2021
- **Long-lasting analgesia via targeted in situ repression of Na(V)1.7 in mice** *SCIENCE TRANSLATIONAL MEDICINE*  
Moreno, A. M., Aleman, F., Catroli, G. F., Hunt, M., Hu, M., Dailamy, A., Pla, A., Woller, S. A., Palmer, N., Parekh, U., McDonald, D., Roberts, A. J., Goodwill, et al  
2021; 13 (584)
- **Defining the Teratoma as a Model for Multi-lineage Human Development** *CELL*  
McDonald, D., Wu, Y., Dailamy, A., Tat, J., Parekh, U., Zhao, D., Hu, M., Tipps, A., Zhang, K., Mali, P.  
2020; 183 (5): 1402-+
- **A Platform to Study the Effects of Electrical Stimulation on Immune Cell Activation During Wound Healing** *ADVANCED BIOSYSTEMS*  
Wang, K., Parekh, U., Ting, J. K., Yamamoto, N. D., Zhu, J., Costantini, T., Arias, A., Eliceiri, B. P., Ng, T.  
2019; 3 (10): e1900106
- **Facile Engineering of Long-Term Culturable Ex Vivo Vascularized Tissues Using Biologically Derived Matrices** *ADVANCED HEALTHCARE MATERIALS*  
Hu, M., Dailamy, A., Lei, X., Parekh, U., McDonald, D., Kumar, A., Mali, P.  
2018; 7 (23): e1800845
- **Mapping Cellular Reprogramming via Pooled Overexpression Screens with Paired Fitness and Single-Cell RNA-Sequencing Readout** *CELL SYSTEMS*  
Parekh, U., Wu, Y., Zhao, D., Worlikar, A., Shah, N., Zhang, K., Mali, P.  
2018; 7 (5): 548-+

- **Stretchable Dry Electrodes with Concentric Ring Geometry for Enhancing Spatial Resolution in Electrophysiology.** *Advanced healthcare materials*  
Wang, K., Parekh, U., Pailla, T., Garudadri, H., Gilja, V., Ng, T. N.  
2017; 6 (19)
- **Genome engineering in human pluripotent stem cells** *CURRENT OPINION IN CHEMICAL ENGINEERING*  
Parekh, U., Yusupova, M., Mali, P.  
2017; 15: 56-67