

## Daniel Haensel

Postdoctoral Scholar, Dermatology

### Bio

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#### PROFESSIONAL EDUCATION

- Doctor of Philosophy, University of California Irvine (2019)
- Bachelor of Science, Calif Polytechnic State Univ, S.L.O. (2013)
- PhD, University of California, Irvine (2019)
- BS, Cal Poly San Luis Obispo (2013)

#### STANFORD ADVISORS

- Anthony Oro, Postdoctoral Faculty Sponsor
- Anthony Oro, Postdoctoral Research Mentor

### Publications

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#### PUBLICATIONS

- **c-FOS drives reversible basal to squamous cell carcinoma transition.** *Cell reports*  
Kuonen, F., Li, N. Y., Haensel, D., Patel, T., Gaddam, S., Yerly, L., Rieger, K., Aasi, S., Oro, A. E.  
2021; 37 (1): 109774
- **Defining Epidermal Basal Cell States during Skin Homeostasis and Wound Healing Using Single-Cell Transcriptomics** *CELL REPORTS*  
Haensel, D., Jin, S., Sun, P., Cinco, R., Dragan, M., Quy Nguyen, Cang, Z., Gong, Y., Vu, R., MacLean, A. L., Kessenbrock, K., Gratton, E., Nie, Q., et al  
2020; 30 (11): 3932-+
- **AP-1 and TGFSS cooperativity drives non-canonical Hedgehog signaling in resistant basal cell carcinoma.** *Nature communications*  
Yao, C. D., Haensel, D., Gaddam, S., Patel, T., Atwood, S. X., Sarin, K. Y., Whitson, R. J., McKellar, S., Shankar, G., Aasi, S., Rieger, K., Oro, A. E.  
2020; 11 (1): 5079
- **Wound healing in aged skin exhibits systems-level alterations in cellular composition and cell-cell communication** *CELL REPORTS*  
Vu, R., Jin, S., Sun, P., Haensel, D., Nguyen, Q., Dragan, M., Kessenbrock, K., Nie, Q., Dai, X.  
2022; 40 (5): 111155
- **Starve a cold, and perhaps a cancer.** *Nature cell biology*  
Haensel, D., Oro, A. E.  
2020
- **Intermediate cell states in epithelial-to-mesenchymal transition** *PHYSICAL BIOLOGY*  
Sha, Y., Haensel, D., Gutierrez, G., Du, H., Dai, X., Nie, Q.  
2019; 16 (2): 021001
- **Ex Vivo Imaging and Genetic Manipulation of Mouse Hair Follicle Bulge Stem Cells.** *Methods in molecular biology (Clifton, N.J.)*  
Haensel, D., McNeil, M. A., Dai, X.  
2019; 1879: 15-29
- **An *Ovol2-Zeb1* transcriptional circuit regulates epithelial directional migration and proliferation** *EMBO REPORTS*  
Haensel, D., Sun, P., MacLean, A. L., Ma, X., Zhou, Y., Stemmler, M. P., Brabletz, S., Berx, G., Plikus, M. V., Nie, Q., Brabletz, T., Dai, X.

2019; 20 (1)

- **Epithelial-to-mesenchymal transition in cutaneous wound healing: Where we are and where we are heading** *DEVELOPMENTAL DYNAMICS*

Haensel, D., Dai, X.

2018; 247 (3): 473–80

- **Multiscale modeling of layer formation in epidermis** *PLOS COMPUTATIONAL BIOLOGY*

Du, H., Wang, Y., Haensel, D., Lee, B., Dai, X., Nie, Q.

2018; 14 (2): e1006006

- **Overexpression of Transcription Factor *Ovol2* in Epidermal Progenitor Cells Results in Skin Blistering** *JOURNAL OF INVESTIGATIVE DERMATOLOGY*

Lee, B., Watanabe, K., Haensel, D., Sui, J. Y., Dai, X.

2017; 137 (8): 1805–8