

Stuart Cansdale

(971) 401-7074 | stuartcansdale@gmail.com | [linkedin.com/in/stuartcansdale](https://www.linkedin.com/in/stuartcansdale)

SKILLS

CAR-T cell therapy, flow & mass cytometry, FlowJo, Benchling, mammalian cell culture, HPLC, Spotfire, NGS, PCR, Western Blot, fluorescence microscopy, ELISA, cGMP

EDUCATION

B.S., Bioengineering, Santa Clara University, Santa Clara, CA Sep 2016 – Jun 2020

PROFESSIONAL EXPERIENCE

Gamelandia **Palo Alto, CA**
Retail Associate / part-time May 2024 – Present

- Customer service, inventory and event management, and merchandising
- “Hobby Shop of the Year 2024” awarded by TCGplayer

Allogene Therapeutics **South San Francisco, CA**
Associate Scientist / FTE Jan 2022 – Apr 2023

- Performed process staining for the FACS Verse and Lyric using multi-color panels with FMOs
- Analyzed flow data using Spotfire, FlowJo, and FACSDiva
- Designed a 30+ color panel for the Cytex Aurora to assess quality of donor starting material
- Performed library prep, NGS, and PCR experiments
- Enhanced cross-team understanding by giving crash-course immunology lectures

Stanford University SNP Center for Allergy & Asthma Research **Palo Alto, CA**
Life Science Technician II / FTE Mar 2021 – Dec 2021

- Analyzed basophils and heavy metal content of blood through flow and mass cytometry
- Performed analysis using several assays including ELISA, Luminex, PCR, blood smears, ficoll, EpiTOF, and FACS

Gritstone Bio **Pleasanton, CA**
Manufacturing Associate II / 6 month contract Oct 2020 – Mar 2021

- Managed GMP cell lines to manufacture virus for cancer treatments and COVID
- Performed bioreactor scale-up from thawing plasmid to 50c bioreactors

Santa Clara University Department of Bioengineering **Santa Clara, CA**
Research Assistant / part-time Dec 2016 – Jun 2020

- Created protocols to collect brainwave data from patients using an EEG
- Senior design project using Python and MATLAB neural networks to recognize focused and unfocused brain states with the goal of aiding the severely motor-impaired

PUBLICATIONS

- Y.S. Jung, J. Aguilera, A. Kaushik, J.W. Ha, **S. Cansdale et al.**: Impact of air pollution exposure on cytokines and histone modification profiles at single-cell levels during pregnancy. *Science Advances* (2024)
- J.W. Ha, J. Aguilera, Y.S. Jung, **S. Cansdale et al.**: The impacts of ambient air pollution exposure during pregnancy on maternal and neonatal health: Associations of PM2.5 exposure with immune biomarker levels. *The Journal of Allergy and Clinical Immunology* (2023)
- J.W. Ha, N. Castano, **S. Cansdale et al.**: Development of Basophil Activation Test (BAT)-based point-of-care diagnostic tool for allergies. *The Journal of Allergy and Clinical Immunology* (2022)
- B. Baculi, **S. Cansdale.**: Brainwave Classification for EEG-based Neurofeedback. *Bioengineering Senior Theses* (2020)

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