NAME, PHD

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SUMMARY

- Interdisciplinary scientist with skills and experience in immunology, genomics, and molecular biology
- Led collaborative projects, resulting in 6 peer-reviewed publications, including 5 high impact first-authored publications, and 3 patents
- Deep understanding of genomic data analysis and visualization
- Self-motivated, problem-solving and collaborative scientist with excellent communication skills
- Looking to contribute to use computational methods to push forward Gene Therapy projects towards the clinic

TECHNICAL SKILLS

- **Animal Handling:** Mouse handling, tissue harvest, IV/IP/IM/SC injections
- **Cell Biology:** Cell culture, Cell assays, Cell engineering, Cell fractionation,
- **Microscopy/Imaging:** Confocal microscopy, Cell imaging and analysis
- **Immunology:** Primary immune cell isolation and culture, Flow Cytometry (FACs) analysis, FACS sorting,
- **Biochemistry:** ELISA, Western Blotting, Enzymatic assays
- **Molecular biology:** Cloning, PCR, RT/qPCR, Transfection, mini prep, AAV, Retroviral transduction, CRISPR
- **Genomics:** RNA library construction for high throughput sequencing
- **Computational:** Programming languages (R, Python and Shell script)

RESEARCH EXPERIENCE

Amgen   **Thousand Oaks**
Scientist I   *Sept 2018 to present*

- Led 3 highly collaborative projects all focused on the validation of novel therapeutic vectors in animal disease models (neurodegenerative diseases)
- Managed a small team of 2 technical reports
- Responsible for designing experiments that drove the project forward towards IND submission
- Oversaw the PK/PD, and toxicology studies conducted by various CROs
- This project led to the submission of 3 publications and 1 patent

Massachusetts General Hospital
Post doctoral Fellow   *July 2014 to Sept 2018*

- Led 2 primary projects focused on the developing a library of small molecules targeting pathways involved in neurodegenerative diseases
- Developed high-throughput screening assays with novel functional readout (target validation assays)
- Used computational methods to develop novel small molecules that fit target profile
- These projects led to the submission of 2 publications and 2 patents

EDUCATION

- PhD, Computational/Molecular Biology, Harvard University, 2014
- BS, Biology, University of Massachusetts, 2010

TEACHING AND MENTORING EXPERIENCE

- 2014 - Mentored 2 undergraduates in their day-to-day lab activities
- 2012 - Graduate Teaching Assistant for Immunology

AWARDS

- Graduate Scholarship
- F32: NIH Postdoctoral Training Grant

CONFERENCE PRESENTATIONS

Take the top 3-4

- Keystone Conference for Neurodegenerative Diseases:

PUBLICATIONS

Take the top 5-6, bold your author position

OTHER SKILLS

Software   GraphPad Prism, Microsoft Word, Excel, and PowerPoint, ImageJ
Languages   English: professional proficiency. Mandarin: native. German: conversational.