RYAN S. LAIRD

💼 PROFESSIONAL EXPERIENCE

current | 2018

Post-Bachelor Fellow
National Human Genome Research Institute 📍 Bethesda, MD

- Designed REDCap database to document clinical history of patients with VEXAS, a novel autoinflammatory syndrome.
- Defined requirements for study management database with stakeholder input. Planned for downstream queries, reporting, legacy data import, and team workflows.
- Analyzed EHR data including: clinical labs, HPO terms, and COVID-19 incidence for an autoinflammatory cohort of 2,000 patients.
- Managed intake and processing of adult referrals to a natural history study[1].

2018 | 2017

Fuel Your Future Associate, AmeriCorps
United Way of King County 📍 Seattle, WA

- Piloted 'Breakfast After the Bell' program following No Kid Hungry guidelines, which resulted in new state legislature affecting over 400 schools in Washington by 2020
- Distributed free meals to anyone under 18 through the Child and Adult Care Food Program with a 25% increase of meals served.

2017 | 2017

Emergency Medical Technician
Olympic Ambulance; American Medical Response 📍 King County, WA

- Provided medical care and comfort to patients in a fast-paced environment.
- Developed professional communication and rapport with patients, fire departments, law enforcement, and hospital staff.
- Maintained HIPAA compliance and documented patient consent for treatment/transport.

🎓 EDUCATION

2020 | 2020

Data Science CoLab
Department of Health and Human Services 📍 Washington D.C.

- Highly competitive 8-week series on data analysis, natural language processing, and machine learning.
- Capstone Project: Utilized NLP tools to extract clinical data from EHRs, in order to cluster undifferentiated patients by phenotypic similarity.
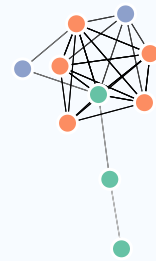

Above network graph shows connections between experiences.

View this CV online with links at https://ryanvidegar-laird.github.io/CV/laird_cv.html
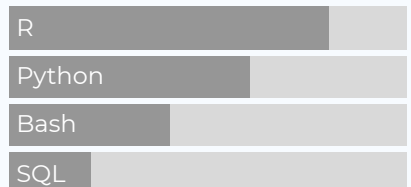
CONTACT

✉ Ryan.Laird@outlook.com

📱 (717)-330-4658

🐙 GitHub

ORCID

LANGUAGE SKILLS

R	
Python	
Bash	
SQL	

Made with R packages pagedown and datadrivencv.

The source code is available on GitHub.

Last updated on 2021-03-15.

2019
|
2019

Foundation for Advanced Education in the Sciences
Select Graduate Courses   📍 Bethesda, MD

· Experimental Statistics with R
· Introduction to Python for Bioinformatics

2016
|
2016

EMT–Basic Certification
Tacoma Community College   📍 Tacoma, WA

· Met training requirements for Emergency Medical Technician
  employment in Washington State.

2016
|
2012

B.S. Molecular Biology
Messiah University   📍 Mechanicsburg, PA

· Graduated *cum laude*

📖 PUBLICATIONS, TALKS, AND POSTERS

2021

**Somatic Mutations in UBA1 Define a Distinct Subset of Patients with
Relapsing Polychondritis**
Under-Review

· Authored with Marcela A. Ferrada, M.D., Keith A. Sikora, M.D., Yiming Luo,
  M.D., Kristina V. Wells, B.Sc., Bhavisha Patel, M.D.

2020

**Somatic Mutations in UBA1 and Severe Adult–Onset Autoinflammatory
Disease[2]**
New England Journal of Medicine

· Authored with David B. Beck, M.D., Ph.D., Marcela A. Ferrada, M.D., Keith
  A. Sikora, M.D., Amanda K. Ombrello, M.D., Jason C. Collins, Ph.D, et al.

2020

**Using Unsupervised Machine Learning to Find Clinical Patterns of
Autoinflammatory Disease**
Invited speaker, HHS Data Science CoLab Symposium

2020

**Discovering Novel Patterns of Autoinflammation via Phenotype–First
Unsupervised Machine Learning**
NIH Post-bac Poster Day

2019

**TNF Inhibitor Treatment and Dramatic Stroke Risk Reduction in
Patients with Deficiency of Adenosine Deaminase 2[3]**
Oral Presentation, American College of Rheumatology Conference

🔗 LINKS

1: https://clinicaltrials.gov/ct2/show/NCT00001373
2: https://www.nejm.org/doi/full/10.1056/NEJMoa2026834
3: https://acrabstracts.org/abstract/tnf-inhibitor-treatment-and-dramatic-stroke-risk-
   reduction-in-patients-with-deficiency-of-adenosine-deaminase-2/