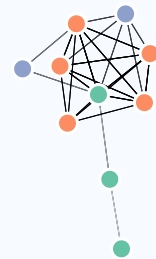


RYAN S. LAIRD



Above network graph shows connections between experiences.

View this CV online with links at [_https://ryanvidegar-laird.github.io/CV/laird_cv.html_](https://ryanvidegar-laird.github.io/CV/laird_cv.html)

CONTACT

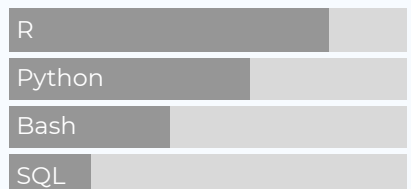
✉ Ryan.Laird@outlook.com

📞 (717)-330-4658

🐙 [GitHub](#)

[ORCID](#)

LANGUAGE SKILLS



Made with R packages [pagedown](#) and [datadrivencv](#).

The source code is available on [GitHub](#).

Last updated on 2021-03-15.

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 study¹.

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.

- 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 Disease²
 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 2³
 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/>