Thadryan Sweeney

Technologist, Instructor

I am a Computational Biologist and Scientific Software Developer interested in applying statistical and computational techniques to the study of systems large and small.

Research Positions

2020 **Research Technologist**, *Mass General/Harvard Medical School*, Boston, MA.

2018 **Bioinformatics & Data Science Contractor**, *bluebird bio*, Cambridge, MA.

Education

2011 **Associate of Arts**, *Greenfield Community College*, Greenfield, MA.

2013 **Bachelor of Science**, *American International College*, Springfield, MA.

2019 **Master of Science**, *Northeastern University*, Boston, MA.

Teaching

2020 **Bioinformatics Methods I (spring)**, *Northeastern University*.

2020 **Bioinformatics Methods I (fall)**, *Northeastern University*.

2021 **Bioinformatics Methods I (spring)**, *Northeastern University*.

Published Software

2020 An interactive Bayesian Ttool for SARS-CoV2-Antibody test interpretation. Manuscript supplement, https://covid.omics.kitchen/

2020 ContrApption: interactive visualization of RNA-Seq style datasets from a single function call. (beta) https://github.com/omics-kitchen/ContrApption

Publications

Published

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ThadryanJS • *sweeney-th*

2021 **Evaluation of serological lateral flow assays for severe acute respiratory syndrome coronavirus-2**, *Supplement: https://covid.omics.kitchen/.*

In Revision

2021 **Distinct stress-dependent signatures of cellular and extracellular tRNA-derived small RNAs (tDRs)**, *https://www.biorxiv.org/content/10.1101/2021.09.03.458085v1.*

Submitted

TBD **An Examination of Small RNA Expression in Multiple Tissues and Their Detection in Biofluids**.

TBD **Elevation of Neuronal Injury Markers in Patients with Neurologic Sequelae after Hospitalization for SARS-CoV-2 Infection**.

In preparation

TBD **miRNAs in canine mitral value disorders**.

TBD **Increased levels of the synaptic proteins PSD-95, SNAP-25, and Neurogranin in the cerebrospinal fluid of patients with Alzheimer's Disease**.

TBD **ContrApption: interactive visualization of RNA-Seq style datasets from a single function call**.

Media

2020 COVID-19 LFA Research. https://www.wcvb.com/article/boston-researchers-assess-performance-of-covid-19-antibody-tests/33625088