# Jennafer **Hamlin**

APHL Bioinformatics Fellow

*Enteric Diseases Laboratory Branch, Centers for Disease Control and Prevention, Atlanta, GA, USA*

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*I am a scientist with 10+ years of experience in genetics, genomics, and evolutionary biology. My training includes using a range of tools - bioinformatics, genomics, population genetics, molecular biology – to answer interesting questions in regarding orgnamisms which can cause to human health.*

## Education

**University of Georgia** — *Athens, GA*

Ph.D. in Genetics — *2015*

**University of North Carolina - Asheville** — *Asheville, NC*

B.S. in Biology — *2010*

## Appointments

**Centers for Disease Control and Prevention** — *Atlanta, GA*

APHL Bioinfomratics Felllow — *Sep-19–Current*

- Tinsel - an Rshiny application for annotating outbreak trees

**University of Georgia** — *Athens, GA*

Bensasson Lab Post-Doctoral Researcher — *Oct-17–Aug-19*

- Population genomics of yeast

**Indiana Unversity** — *Bloomingto, IN*

Moyle Lab Post-Doctoral Researcher — *Jun-15–Sep-19*

- Speciation and genomics in wild tomatoes

## Skills

**Analytical**

"Genomics", "Bioinformatics", "Data science", "Reproducible research", "Statistics", "Experimental Design"

**Programming**

"R - expert", "Bash - expert", "SQL - beginner", "Python-expert"

**Tools**

Git/Github, High Performance Computing

## Publications

### First author

**JAP Hamlin, MS Hibbins, LC Moyle** — *Evolution Letters*

Assessing biological factors affecting postspeciation introgression — *2020*

**JAP Hamlin, GB Dias, CM Bergman, D Bensasson** — *G3*

Phased diploid genome assemblies for three strains of Candida albicans from oak trees — *2019*

**JAP Hamlin, NA Sherman, LC Moyle** — *G3*

Two loci contribute epistastically to heterospecific pollen rejection, a postmating isolating barrier between species — *2017*

**JAP Hamlin, TJ Simmonds, ML Arnold** — *Biological Journal of the Linnean Society*

Niche conservatism for ecological preference in the Louisiana iris species complex — *2017*

**JAP Hamlin, ML Arnold** — *Journal of Heredity*

Neutral and Selective Processes Drive Population Differentiation for Iris hexagona — *2015*

**JAP Hamlin, ML Arnold** — *Ecology and Evolution*

Determining Population Structure and Hybridization for Two Iris Species. — *2014*

### Non-first author

**ML Arnold, AN Brothers, JAP Hamlin, SJ Taylor, NH Martin** — *Reticulate Evolution*

Divergence-with-gene-flow—what humans and other mammals got up to — *2015*

**ML Arnold, JAP Hamlin, AN Brothers, ES Ballerini** — *Rapidly evolving genes and genetic systems*

Natural hybridization as a catalyst of rapid evolutionary change — *2012*

**ML Arnold, ES Ballerini, AN Brothers, JAP Hamlin, CDA Ishibashi, ...** — *Plant Ecology & Diversity*

The genomics of natural selection and adaptation: Christmas past, present and future (?). — *2012*

**K Marshall, J Hamlin, M Armstrong, J Mendoza, C Lee, D Pieri, R Rivera, ...** — *The Bulletin of the Ecological Society of America*

Science for a social revolution: ecologists entering the realm of action — *2011*

### Preprints

**J Hamlin, LC Moyle** — *bioRxiv*

Spatial proximity determines post-speciation introgression in Solanum — *2019*

## R-Packages

**Tinsel** — *https://github.com/jennahamlin/Tinsel*

"An R package for visulizating and annotating phylogenetic trees" — *2019*

- Author and maintainer