

Keenan Graham

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EXPERIENCE

Department of Parasitology, Genova Diagnostics — Laboratory Director: James Kelton, Ph.D.

2013 - PRESENT

Identification of intestinal protozoa and helminths via light microscopy.

Department of Clinical Genetics, Fullerton Genetics Center, Mission Hospital — Laboratory Director: Jack Tarleton, Ph.D., FACMG

2013

Identification of novel mutations in the *CLCN1* gene leading to myotonia congenita.

Department of Epidemiology, UNC Chapel Hill Gillings School of Global Public Health — Principal Investigator: Carla Cerami Hand, M.D./Ph.D.

2010 - 2011

Determination of parasitemia in blood samples infected with *Plasmodium falciparum* and isolation of the non-erythropoietic, tissue-protective erythropoietin heteroreceptor.

EDUCATION

University of North Carolina at Chapel Hill, Chapel Hill, NC — Bachelor of Science in Biology

2011

Coursework in the Biology of Blood Diseases, Molecular Biology, Genetics, Organic Chemistry, Biochemistry, Ordinary Differential Equations, Mathematical Methods for the Physical Sciences.

CURRENT PROJECT

The Epidemiology of Intestinal Parasites — The Prevalence of Protozoal Infection in 100,000+ Clinical Fecal Samples, United States, United Kingdom, Northern Europe, Canada, Australia.

Genova Diagnostics, Asheville, NC, 2014-October 31, 2015.

More at <http://keenangraham.github.io>

SKILLS

Diagnostic parasitology

Code in Python and JavaScript

Bacterial culture and antibiotic sensitivity assays

MALDI-TOF mass spectrometry

Analytical biochemistry

Gel electrophoresis

Western blot

Affinity chromatography

PCR and DNA sequencing

Plasmid transformation

Microscopy

RESEARCH INTERESTS

Epidemiology

Data visualization

Neglected tropical diseases

COUNTRIES VISITED IN 2015

Singapore, China (Hong Kong), Japan, France, Seychelles, Madagascar, Iceland, Germany, United Kingdom, Cuba