

# Argus Pesqueda

Email: arpesqueda@gmail.com

## Education

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<b>University of Gothenburg, Gothenburg, Sweden</b> MSc. Biology	August 2016 – July 2018
<b>Humboldt State University, Arcata, CA</b> Biology, B.S. Psychology, Minor	August 2007 – December 2013
<b>De Anza College, Cupertino, CA</b>	August 2008 – December 2009

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## Research/Field Work Experience

### Field/Research Assistant

University of Gothenburg July 2018 – January 2019

**Subject:** Bacteriology/Soil Science

- Spent 20 consecutive days in the mountains of Abisko, Sweden performing further gas emission readings with the UGGA and microbial sampling for continued data gathering of previous year's data.
  - Gas emission readings of ITEX plots in Latnjajavre using the UGGA portable gas emissions analyzer, including CO<sub>2</sub>, N<sub>2</sub>O, and CH<sub>4</sub> greenhouse gasses.
  - Lab assistance in prepping for experiments and organization of data from field gatherings
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### Master's Program Field Work

University of Gothenburg

**Subject:** Ecophysiology/Bacteriology/Soil Science June 2017 – July/Oct. 2017

- Spent consecutive 56 days in the Abisko, Sweden region of mountains performing gas emission readings with the UGGA and microbial soil samplings of three different historical and potentially current permafrost soils.
  - Gas emission readings of ITEX plots in Latnjajavre using the UGGA portable gas emissions analyzer, including CO<sub>2</sub>, N<sub>2</sub>O, and CH<sub>4</sub> greenhouse gasses.
  - Microbial soil extraction for archaea, bacteria, and fungi and sequencing of DNA.
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### Biology Department Research Assistant

Humboldt State University

**Subject:** Bacteriology June 2011 – August 2012

**Lead Researchers:** Katie Vigil, Dr. Jianmin Zhong

- Assisted graduate student in PCR/Gel Electrophoresis analysis, analysis of genetic sequencing, and creating phylogenetic trees using the programs CodonCode Aligner and SeaView of a potential novel *Rickettsia* species found in *I. pacificus* ticks.

## General Field Skills

Helicopter – Safety, loading and unloading  
General/Common medical knowledge and practice  
General/Common field safety and knowledge  
Driver License – American/Californian

## Computer Skills

R (programming language) Adobe Photoshop  
Linux - Operating system  
USEARCH (bioinformatics pipeline)  
SeaView  
CodonCode Aligner

## Languages

- Native English
- Swedish
- Basic Spanish