Arn Rytter Jensen 

Curriculum Vitae

# Contact and Personal Details

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# Research

I am currently working on the phylogeny and evolution of Bengaliidae and Rhiniidae (Diptera). My interest is in systematics, phylogeny, evolution and biogeography. I am especially interested in insect’s evolution. I have worked with rove beetles (Coleoptera: Staphylinidae), using both molecular and morphology methods before. I have also done ecological research on parasitic barnacles and birds.

# Education

## PhD Student 2018 - current

**Double degree between Sapienza University of Rome and Natural History museum of Denmark**

Title of project: Phylogeny and evolution of Bengaliidae and Rhiniidae (Diptera): termite-driven diversification.

## MSc in Biology University of Copenhagen 2017

MSc thesis: Phylogenetic exploration of *Cafius gigas* (Coleoptera, Staphylinidae) an extinct rove beetle endemic to the remote Lord Howe Island.

Combining molecular methods and traditional morphology to reveal the phylogeny of an extinct beetle.

Relevant Modules: Entomology, Animal Morphology, Population Genetics, Evolution and Ancient DNA, Bioinformatics of High Throughput Analysis, Genomic Approaches for Non-Model Organisms, Experimental Design and Statistical Methods in Biology, Ecology.

## BSc in Biology University of Copenhagen 2013

Supplementary Research Project: Morphology and Ecology of the parasitic barnacle *Sacculina carcini*.

# Publications

Reid, C.A.M., Jenkins Shaw, J., **Jensen, A.R.**, 2017. The Australian Museum Lord Howe Island Expedition 2017—Coleoptera. Tech. Reports Aust. Museum online 26, 55–67. doi:10.3853/j.1835-4211.26.2017.1707

# Work History

## Research Assistant 2017

Laboratory work for DNAmark, a research project that aims to use environmental DNA to monitor biodiversity and aid in nature management. DNA extraction from soil, litter, deadwood, fresh wood and plant material. Field work for SoilTracker, using soil samples and eDNA in forensic Science.

## Field Assistant University of Copenhagen 2017

Field work for Biowide and DNAmark. Two big biodiversity projects in Denmark.

## Teacher BIG4 workshop Vienna 2017

Digital scientific illustration techniques (Adobe Photoshop and Adobe Illustrator).

## Laboratory Assistant Natural History Museum of Denmark 2015-16

Sorting insect to family level for Biowide, a large collaborative biodiversity project between Copenhagen University, Natural History Museum of Denmark, Aarhus University and Natural History Museum Aarhus.

## Teaching Assistant University of Copenhagen 2014-15

Evolutionary biology, assisting in teaching second year BSc Biology students.

## Laboratory Assistant Fish Ecological Laboratory ApS 2014

Sorting insect for Danish Stream Fauna Index (DVFI) used in assessing freshwater stream quality in Denmark.

# Skills

**Computing:** Geneious, Mesquite, GARLI, MrBayes, PartitionFinder2, R, QGIS, Microsoft Office Applications, Adobe Photoshop, Illustrator and InDesign. Basic Python.

**Language:** Fluent English, Native Danish, Intermediate Czech, Basic French.

# Fieldwork Experience

## Scientific expedition to the Apennines in Italy 2018

As part of my PhD, I participated in several collection trips to the central Apennines, lead by Dr. Pierfilippo Cerretti from Sapienza University of Rome. To obtain DNA grade material for the molecular analysis in the PhD project.

## Scientific expedition to Lord Howe Island (LHI), Australia 2017

As a part of my Masters project, collection trip to the remote Lord Howe Island. Together with Jenkins Shaw, PhD student from the University of Copenhagen and Dr. Chris Reid from the Australian Museum.

Colleting Coleoptera by hand collection, sifting, winkler extractors, pitfalls and flight intercept traps (FIT).

## Scientific expedition to Myanmar 2016

Assisted Josh Jenkins Shaw on a collection trip to Mogok, Northern Myanmar together with Dr. Harald Schilhammer and Dr. Adam Brunke from Natural History Museum Vienna.

## Bachelors Project in Ghana, West Africa 2013

As a part of my Bachelors on Project:” Effects of Anthropogenic Disturbances and Habitat Degradation on Long-distance Migrants in Africa: A Field Study.” Capture and radio tracking of three bird species and tree transect to asses’ habitat quality.

# Conferences, Talks and Meetings

## XI European Congress of Entomology. Napoli, Italy. 2018

Participating in the meeting.

## 33rd International Meeting on Systematics and Biology of Staphylinidae. Denmark 2018

Helping with the organization and participating in the meeting.

## 8TH Dresden Meeting Insect Phylogeny. Dresden, Germany 2017

Participating in the meeting.

## 32nd International Meeting on Systematics and Biology of Staphylinidae. Helsinki, Finland 2017

Presenting: “Phylogenetic exploration of *Cafius gigas,* endemic to the remote Lord Howe Island”.

## BIG4 workshop. Natural History Museum Vienna, Austria 2017

Morphology of Invertebrates - 3D Imaging and Novel Approaches for Biosystematics

Teaching “Digital scientific illustration techniques” and participating in the workshop.

## 18th Young Systematists’ Forum . Natural History Museum, London, UK 2016

Presenting: “Using modern systematics to explore an extinct rove beetle”.

## 31st International Meeting on Systematics and Biology of Staphylinidae. Brussels, Belgium 2016

Participating in the meeting.



21 August 2018 Arn Rytter Jensen