



# Gabriella Malmqvist

## CV

Born 19961208 Sweden

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Tjärnö Marine Laboratory

Laboratorievägen 10

452 96, Strömstad

## About me

- Ambitious, curious, and resourceful
- Master-degree in Biology and Marine science
- Experience with genetic data processing
- Experience with population genetic analysis
- Lab experience of DNA-extractions and 2B-RAD-library preparation
- Experience of long work in stereo microscope
- Experience in data processing and report writing from university education and employment at County Administrative Boards
- Extensive field work experience in aquatic environments (boat and wading)
- Experience of sampling with ROV
- Experience of equipment such as ADCP, CTD, plankton net, push net, and box corer
- Experience of outreach and work towards the public
- Experience with basic statistics
- Experience with Survey123 and ARCGIS Field maps
- Swedish, Native language
- English, Fluent

## Work experience 2019 – Present

**2023-09–Present Gothenburg university**, Department of Marine Sciences

PhD student in natural science specialising in biology

Supervisor: Erica Leder

Examiner: Kerstin Johannesson

Subject: Comparative evolution in *Littorina species*, molecular processes.

**2023-06–2023-09 The County Administrative Board of Dalarna**

Habitat mapping (ArcGIS Field maps) in Fulan. Freshwater pearl mussel *Margaritifera margaritifera* monitoring (Survey123 and ArcGIS Field maps). Standardised electrofishing in rivers in Dalarnas county (Team leader). Standardised test fishing with gillnets. Computerize and summarise Freshwater pearl mussel monitoring and test fishing using gillnets.

**2022-06–2022-08 The County Administrative Board of Dalarna**

Habitat mapping survey of rivers in preparation for restoration efforts (Collector). Participation in river restoration (manual and machine) in Älvdalen. Standardised electrofishing in rivers in Dalarnas county. Involved electrofishing on Fulufjället, deployed by helicopter.

**2022-01–2022-03 The County Administrative Board of Jönköping**

Evaluation of monitoring survey of Vätterns shallow water habitats using manual drag nets with focus on the species spined loach *Cobitis taenia* 2021, and presented results on an internal training event. Evaluation of standardised test fishing of limed lakes using gillnets 2020. Compiling restoration efforts of rivers and lakes between 1970-2010 in preparation of revision of the database ÅIV (Åtgärder i vatten).

**2021 SU, FA The County Administrative Board of Jönköping**

SU: Standardised test fishing using gillnets with otolith sampling (limed lakes). Freshwater pearl mussel *Margaritifera margaritifera* monitoring with aquascope. Evaluation of monitoring survey of river lamprey *Lampetra fluviatilis* 2020. Survey of trolling fishing and the effects of lures with vs without barbs in Vättern. Monitoring survey of Vätterns shallow water habitats using manual drag nets with focus on the species spined loach *Cobitis taenia*. FA: work with ÅIV (described above) and digitisation of data from survey with manual drag nets.

**2020 SU, FA, 2021 SP The County Administrative Board of Jönköping**

SU: Standardised test fishing using gillnets with otolith sampling (limed lakes and biodiversity monitoring in Vättern). Monitoring survey of Freshwater pearl mussel *Margaritifera margaritifera* by aquascope and snorkeling. Work with ÅIV (described above). FA: Work with ÅIV (described above). SP: Work with ÅIV (described above).

**SU 2019 Tjärnö Marine Laboratory**, Marine biologist

Outreach to the public. Aquarium: species knowledge, presentations, answering questions, cash registry, plan activities, etc.

Children's summer-lab: plan and arrange activities in lab/field to inspire children to explore the sea.



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## Programs etc

MATLAB	Intermediate
Microsoft office	Intermediate
R	Intermediate
LaTeX	Novice
Python	Novice
ArcGIS	Novice
QGIS	Novice
UNIX	Novice

## Certificates etc

Drivers licence AM/B 2015  
Electrofishing certificate 2022  
CPR 2015, 2014, 2013  
Youth Leader SISU 2012

## Free standing courses

Univariate analysis and linear algebra  
15 credits GU FA 2020  
To become a physicist  
7.5 credits GU FA 2020  
Mechanics A  
7.5 credits GU FA 2020  
Thermodynamics  
7.5 credits GU SP 2021  
Multivariate analysis  
7.5 credits GU SP 2021  
Marine biodiversity  
15 credits GU SP 2021

## Education

2021-09–2023-06 **Master of Science Degree** *University of Gothenburg*

M.Sc. Marine science and M.Sc. Biology

Title: *WHERE DID YOU COME FROM; WHERE DID YOU GO?*

*Intrareef genetic diversity of Lophleia pertusa in Skagerrak using 2B-RAD sequencing.* 45 credits. Passed with distinction (VG)

Supervisor: Docent Ricardo Pereyra, Department of Marine sciences

2017-09–2020-06 **Bachelor of Science Degree** *University of Gothenburg*

B.Sc. Marine science and B.Sc. Biology

Title: *BIOMASS IN SEDIMENT DWELLING MACRO FAUNA: Effects of change in preservation method, from formalin to ethanol.*

15 credits. Passed with distinction (VG)

Supervisor: Prof. Mats Lindegarth, Department of Marine sciences

## Boards and Committees 2020-Present

2023-12–Present **Department of Marine Sciences Committee for Third Cycle Education** *PhD representative*

Part of the committee with aim to develop and monitor strategies and visions for the faculty's third cycle education for the Department of Marine sciences at the University of Gothenburg.

2021-09–2023-06 **Academic Appointments Board** *Student representative*

Represented the students perspective in the process of recruitment and promotion regarding employments with a teaching role for the Faculty of Science at the University of Gothenburg.

2020-09–2021-06 **The Faculty Board** *Student representative*

Represented the students at the Faculty of Science at the University of Gothenburg perspective.

## Reports and interviews

### The County Administrative Board

Malmqvist, G. Rydberg, D. (2021). Flodnejonöga 2020 - Inventering i sju tillflöden till Vättern. Vätternvårdsförbundet rapport nr 144.

Länsstyrelsen Jönköpings län. [https://vattern.org/wp-content/uploads/Rapport144\\_Flodnejonoga2020\\_TGA.pdf](https://vattern.org/wp-content/uploads/Rapport144_Flodnejonoga2020_TGA.pdf)

Malmqvist, G. Johansson, K.M. Spjut, D. (2022). Inventering av Vätterns stradzon - Inriktning nissöga. Vätternvårdsförbundet rapport. Länsstyrelsen Jönköpings län. Not published.

### Newspaper

Schänger, K. (2023) Dött korallrev får liv igen. Svensk Fisknäring. Year 7. Nr1 2023 p.21. Interview of Malmqvist, G, regarding master thesis.

[https://issuu.com/billes/docs/svensk\\_fisknaring\\_nr1\\_2023](https://issuu.com/billes/docs/svensk_fisknaring_nr1_2023)

## Volunteer work

2019-09 **ICES Annual Science conference**

Helping with different tasks such as timekeeping and microphone handout during sessions. Partook in the conference during time off.