

# Tom J Langbehn

POSTDOCTORAL RESEARCH FELLOW, THEORETICAL ECOLOGY GROUP

Department of Biological Sciences, University of Bergen, Norway

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*I am a marine biologist, I use models that couple the environment, ecology & evolution to understand how processes at the individual level drive ecosystems*

## Education

### Research Fellow / Doctoral student (PhD)

Bergen, Norway

DEPARTMENT OF BIOLOGICAL SCIENCES, UNIVERSITY OF BERGEN

Feb 2016 - Mar 2019

- Dissertation title: "Modelling limits to northward range shifts of marine organisms under climate warming"
- Committee members: Prof. PhD Christian Jørgensen (University of Bergen), Prof. PhD Øyvind Fiksen (University of Bergen) and Associate Prof. PhD Øystein Varpe (University Centre in Svalbard).
- Opponents: Prof. PhD Michael T. Burrows (Scottish Association for Marine Science, UK), PhD Xabier Irigoien (AZTI, Spain)

### Graduate Programme Marine Biology (M.Sc.)

Bremen, Germany

FACULTY 2 BIOLOGY/CHEMISTRY, UNIVERSITY OF BREMEN

Oct 2013 - Oct 2015

- Thesis title: "Feeding success in an extreme light environment: modelling seasonal prey encounter of Arctic fish"
- Committee members: Prof. Dr. Wilhelm Hagen (University of Bremen) and Associate Prof. PhD Øystein Varpe (University Centre in Svalbard)
- Final grade: excellent

### International Degree Course in Environmental and Industrial Biology (B.Sc.)

Bremen, Germany

FACULTY 5 NATURE AND ENGINEERING, UNIVERSITY OF APPLIED SCIENCES BREMEN

Sep 2009 - Feb 2013

- Thesis title: "Morphological diversity in parr of Atlantic salmon (*Salmo salar* L.) in Iceland"
- Committee members: Prof. Dr. Heiko Brunken (University of Applied Sciences Bremen) and Prof. PhD Guðrún Marteinsdóttir (University of Iceland)
- Final grade: excellent

## Research Experience

### Postdoctoral Research Fellow

Bergen, Norway

THEORETICAL ECOLOGY GROUP, DEPARTMENT OF BIOLOGICAL SCIENCES, UNIVERSITY OF BERGEN

Sep 2019 - Present

- Project: "The fundamental role of mesopelagic fishes for the structure and change of Northeast Atlantic marine ecosystems", funded by the Research Council of Norway, #294819

### Researcher

Longyearbyen, Svalbard, Norway

ARVEN ETTER NANSEN (NANSEN LEGACY), UNIVERSITY CENTRE IN SVALBARD

Feb 2019 - Mar 2020

- Project: "The pelagic riskscape and consequences for zooplankton size along gradients of light and sea-ice in the Barents Sea"

### Research Assistant

Rostock, Germany

THUENEN INSTITUTE OF BALTIC SEA FISHERIES

Jul 2014 - Nov 2014

- Responsibility: net and acoustic sampling during the Rügen Herring larvae survey

### Freelance Ecological Consultant

Bremen, Germany

BUND, FRIENDS OF THE EARTH GERMANY

2012 - 2014

- Contracted to develop and evaluate nature friendly methods of ditch clearance in FFH sites of high importance for the aquatic fauna

### Freelance Ecological Consultant

Bremen, Germany

ECOSURV.HEIN - ANGEWANDTE FISCH- & GEWÄSSERÖKOLOGIE

2013

- Contracted to assist in electro fishing surveys

### Freelance Ecological Consultant

Bremen, Germany

ÖKOLOGIS UMWELTANALYSE + LANDSCHAFTSPLANUNG GMBH

2013

- Contracted to map selected breeding birds in the FFH-site Werderland

### Freelance Ecological Consultant

Husum, Germany

BIOCONSULT SH GMBH & Co. KG

2009 - 2011

- Contracted to assist in offshore maintenance of harbour porpoise detectors, seabird at sea counts, and radar image assessment for quantitative migratory bird counts used in environmental impact assessments

## National Park Warden

SCHUTZSTATION-WATTENMEER E.V., GERMANY

- In fulfillment of the German Civilian Service

Hörnum, Sylt, Germany

Oct 2008 - Jun 2009

## Teaching Experience

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### Teaching assistant – AB204 Arctic Ecology and Population Biology

UNIVERSITY CENTRE IN SVALBARD

- Supervised the integrated Teach2Learn module as part of bioCEED a Centre of Excellence in Biology Education

Longyearbyen, Svalbard, Norway

Sep 2016

### Teaching assistant – AB202 Marine Arctic Biology

UNIVERSITY CENTRE IN SVALBARD

- Responsible for seabird at sea census techniques and fisheries data sampling

Longyearbyen, Svalbard, Norway

May 2015

### Teaching assistant – Math preparation course for BSc students

UNIVERSITY OF APPLIED SCIENCES BREMEN

Bremen, Germany

Oct 2010

### Guest lecturer – AB338 Life History Adaptations to Seasonality

UNIVERSITY CENTRE IN SVALBARD

- Lecture on “Climate-driven range shifts and life history adaptations to seasonality”

Longyearbyen, Svalbard, Norway

Jun 2018

### Guest lecturer – SDG214 Life below water

UNIVERSITY OF BERGEN

- Lecture on “How to design better scientific figures and posters”

Bergen Norway

May 2019

### Guest lecturer – BIO241 Behavioural Ecology

UNIVERSITY OF BERGEN

- Lecture on “How to design better scientific figures and posters”

Bergen Norway

May 2019

### Guest lecturer – BIO300A Academic writing

UNIVERSITY OF BERGEN

- Lecture on “Visual storytelling”

Bergen Norway

Nov 2020

## Awards and Honors

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### Best Presentation Award

ICES ANNUAL SCIENCE CONFERENCE 2019

Hamburg, Germany

2019

### Student Choice and Special Mention Poster Award

IMBER CLIMECO5 SUMMER SCHOOL

Natal, Brazil

2016

### Best Poster Award

YOUMARES 7 CONFERENCE, GERMAN SOCIETY FOR MARINE RESEARCH

Hamburg, Germany

2016

### MARUM Research Award for Marine Science

MARUM CENTER FOR MARINE ENVIRONMENTAL SCIENCE

- awarded in recognition of an outstanding Masters

Bremen, Germany

2015

### Best Speaker Award

YOUMARES 6 CONFERENCE, GERMAN SOCIETY FOR MARINE RESEARCH

Bremen, Germany

2015

### Best Student Poster

FISHERIES ECOLOGY SUMMER SCHOOL, UNIVERSITY OF ICELAND

Reykjavík, Iceland

2011