

# 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: "Light and visual foraging in the pelagic: Opportunities and constraints along gradients of seasonality"
- 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

## Working Experience

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### Svalbard Wildlife Expeditions AS

FREELANCE TOUR GUIDE

- Guided tours on the history and wildlife of Svalbard

Longyearbyen, Svalbard, Norway

May - Jul 2015

## Academic mobility

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\*only stays longer than two month are listed

### PhD research secondment

CENTRE FOR OCEAN LIFE, NATIONAL INSTITUTE OF AQUATIC RESOURCES, TECHNICAL UNIVERSITY OF DENMARK

- 2 month
- Project: "Can a food systems approach redefine ecosystem-based fisheries management?"
- Visiting Ken H. Andersen

Copenhagen, Denmark

Nov - Oct 2017

### Guest Master student

DEPARTMENT OF ARCTIC BIOLOGY, UNIVERSITY CENTRE IN SVALBARD

- 8 month
- Project: "Feeding success in an extreme light environment: modelling seasonal prey encounter of Arctic fish"
- Visiting Øystein Varpe

Longyearbyen, Svalbard, Norway

Mar - Oct 2015

### Undergraduate research semester abroad

MARINE ACADEMIC RESEARCH IN ICELAND (MARICE), INSTITUTE OF BIOLOGY, UNIVERSITY OF ICELAND

- 5 month
- Project: "Impact of climate change on processes that influence survival of Atlantic cod eggs and larvae in Icelandic waters"
- Visiting Guðrún Marteinsdóttir

Reykjavík, Iceland

Jan - May 2012

### Graduate Marine and Fisheries Sciences Summer Programme

INSTITUTE OF BIOLOGY, UNIVERSITY OF ICELAND

- 3 month
- Courses: "Data Analysis for Scientists using R", "Fisheries Ecology" and "Marine Mammals"
- Final grade: First class with distinction

Reykjavík, Iceland

May - Jul 2012

### Graduate Course Ecosystem-based Management of Arctic Marine Systems

DEPARTMENT OF ARCTIC BIOLOGY, UNIVERSITY CENTRE IN SVALBARD

- 2 month
- Final grade: Excellent

Longyearbyen, Svalbard, Norway

Aug - Sep 2014

### Undergraduate study semester abroad

INLAND NORWAY UNIVERSITY OF APPLIED SCIENCES

- 5 month
- International Degree Course Ecology and Conservation
- Courses: "Evolution", "Conservation Biology", "Population Dynamics" and "Practice in Wildlife Research"
- Final grade: Excellent

Evenstad, Norway

Aug - Dec 2011

## 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*