CURRICULUM VITAE

Personal Details

Name:	Katja Metfies; née Kerkmann
Date of Birth:	28.06.1973 in Rehren
Family Status:	• married to Matthias Metfies, engineer • one daughter, Nele Metfies (*19.04.2005)
Nationality:	German

Education

1978 – 1983	Grundschule Auetal, Rehren
1983 – 1985	Orientierungsstufe, Obernkirchen
1985 – 1992	Gymnasium Ernestinum, Rinteln
1992 – 1997	Studies of Biology (Diplom) at the University of Osnabrück and Hannover
1996 – 1997	Final year project at the Max Planck Institute for Plant Breeding Research, Cologne; title of the diploma thesis: „Die physiologische Rolle einer Phospholipase D in der trockentoleranten Pflanze *Craterostigma plantagineum*“
1997 – 2000	Doctoral studies at the University of Cologne and the Max Delbrück laboratory in the Max Planck Society, title of the doctoral thesis: „Die genomweite Expressionsanalyse von Deletionsmutanten der Gene CDC73 und NHP6 A/B in der Hefe *S. cerevisiae“*

International Experience

08/1999 – 04/2000	DAAD research fellowship in the laboratory of Prof. Richard Young at the Whitehead Institute for Biomedical Research, Cambridge (USA)

Professional Experience

11/2000 – 07/2001	PostDoc at the University of Bremen, department of Molecular Genetics
08/2001 – 04/2007	PostDoc at the Alfred Wegener Institute for Polar- and Marine Research, Bremerhaven, department of Biological Oceanography
09/2007 – present	PostDoc, GKSS Research Centre Geesthacht, Institute for Coastal Research

Teaching Experience

- WS 2000 — Supervision practical course on PCR-applications, University of Bremen

- 03/2005 — Supervision, conception and organization of the international training course: “Microarrays for the Identification of Marine Algae”, Bremerhaven

- SS 2006, SS 2007, SS 2008 — Hochschule Bremerhaven, Lectureship „Biodiversität“

- Supervision of Diploma- and Doctoral theses at the Alfred Wegener Institute for Polar- und Marine Research

Doctoral theses

1. *Jessica Kegel* (Elucidating Mechanisms of Virus Infection of *Emiliania huxleyi;* 2005-present)

2. *Christine Gescher* (The Phytoplankton Chip – Development and assessment of a DNA-microarray as a reliable tool for monitoring of phytoplankton; 2004-2007)

3. *Sonja Diercks* (Development and evaluation of rapid and semi-automated devices for the detection of toxic algae; 2004-2007)

Diploma theses

1. *Jan Strauß* (Development of an expression vector construct for the marine microalga *Emiliania huxleyi*; 2007-2008)

2. *Wiebke Bielenberg* (Die Genexpression von *Laminaria saccharina* unter Licht und Temperaturstress; 2005-2006)

3. *Kasia Wojciechowska* (Assessing Cryptophyceae Diversity by Sequencing 18S rDNA clone libraries, 2005-2006)

4. *Sandra Rabold* (Optimisation of the Tyramide Signal Amplification protocol of the signal enhancement in DNA microarrays as a mean to evaluate picoplankton diversity in marine environment; 2003-2004)

5. *Sonja Diercks* (Development and Adaptation of Species Level Probes for the toxic Algae *Alexandrium minutum* and *Pseudo-nitzschia multiseries* for the use in a Hand Held Device; 2003)

6. *Susanne Huljic* (Development of a species level probe for the Dinoflagellate Alexandrium ostenfeldii using electrochemical detection in a hand held DNA microchip reader; 2002 -2003)

Third party funding

Raising of funds in the EU-Network of Excellence Marine Genomics

- 40.000 € for the project „Elucidating Genetic Variation and Mechanisms of Virus Infection of *Emiliania huxleyi* Via Genomic Approaches"

- 10.000 € for the project "Elucidating the function of genes expressed during viral infection in *Emiliania huxleyi* and EhV 86"

Substantial contribution to the application of the EU-grants ALGADEC and FISH & CHIPS (FP6)

Awards

DAAD-grant to support the stay at the Whitehead Institute for Biomedical Research (1999)