

Curriculum Vitae – PD. Dr. rer nat. Jacek Raddatz

Personal Data

Date of Birth 08th May 1981
Place of Birth Leer (Ostfriesland), Germany
Nationality German
Marital Status Married, two daughters

Appointments

since 04/2015	Scientific Employee (Qualifikationstelle Habil.) in the group of Prof. Dr. Voigt, Lab-Manager ICP-OES , Institute of Geosciences, Goethe-University Frankfurt, Frankfurt am Main, Germany
11/2012 – 03/2015	Postdoc (BMBF project Manihiki II) in the group of Prof. Dr. Nürnberg, GEOMAR Helmholtz Centre for Ocean Research, Kiel, Germany
01/2012 – 10/2012	Postdoc in self designed research project (ECHO RA 2156 1/1) within the DFG SPP IODP/ICDP framework, in the group of Prof. Dr. Martin Frank, GEOMAR Helmholtz Centre for Ocean Research, Kiel, Germany
06/2008 – 12/2011	Research Assistant (PhD student) in the group of Prof. Dr. Dullo (and Prof. Dr. Eisenhauer), GEOMAR Helmholtz Centre for Ocean Research, Kiel, Germany

Professional Preparation

10/2019	Habilitation , venia legendi in Geology, thesis entitled: "Marine biogenic carbonates as geochemical archives to understand past ocean circulation, chemistry, and ecosystems dynamics"
01/2012	PhD at GEOMAR/University of Kiel, Germany, Title: "Origin, growth and demise of the cold-water coral mound Challenger, IODP Site 1317", Dr. rer. nat. awarded; grade: magna cum laude
10/2002 – 04/2008	Studies in Physical Geography (Physics and Ecology), University of Osnabrück, Germany Diploma thesis (very good): "High-resolution records of organic carbon, carbonate and magnetic susceptibility from IODP Site U1314 (Gardar Drift): Implications for short-term (sub-Milankovitch) variability of paleoenvironment in the North Atlantic between 300 and 700ka", carried out at the Alfred-Wegener-Institute Helmholtz Centre for Polar and Marine Research, Bremerhaven Supervisors: Prof. Dr. Härtling (Osnabrück) and Prof. Dr. Stein (AWI)
07/2002	A-Levels (Abitur) , Gesamtschule Schinkel in Osnabrück, Germany

Seagoing Expeditions

Submitted

RV SONNE, Indian Ocean/Maldives as Chief Scientist (submitted 31.08.2020)
EUROFLEETS as Co-PI, Reykjanes Ridge/ Iceland with the RV SARS (Norway)

Upcoming

SO287, New Zealand, January 2022
M167, Eastern Mediterranean Sea, October 2020 postponed due to COVID-19
SO275, Mozambique Channel, June 2020 postponed due to COVID-19

Past

M151, RV METEOR: Ponta Del Garda, Azores (Portugal) - Funchal, Madeira (Portugal, October 2018)
MSM55, RV MARIA S. MERIAN: Reykiavik (Iceland) - Longyearbean, Svaldbard (Norway, June 2016)
M125, RV METEOR: Rio de Janeiro (Brazil) - Fortaleza (Brazil, March - April 2016)
POS457, RV POSEIDON: Reykjavik (Island) - Galway (Ireland, August 2013)
SO225, RV SONNE: Suva (Fidji) - Manihiki Plateau - Auckland (New Zealand, November 2012 - January 2013)
POS408/3, RV POSEIDON: Jeddah - Jeddah (Saudi Arabia, February - March 2011)
M80/3, RV METEOR: Dakar (Senegal) - Las Palmas (Spain, December 2009 - February 2010)
POS391, RV POSEIDON: Bremerhaven - Northern Norway - Kiel (Germany, September 2009)
TTR-17/3, RV PROF. LOGACHEV: Bergen - Tromsö (Norway, July 2008)

Reviewer Activities

Journals

Earth and Planetary Science Letters, Quaternary Science Reviews, Marine Geology, Geochimica et Cosmochimica Acta, Chemical Geology, Marine Chemistry, Palaeoceanography & Paleoclimatology, Climate of the Past, Marine Geology, Geo-Marine Letters, Journal of Geophysical Research (Biogeosciences), Deep-Sea Research I+II, Bulletin of Marine Sciences, International Journal of Geosciences,

Funding Agencies

National Science Foundation (NSF, USA), Royal Society (United Kingdom), Centre for International Cooperation & Mobility (Austria)

Convenor Activities

GeoMünster2019: "Archives of environmental changes throughout Earth history: bio- and authigenic mineralization to paleoenvironmental reconstruction", Teichert, B., Heimhofer, U., **Raddatz, J.**, Gussone, N., Böttcher, M. and "Advances in geochronology from modern to deep time", **Raddatz, J.** and Linnemann, U.

GeoBonn 2018: "Oceanic oxygen, ice-ocean interaction, and climate change", **Raddatz, J.** and Weber, M.

GeoFrankfurt 2014: "The oceans carbonate system recorded in marine carbonates", **Raddatz, J.**, Rüggeberg, A. and Bijma J.; Invited Keynote: Prof. Dr. Bärbel Hönisch, Lamont-Doherty Earth Observatory, USA.

Memberships

DGGV – Deutsche Geologische Gesellschaft – Geologische Vereinigung e.V.
PalGel – Paläontologische Gesellschaft e.V.
DEQUA – Deutsche Quartärvereinigung e.V.
FIERCE – Frankfurt Isotope and Element Research Centre

External Research Funding

Research Grants as PI

Since 2020

LOEWE –Project: "VeWA – *Vergangene Warmzeiten als natürliche Analoge unserer „hoch-CO₂“-Klimazukunft*. Lead: Institute of Geosciences Goethe-University, Prof. Müller, Partner: Senckenberg Gesellschaft für Naturforschung; Total Amount: 3.770.101 Euro, funded by the Ministry of Science and Art (Hessen), Subproject A6:" Atmospheric circulation patterns recorded in geochemical signatures of mid-latitudes marine bivalves". <https://www.vewa-project.de/>

(216.000 €)

2018-2021

DFG (Normalverfahren: Project RA 2156/5): RISE - High-resolution records of environmental change in cold-water coral reefs: geochemical evidence recorded in the skeleton of the marine bivalve *Acesta excavata* “.

(232.000 € + 14.000 €)

2012-2013

DFG (SPP IODP/ICDP: Project RA 2156/1-1: "Eigene Stelle"): ECHO - *Intermediate water mass history at a cold-water coral habitat in the North Atlantic: Geochemical signals from IODP Site U1317*“

(80.000 €)

Total Amount:

542.000€

Research Grants as Co-PI / Associated Partner

2018-2022

Swiss National Science Foundation grant Ref. 200021_175587 "Unconventional carbonate factories in the Eastern Mediterranean: cold water coral ecosystems and seeps", PI: Dr. Silvia Spezzaferri, Co-PI: Prof. Anneleen Foubert, (CHF 776,918.-)

2016-2020

Swiss National Science Foundation grant Ref. 200021_165852 "Foraminifera and carbonates as archives of sea level changes: The Maldives and IODP Expedition 359", PI: Dr. Silvia Spezzaferri, (CHF 438,150.-)

2015-2016

EUROFLEETS2 Ship time Proposal "Seafloor methane seeps, carbonate buildups and deep-sea corals in an oligotrophic marginal sea – the case of the southeast Mediterranean offshore Israel" for Call "Regional 3", Grant Agreement ID 312762, funded by European Union FP7 Programme, PI: Dr. Yizhaq Makovsky, Dr. Andres Rüggeberg (€ 200,000.-)

Awards/Travel Stipends

Goethe University Frankfurt Grant Focus Line 2017 (4.000 €)

Welcome-Foundation 2017 (500 €)

European Science Foundation 2009 (1.500 €)

Supervision

Total supervisions of 9 BSc-thesis and 8 Master-thesis and two current PhD-Projects (Only as 1. Supervisor and Project PI)

Teaching Experience

Lectures

<i>Quaternary (Climate) Geology (2 SWS, MSc)</i>	<i>since 2015</i>
<i>Methods in Analytical Geochemistry (Ring-Lecture):</i>	
<i>Part Inductively-Coupled-Plasma Optical Emission Spectroscopy (3 hrs, BSc)</i>	<i>since 2015</i>
<i>System Earth: Part Sedimentology (Ring-Lecture) (3 SWS, BSc)</i>	<i>only 2017</i>

Seminars

<i>Methods in Palaeoceanography (2 SWS, MSc)</i>	<i>since 2015</i>
<i>Sedimentology (2 SWS, BSc and MSc)</i>	<i>since 2018</i>
<i>Coastal Sedimentary Geology (2SWS, BSc and MSc, together with Prof. Voigt)</i>	<i>since 2019</i>
<i>Biominerals as Climate Archives</i>	<i>since 2020</i>

Software Courses

<i>Ocean Data View (2 SWS, MSc)</i>	<i>only 2018 and 2019</i>
-------------------------------------	---------------------------

Lab Courses

<i>Methods in Sedimentology (5 days, 2 SWS, BSc)</i>	<i>since 2015</i>
<i>ICP-OES (2-day course including sample preparation and measuring, BSc)</i>	<i>since 2015</i>

Excursions

<i>(Actu)Palentological/Sedimentological field course: North Sea / Waddensea (5-7 days, including 1-2 days on-board FS Senckenberg, BSc and MSc)</i>	<i>since 2017</i>
--	-------------------