

Curriculum vitae

Prof. Dr. Gerhard Scholtz
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Degrees:

Diplom (Biology) 1982, Freie Universität Berlin
Doctoral Degree (Dr. rer. nat.) 1986, Universität Bremen
Habilitation (Biologie) 1993, Freie Universität Berlin

Positions:

Professor 1995-present: Humboldt-Universität zu Berlin Institut für Biologie/Vergleichende Zoologie (Comparative Zoology)
Associate Professor (Hochschulassistent) 1986-1995: Freie Universität Berlin Fachbereich Biologie, Institut für Zoologie
Research Associate (Wissenschaftlicher Mitarbeiter) 1982-1986: Universität Bremen Fachbereich Biologie/Chemie, Spezielle Zoologie der Wirbellosen (Invertebrate Systematics)

Editorial Service:

Books and Special Issues

Seminars in Cell and Developmental Biology: guest editor "Cell Lineage and Cell Fate in Animals" 1997

Evolutionary Developmental Biology of Crustacea: editor 2004

Development Genes and Evolution: guest editor (with Jean Deutsch) "Development and Phylogeny of Arthropods" 2006

Bildwelten des Wissens: editor (with Matthias Bruhn) Bd 9.2. „Morphologien“ 2013

Zoologischer Anzeiger: guest editor “Proceedings of the 3rd International Congress of Invertebrate Morphology (ICIM 3)” 2015

Freshwater Crayfish - A Global Overview: editor (with Tadashi Kawai and Zen Faulkes) 2016

Journals

Arthropod Structure and Development: associate editor since 1999

Bionomina: editorial board since 2010

Development Genes and Evolution: editorial board since 2005

EvoDevo: editorial board since 2010

Evolutionary Biology: editorial board since 2006

Journal of Crustacean Biology: associate editor from 2005 - 2015

Zoomorphology: associate editor since 2003

Professional Memberships:

Crustacean Society

Deutsche Zoologische Gesellschaft

Deutsche Gesellschaft für Geschichte und Theorie der Biologie

Gesellschaft Naturforschender Freunde zu Berlin

Fördererkreis der naturwissenschaftlichen Museen Berlins

International Society for Invertebrate Morphology

Professional Activities:

University of New South Wales: Visiting Fellowship 1990

University of New South Wales: Visiting Fellowship 1993

University of Canterbury, Christchurch: Visiting „Erskine-Fellowship“ 1995

Kristineberg Marine Station: Visiting Investigator 1999

Kristineberg Marine Station: Visiting Investigator 2001

Friday Harbor Laboratories: Visiting Investigator 2001

Honors and Awards:

The Crustacean Society Excellence in Research Award (2011)

President of the International Society of Invertebrate Morphology (2014 – present)

Chairman of the board of the Fördererkreis der naturwissenschaftlichen Museen Berlins (Association to support natural history museums in Berlin) (1998 – present)

Vice-Chairman of the board of the Gesellschaft naturforschender Freunde zu Berlin (gegr. 1773) (Berlin Society for Natural History) (2012 – present)

Member of the board of the Gesellschaft für Biologische Systematik (German Systematic Association) (1999 – 2001)

Member of the advisory board (Beirat) Stiftung Stadtmuseum Berlin (2002-2008)

Member of the Helmholtz-Zentrum für Kulturtechnik (2015 – present)

Professional service

Director of the Zoological teaching collection of the department of biology (1995 – present)

Head (Director) of the department of biology (Humboldt-Universität) 2002 - 2004

Vice Head (Director) of the department of biology (Humboldt-Universität) 2004-2006

Chairman of the committee for the organization of teaching at the department of biology (2006 – 2010)

Member of the committee for the organization of teaching at the department of biology (2010 – 2016)

Founding member and member of the executive board of the cluster of excellence Image Knowledge Gestaltung (2012 – 2016)

Grants:

Numerous grants from the DFG (German research council) including participation in the priority programs “Evolution of Developmental Mechanisms” (1998 - 2006) and “Deep Metazoan Phylogeny” (2005 - 2012).

Grant from the European Union (Marie Curie Early stage training): “MOLMORPH” (2005-2012).

Principal investigator in the Cluster of Excellence “Image Knowledge Gestaltung – An Interdisciplinary Laboratory” (2012 – present)

Einstein Foundation, Berlin: Axis formation in arthropods (collaboration with Prof. Ariel Chipman Hebrew University, Jerusalem (2013 – present)

Research Interests:

Arthropod origin, phylogeny, and evolution

Crustacean biology

Developmental biology of arthropods, phylogenetic and evolutionary implications of developmental patterns (cell lineage, gene expression, morphogenesis).

Evolution and phylogeny of decapod crustaceans

Biology of freshwater crayfish

Cladistic analyses using developmental, morphological and molecular data

Metazoan evolution

Interdisciplinary approaches to the analysis of animal forms and structures and their perception

Field Work:

Australia, USA, France, New Zealand, Germany, Sweden, Spain

Courses taught:

General Zoology, Comparative Invertebrate Morphology and Phylogeny, Crustacean Biology, Marine Biology, Principles of Phylogenetic Reconstruction, Evolutionary Developmental Biology, Relationships of Fossil and Recent Animals

Meetings and exhibitions

Invited speaker numerous international and national meetings (eg. DZG, ICIM, ICC, Phylogenetisches Symposium, IZC, European EvoDevo etc.)

Organization and co-organization of a number of national and international meetings and workshops (e.g. Crustaceologentagung 1999, DZG 2003, Deep Metazoan Phylogeny 2008, Sichtbare Form 2010, ICIM 3 2014, Vergleichendes Sehen 2015, Jahrestagung Cluster BWG 2015, Serie & Serialität 2015)

Design of display of the Zoologischen Lehrsammlung (zoological teaching collection) bei der Ausstellung „Theatrum naturae et artis“ 2000/2001 (Gropius Museum, Berlin)

Modelltiere-Tiermodelle Auf dem Weg zum Humboldt-Forum. Foyer of the Humboldt-Universität (collaboration with Helmholtz-Zentrum für Kulturtechnik)

Co-organisation of the Exhibition „Weltwissen“ 2010/2011 Gropius Museum, room teaching and display on the research project „Marmorkrebs“

Exhibition „Die Ästhetik des Kleinen“ Bilder von historischen Mikropräparaten der Zoologischen Lehrsammlung 2011, Humboldt-Universität zu Berlin

Exhibition „Die Ästhetik des Kleinen“ 2011/2012, Phyletisches Museum, Jena

Research Field and Topics

Animal Phylogeny and Evolution, Morphology, Evolutionary Developmental Biology