

# Curriculum Vitae

Nadia Belinda Fröbisch

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## Personal Information

*Name:* Nadia Belinda Fröbisch  
*Maiden name:* Stöcker  
*Birth date:* December 30th, 1976  
*Birthplace:* Bonn, Germany  
*Marital status:* Married since June 17th, 2006  
*Nationality:* German

## Education

<i>1983-1986</i>	Grundschule (Primary school) Körnerstraße, Gummersbach, Germany
<i>1987-1996</i>	Gymnasium (High school) Moltkestraße Gummersbach
<i>June 1996</i>	Abitur (High school diploma) at the Gymnasium Moltkestraße Gummersbach
<i>April 1999</i>	Vordiplom (B.Sc. equivalent) in Geology/Paleontology at the Rheinische Friedrich-Wilhelms-University Bonn, Germany
<i>September 1999-April 2000</i>	Two semesters as a visiting student at the University of Calgary, Canada
<i>August 2003</i>	Diploma (M.Sc. equivalent) in Geology/Paleontology at the Rheinische Friedrich-Wilhelms-University Bonn, Germany
<i>Since September 2003</i>	PhD student at McGill University, Montreal, Canada
<i>Since December 2004</i>	PhD Candidate at McGill University, Montreal, Canada

## Academic Grants and Awards

- Sept.1999-Apr.2000* Full scholarship of the DAAD (German Academic Exchange Service) for two semesters at the University of Calgary
- Summer 2002* Student bursary of the Royal Tyrrell Museum of Paleontology, Drumheller, Alberta, Canada
- Fall 2002* Research grant of the „Frauenförderung“, Rheinische Friedrich-Wilhelms-University Bonn for research visits at the collections of the Paleontological Museum, University of California, Berkeley and the Field Museum, Chicago
- September 2003* McGill Graduate Student Fellowship (5000 Can\$)
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- September 2005* McGill Graduate Student Fellowship (5000 Can\$)
- May 2005* Samuel P. and Doris Welles Research Fund of the Paleontological Museum, University of California, Berkeley
- October 2005* GTC travel award, Department of Biology, McGill University
- April 2006* International Student Differential Fee Waiver, Department of Biology, McGill University
- October 16<sup>th</sup>, 2006* T.E. Bolton Award for best student presentation at the 16<sup>th</sup> Canadian Paleontology Conference for the talk entitled “ Metamorphosis and neoteny – alternative pathways in the life history of branchiosaurids (Temnospondyli)
- October 21<sup>st</sup>, 2006* Alfred Sherwood Romer Prize of the Society of Vertebrate Paleontology for best student presentation (Presentation title: “The evolution of preaxial dominance in tetrapod limb development”)
- March, 2007* Delise Allison Graduate Student Development Award to attend the 8th International Congress of Vertebrate Morphology (ICVM), Paris July 2007

## Scientific Works

### ***Diploma thesis part I (Diploma mapping):***

Geologische Kartierung und tektonische Interpretation des Lüner See Gebietes, Nördliche Kalkalpen (Österreich und Schweiz). (Geological mapping and tectonical interpretation of the Lüner Lake area, Northern Calcareous Alps (Austria and Switzerland))

**Diploma thesis part II (Paleontological thesis):**

A large ichthyosaur (*Cymbospondylus* sp. nov.) from the Middle Triassic of Nevada and its importance for the genus *Cymbospondylus* [in English]

**Non-peer-reviewed Publications**

FRÖBISCH, J. & STÖCKER, N. B. (2001). Das Felslitoral und seine Lebensräume. *Contributions from the Department of Paleontology, Bonn*. 1(1): 1-21.

**Peer-reviewed Publications**

FRÖBISCH, N. B., CARROLL R. L. & SCHOCH, R. R. (2007). Limb ossification in the Paleozoic branchiosaurid *Apateon* (Temnospondyli) and the early evolution of preaxial dominance in tetrapod limb development. *Evolution & Development* 9(1): 69-75.

FRÖBISCH, N. B. & FRÖBISCH, J. (2006). A new basal pterosaur genus from the Upper Triassic of the Northern Calcareous Alps of Switzerland. *Palaeontology* 49:1081-1090.

FRÖBISCH, N. B.; SANDER, P.M. & RIEPPEL, O. (2006). A new species of *Cymbospondylus* (Diapsida, Ichthyosauria) from the Middle Triassic of Nevada and a re-evaluation of the skull osteology of the genus. *Zoological Journal of the Linnean Society* 147: 515-538.

SCHOCH, R. R. & FRÖBISCH, N. B. (2006). Metamorphosis and neoteny: alternative pathways in an extinct amphibian clade. *Evolution* 60 (7): 1467-1475.

**Published Abstracts of Conference Presentations** (\*INDICATES PRESENTER)

STÖCKER, N.\* (2003). A new species of *Cymbospondylus* (Reptilia, Ichthyosauria) from the Middle Triassic of Nevada and its implications for the skull osteology of this genus. *Journal of Vertebrate Paleontology*, 23 (3) suppl.: 53A

STÖCKER, N. B.\* & FRÖBISCH, J.\* (2004). A lower jaw from the Rhaetian of the Northern Calcareous Alps of Switzerland representing a possible new taxon of eudimorphodontid pterosaur. *Journal of Vertebrate Paleontology*, 24 (3) suppl.: 118A.

SCHOCH, R. R. & STÖCKER, N. B.\* (2005). Metamorphosis in branchiosaurids: patterns and implications. *Paleobios* 25 (2):104-105.

STÖCKER, N.\* (2006). The evolution of preaxial dominance in tetrapod limb development – new insights from the interface of developmental biology and palaeontology. *Third Annual Interdisciplinary Graduate Student Research Symposium*. McGill University, March 16<sup>th</sup>-17<sup>th</sup>, 2006, Montreal, Canada.

FRÖBISCH, N. B.\* & SCHOCH, R. R. (2006). Metamorphosis and Neoteny – alternative pathways in the life history of branchiosaurids (Temnospondyli). *Hantkeniana* 5: 87. 4<sup>th</sup> Annual meeting of the European Association of Vertebrate Paleontologists, July 10-15, 2006, Budapest (Hungary).

**FRÖBISCH, N. B. \*** (2006). The evolution of preaxial dominance in tetrapod limb development. *Journal of Vertebrate Paleontology*, 26 (3) suppl.: 64A.

**FRÖBISCH, N. B. \*** & **SCHOCH, R. R.** (2006). Metamorphosis and Neoteny – alternative pathways in the life history of branchiosaurids (Temnosponyli). *Canadian Paleontology Conference Proceedings*, 4:19-20.

## Invited Talks and Guest Lectures

- March 2004*                      Guest lecture in the course Vertebrate Evolution (Biol 352) at McGill University: “The evolution and diversity of marine reptiles”
- April 2006*                      Guest lecture in the course Vertebrate Evolution (Biol 352) at McGill University: “The evolution of amphibians”
- July 2007*                      Symposium: The Ancestry of Modern Amphibians. 8<sup>th</sup> International Congress of Vertebrate Morphology, Paris (France).  
“The evolution of preaxial dominance in tetrapod limb development and implications for the relationships of modern amphibians”

## Media Appearance

Stokstad, E. 2006. Snapshots from the meeting - Amphibian development. *Science* 314: 921.

## Work Experience

- Spring 2000*                      Volunteer at the Royal Tyrrell Museum of Paleontology, Drumheller, Canada
- July/Aug. 2003*                      Internship at the Museum for Natural History Stuttgart, Germany
- October 2000-  
Mai 2003*                      Research assistant of Dr. Martin Sander at the Department of Paleontology of the Rheinische Friedrich-Wilhelms-University Bonn (Inventory and organization of the collection, providing help for visiting researchers during collection visits, public relations for the Goldfuß-Museum for Paleontology)
- January – April 2004*              Teaching assistant for the course Vertebrate Evolution (Biol 352)  
Taught by Prof. H. Larsson, McGill University
- January – April 2005*              Teaching assistant for the course Animal diversity (Biol 305)  
Taught by Prof. G. Bell, McGill University

*September – December 2005* Teaching assistant for the course Evolution (Biol 354)  
 Taught by Prof. A. Hendry and Prof H. Larsson, McGill University

*January –April 2006* Teaching assistant for the course Vertebrate Evolution (Biol 352)  
 Taught by Prof. H. Larsson, McGill University

*September – December 2006* Teaching assistant for the course Evolution (Biol 354)  
 Taught by Prof. A. Hendry and Prof H. Larsson, McGill University

*January – April 2007* Teaching assistant for the course Animal diversity (Biol 305)  
 Taught by Prof. G. Bell, McGill University

### Biological, Paleontological & Geological Field Experience (Field Trips, Mappings, Excavations)

*March 1998* Geological mapping in the Rhenish Massif of Germany

*June 1998* Vertebrate paleontological excursion in the Alps of Austria, Switzerland and Italy

*July 1998* Vertebrate paleontological excavations in a cave of the Italian Alps with the Institute of Paleontology Vienna

*October 1998* Geological mapping in the area of Bizau/Bezau, Carnic Alps, Austria

*June 1999* Vertebrate paleontological field trip to southern Germany

*July 1999* Sedimentological field trip to the Pyrenees of France and Spain

*July-Aug. 2001* Diploma mapping in the Northern Calcareous Alps of Austria and Switzerland

*Sept. 2001* Biological and paleontological Scuba diving excursion to Elba, Italy

*July 2002* Field trip to important fossil vertebrate localities in the Middle West of the USA (WY, CO, SD, UT)

*Aug. 2002* Vertebrate Paleontological Excavations with the Royal Tyrrell Museum of Paleontology in the Cretaceous of the Red Deer River Valley, Alberta, Canada

*May 2006* Excavation and prospection in the Middle Triassic marine sediments of the Augusta Mountains, Nevada (USA)

## Memberships in Scientific Associations

Society of Vertebrate Paleontology (since 1997)

Paläontologische Gesellschaft (since 2000)

Canadian Society of Zoologists (since 2007)

International Society of Vertebrate Morphology (since 2007)

## Languages

*German:* Mother language

*English:* fluent (9 years of education in high school, regular use)

*French:* 2 years of education in high school

*Latin:* 4 ½ years of education in high school (Latinum)