

Ashley E. Latimer

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About

Ashley Latimer is a stop motion animator with a PhD in vertebrate paleontology. Her animation specialty is scientific outreach. She is a multinational fluent in French and English.

FILMOGRAPHY

Stars of Stone (2021)

Rook finds a mysterious fossil and follows the trail, learning about the weird animals called crinoids.

EDUCATION

2014-2018 **PhD** Evolutionary Biology, Paleontology

The University of Zurich, Department of Paleontology

From Trees to Seas: Phylogeny and Ecology as Predictors for Semicircular Canal Morphology

2011-2014 **MSc** Geological Sciences, Paleontology

The University of Texas at Austin, Jackson School of Geosciences

Redescription of teeth and epithelial plates from the platypus (*Ornithorhynchus anatinus*): morphological and evolutionary implications

2008-2011 **BS** Geological Sciences, Environmental Geology

The University of Texas at Austin, Jackson School of Geosciences

FIELD EXPERIENCE

Collected Jurassic and Triassic invertebrates, Eastern and Northern **France** 8/2015

Collected Devonian invertebrates, Tafilalt Basin, **Morocco** 3/2015

Overview of Triassic vertebrate localities in Southern **Germany** 8/2014

Collected Miocene vertebrates, Devil's Graveyard badlands in **West Texas**, 1/2014

Collected Cambrian to Silurian echinoderms, localities in **Oklahoma**, 8/2013

Controlled excavation of Pleistocene vertebrate material from a stratified cave deposit in a **West Texas** 3/2013

Surface collection of Cambrian to Devonian invertebrate communities in Western **Utah** 7/2011

Led undergraduate student field trips for classes in Austin, **Texas** on local geology and fossils 2013, 2012, 2011

COLLECTIONS AND CURATORIAL EXPERIENCE

Vertebrate Paleontology Laboratory, The University of Texas at Austin Pickle Campus, 2012

Responsibilities included cataloging and moving a section of the vertebrate collection, conserving and

cross-checking information with the database, physically relocating specimens to new cabinets, accessioning new field material to the collections.

Nonvertebrate Paleontology Laboratory, The University of Texas at Austin Pickle Campus, 2010
Responsibilities included photographing collection materials with a light box and camera stand, entering data in collections databases using Specify and Microsoft Access, cleaning and conserving recent endangered and extinct mussel collections, identifying and curating fossil invertebrate material.

TEACHING APPOINTMENTS

The University of Zurich

Miscellaneous Lectures – Sensory Systems and Skulls, Spring 2014, Fall 2015, Fall 2016

Teaching Assistant, Vertebrate morphology, Spring 2015, Spring 2016, Spring 2017

Responsibilities included writing a lecture and assignment for students, designing and supervising multiple student projects

The University of Texas at Austin

Teaching Assistant, Introductory Geology, Spring 2013

Responsibilities included coordinating two large separate lab groups meeting twice per week, rewriting and updating fossil lab section, driving students to field sites and leading field trips, grading assignments.

Head Teaching Assistant, Paleobiology, Fall 2012, Fall 2011

Responsibilities included teaching classes of 20 students twice a week on topics across the tree of life, driving students to field sites, designing and writing quizzes and tests, preparing laboratory sections, grading assignments.

Head Teaching Assistant, Plate Tectonics and Earth History, Spring 2012

Responsibilities included teaching classes across the tree of life and geological principals, designing and writing quizzes and tests, preparing laboratory sections, grading assignment, driving students to field sites.

PROFESSIONAL EXPERIENCE

Bio CT specialist Australian National University, Center for Advanced Microscopy 2018-2019

Computed tomography Scanning at Scanning specimens for University and Australian Museum, Sydney

English Editing

University of Zurich Paleontological Institute and Museum, 2014-Present

Plaques for the Monte San Giorgio World Heritage Site, English Translations

Exploration Geology Internship

Imagine Resources, LLC, Summer 2009, Winter 2009, Summer 2010

Created digital cross sections used in publication

(Cornish, F. G. 2011. Incised Valleys of the Upper Wilcox, Middle Texas Gulf Coast: Additional Pathways for Wilcox Sand Delivery to the Deep Gulf of Mexico. South Texas Geological Society Bulletin 52:15-48), copying, rectifying, and importing maps to TKS, digitizing and correlating well logs, retrieving well logs

from various sources, integrating physical and digital media to create attractive prospect presentations, providing technical support for programs and devices.

HONORS, AWARDS, AND ACHIEVEMENTS

2014: MS Tech Sessions Best Speaker award

2012, 2013: Lundelius Scholarship; UT

2012: Dorothy Ogden Carsey Memorial Scholarship Fund; UT

2011: Bloomer Fund for Motivated Students; UT

2010: The Louis and Elizabeth Scherck Geology Scholarship; UT

2008-2013: Jackson School Scholarship; UT

2008: Daughters of the American Revolution Scholarship

2008: Ms Pete Scholarship

PRESENTATIONS AND OUTREACH

2017: Invited presentation for the Neuroanatomy group in the University of Zurich

2016: Public talk: Balance and Orientation-Lange Nacht der Museen, Zurich Switzerland

2015: Public talk: Skulls and sensory systems -Lange Nacht der Museen, Zurich Switzerland

2014: Lange Nacht at the Museum, Zurich Switzerland- Interactive exhibit

2013: Explore UT: Fossils, anatomy and evolution

2008: Representative of the Texas Coastal Bend, Presented on ocean literacy and conservation at the Second National Student Summit on Oceans and Coasts in Washington DC

PUBLICATIONS

Latimer AE, Giles S. 2018 A giant dapediid from the Late Triassic of Switzerland and insights into neopterygian phylogeny.

Latimer AE, Loza CM, Sánchez-Villagra MR, Carlini AA. 2017 Supplemental information for "Sensory anatomy of the most aquatic of carnivorans: the Antarctic Ross seal, and convergences with other mammals".

Loza CM, **Latimer AE**, Sánchez-Villagra MR, Carlini AA. 2017 Sensory anatomy of the most aquatic of carnivorans: the Antarctic Ross seal, and convergences with other mammals. Biol. Lett. 20170489. MorphoMuseumM.

Mautner A-K, **Latimer AE**, Fritz U, Scheyer TM. 2017 An updated description of the osteology of the pancake tortoise *Malacochersus tornieri* (Testudines: Testudinidae) with special focus on intraspecific variation. J. Morphol. 278, 321-333. (doi:10.1002/jmor.20640)

Mautner A-K, **Latimer AE**, Uwe F, Scheyer. 2017 3D data and models related to the publication: An updated description of the osteology of the pancake tortoise *Malacochersus tornieri* (Testudines: Testudinidae) with special focus on intraspecific variation. MorphoMuseumM 2, 2-4.