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POST-DOCTORAL STUDIES

University of Alberta, Edmonton, Alberta, Canada
Post-doctoral fellowship (2016-2017)
Project topic: *Anatomical description of a new and exceptionally large Tyrannosaurus specimen and the first tyrannosaur skin impressions*
Supervisor: Dr. Philip Currie

EDUCATION

University of Alberta, Edmonton, Alberta, Canada
Ph.D. Evolution and Systematics (2016)
Thesis Title: *The Evolution of Bipedal Cursoriality in Dinosaurs: Adaptations in a Predator/Prey Arms Race between Theropods and Ornithopods*
Supervisor: Dr. Philip Currie

University of Alberta, Edmonton, Alberta, Canada
M.Sc. Evolution and Systematics (2011)
Thesis Title: *The Evolution and Function of Theropod Dinosaur Tails*
Supervisor: Dr. Philip Currie

Macalester College, St. Paul, Minnesota, USA
B.A. With honors in geology; minor in biology (2008)
Thesis Title: *A Field and Laboratory Study of the Ediacaran Fossils of Hewitt's Cove: Evidence of Tectonic Deformation and Consideration of Paleobiology*
Advisor: Dr. Raymond Rogers

MUSEUM EXPERIENCE

Exhibit Curator, University of Alberta Museums, Edmonton, AB, T6G 2E1, Canada; *Dates of Employment: 4/14-7/14. Duties:* Primary author of exhibit text, floor plan designer, and specimen and art coordinator for “Discovering Dinosaurs,” a 4,570-square-foot exhibit on University of Alberta paleontological research and the ecology of Cretaceous Alberta, that broke gallery attendance records.

Exhibit Curator, University of Alberta Museums, Edmonton, AB, T6G 2E1, Canada; *Supervisor:* *Dates of Employment:* 1/14-3/14. *Duties:* Author of exhibit text and assisted design team as scientific consultant for “Dinostars,” a 645-square-foot exhibit on recent dinosaur discoveries made by the University of Alberta.

Exhibit Designer and Curatorial Assistant, Glenrock Paleon Museum, Glenrock, WY; *Dates of Employment:* 7/08-9/08. *Duties:* Oversaw renovation of Cretaceous and Jurassic galleries featuring fossil specimens from the Morison and Lance formations; authored exhibit text; designed display layout and signage; and prepped specimens for public display.

Research Assistantship, Macalester College, Geology Department, Saint Paul, MN; *Dates of Employment:* 1/08-5/08. *Duties:* Authored and produced labels for fossil and geologic specimens on display in the Henry Lepp Geology Museum, updated specimen catalogs, designed laboratory experiments relating to dinosaur biomechanics.

Scientific Consultant and Program Designer, Dinosaur Walk Museum, Bloomington, MN; *Dates of Employment:* 4/07-6/07. *Duties:* Wrote supplementary exhibit text, designed visitor programs and tours, and presented at special events.

Docent and Volunteer Exhibit Guide, Science Museum of Minnesota, MN; *Dates of Employment:* 9/06-12/06. *Duties:* Guided visitors through a traveling exhibit on Chinese paleontology; operated hands-on fossil smart-cart; and supervised sandbox fossil dig pit.

Exhibit Designer, Colburn Earth Science Museum, Asheville, NC; *Dates of Employment:* 8/05-12/05. *Duties:* Author of exhibit text and layout designer for the temporary exhibit *Jurassic or Bust!*, which featured over 200 fossils and skeletal casts of dinosaurs and other prehistoric animals, occupying approximately 2,000 square feet.

Exhibit Guide and Curatorial Assistant, Glenrock Paleon Museum, Glenrock, WY; *Dates of Employment:* 7/07-9/07. *Duties:* Toured visitors through gallery and fossil preparation lab; assisted day-long public visits to excavation sites; and cataloged specimens.

Summer Camp Instructor and Program Designer, Colburn Earth Science Museum, Asheville, NC; *Dates of Employment:* 6/03-7/03, 6/04-7/04. *Duties:* Designed art projects, flume experiments, and various hands-on activities; presented lessons on geology and paleontology presenter; and supervised weeklong summer camps for elementary school children.

FIELD EXPERIENCE

- 2017 Mattheis Research Ranch Field Station Crew Chief, Vertebrate Paleontology, Dinosaur Park Formation (Late Cretaceous), Alberta, University of Alberta
- 2016 Mattheis Research Ranch Field Station Crew Chief, Vertebrate Paleontology, Dinosaur Park Formation (Late Cretaceous), Alberta, University of Alberta
- 2015 Senior Field Assistant, Vertebrate Paleontology, Dinosaur Park Formation (Late Cretaceous), Alberta, University of Alberta

- 2015 Crew Member, Vertebrate Paleontology, Candeleros Formation (Late Cretaceous), Neuquén, Argentina, Carmen Funes Municipal Museum
- 2014 Senior Field Assistant, Vertebrate Paleontology, Dinosaur Park Formation (Late Cretaceous), Alberta, University of Alberta
- 2013 Senior Field Assistant, Vertebrate Paleontology, Wapiti Formation, Grande Prairie, Alberta, Philip J. Currie Dinosaur Museum
- 2013 Senior Field Assistant, Vertebrate Paleontology, Dinosaur Park Formation (Late Cretaceous), Alberta, University of Alberta
- 2012 Field Instructor and Grant Report Author, Vertebrate Paleontology, Wapiti Formation, Grande Prairie, Alberta, Grande Prairie Regional College
- 2012 Senior Field Assistant, Vertebrate Paleontology, Dinosaur Park Formation (Late Cretaceous), Alberta, University of Alberta
- 2011 Senior Field Assistant, Vertebrate Paleontology, Dinosaur Park Formation (Late Cretaceous), Alberta, University of Alberta
- 2010 Field Assistant, Vertebrate Paleontology, Nemegt Formation (Late Cretaceous), Mongolia, Korea-Mongolia Dinosaur Project
- 2010 Assistant Field Instructor, Vertebrate Paleontology, Horseshoe Canyon Formation (Late Cretaceous), Alberta, University of Alberta
- 2010 Senior Field Assistant, Vertebrate Paleontology, Dinosaur Park Formation (Late Cretaceous), Alberta, University of Alberta
- 2009 Assistant Field Instructor, Vertebrate Paleontology, Clear Fork Formation (Early Permian), Texas, Houston Museum of Natural Science
- 2009 Senior Field Assistant, Vertebrate Paleontology, Dinosaur Park Formation (Late Cretaceous), Alberta, University of Alberta
- 2009 Assistant Field Instructor, Vertebrate Paleontology, Horseshoe Canyon Formation (Late Cretaceous), Alberta, University of Alberta
- 2008 Senior Field Assistant, Vertebrate Paleontology, Lance Formation (Late Cretaceous), Morrison Formation (Late Jurassic), Wyoming, Paleon Museum
- 2007 Senior Field Assistant, Vertebrate Paleontology, Cloverly Formation (Early Cretaceous), Montana, Robert T. Bakker Dinosaur Expedition
- 2007 Senior Field Assistant, Vertebrate Paleontology, Lance Formation (Late Cretaceous), Morrison Formation (Late Jurassic), Wyoming, Paleon Museum
- 2007 Senior Field Assistant, Vertebrate Paleontology, Morrison Formation (Late Jurassic), Wyoming, Paleon Museum
- 2007 Student Researcher, Field Geology, Boston Basin (Late Ediacaran), Massachusetts, KECK Geology
- 2006 Student Researcher, Field Ecology, Galapagos Islands, Ecuador, Macalester College
- 2006 Student Researcher, Field Ecology, Tarangire National Park, Tanzania, University of Dar es Salaam
- 2005 Student Researcher, Vertebrate Paleontology, Lance Formation (Late Cretaceous), Wyoming, Paleon Museum
- 2005 Student Researcher, Vertebrate Paleontology, Cloverly Formation (Early Cretaceous), Montana, Robert T. Bakker Dinosaur Expedition
- 2005 Student Researcher, Vertebrate Paleontology, Judith River Formation (Late Cretaceous), Montana, Phillips County Museum

- 2004 Student Researcher, Research Assistant Vertebrate Paleontology, Lance Formation (Late Cretaceous), Morrison Formation (Late Jurassic), Wyoming, Paleon Museum
- 2003 Student Researcher, Vertebrate Paleontology, Morrison Formation (Late Jurassic), Wyoming, Paleon Museum

TEACHING EXPERIENCE

Teaching Assistant, Department of Biological Sciences, University of Alberta, Edmonton, AB, T6G 2E9, Canada; *Supervisor*: Philip Currie; *Dates of Employment*: 1/16-4/16. *Duties*: Instructing students in Paleo 419 Paleontology of Higher Vertebrates laboratories, writing and marking quizzes and exams, and presenting substitute lectures.

Sessional Instructor, Department of Biological Sciences, University of Alberta, Edmonton, AB, T6G 2E9, Canada; *Supervisor*: Jocelyn Hall; *Dates of Employment*: 9/15-12/15. *Duties*: Conducted 50-minute lectures three times a week for the course ZOO 224 Vertebrate Diversity, wrote and administered quizzes and final exam, and worked in collaboration with lab coordinator and graduate teaching assistants.

Massive Open Online Course Content Manager and Lead Presenter, University of Alberta Faculty of Science, University of Alberta, Edmonton, AB, T6G 2E1, Canada; *Supervisor*: Glen Loppnow; *Dates of Employment*: 9/15-12/15. *Duties*: Video lecturer for Paleontology 101 -- a trio of paleontology MOOCs on the evolution of theropods, marine reptiles, and early vertebrates -- writing scripts, overseeing the creation of illustrations, managing content team, and writing examination questions.

Teaching Assistant, Department of Biological Sciences, University of Alberta, Edmonton, AB, T6G 2E9, Canada; *Supervisor*: Philip Currie; *Dates of Employment*: 1/15-4/15. *Duties*: Instructing students in Paleontology of Higher Vertebrates laboratories, writing and marking quizzes and exams, and presenting substitute lectures.

Teaching Assistant, Department of Biological Sciences, University of Alberta, Edmonton, AB, T6G 2E9, Canada; *Supervisor*: Braden Bar; *Dates of Employment*: 9/14-12/14. *Duties*: Instructing students in Vertebrate Diversity laboratories, writing and marking quizzes and exams.

Massive Open Online Course Content Manager, Department of Biological Sciences, University of Alberta; *Supervisor*: Philip Currie; *Dates of Employment*: 9/13-4/14. *Duties*: Writing scripts and study guides for Dino 101, overseeing the creation of illustrations, managing content team, and writing examination questions.

Teaching Assistant, Department of Biological Sciences, University of Alberta, Edmonton, AB, T6G 2E9, Canada; *Supervisor*: Philip Currie; *Dates of Employment*: 1/13-4/13. *Duties*: Instructing students in Paleontology of Higher Vertebrates laboratories, writing and marking quizzes and exams, and presenting substitute lectures.

Teaching Assistant, Department of Biological Sciences, University of Alberta, Edmonton, AB, T6G 2E9, Canada; *Supervisor*: Braden Bar; *Dates of Employment*: 9/09-12/13. *Duties*: Instructing students in Vertebrate Diversity laboratories and Comparative Anatomy laboratories, writing and marking quizzes and exams, and preparing dissection specimens.

Teaching Assistant, Department of Biological Sciences, University of Alberta, Edmonton, AB, T6G 2E9, Canada; *Supervisor*: Louise McBain; *Dates of Employment*: 9/08-6/09. *Duties*: Instructing students in Introduction to Biological Diversity laboratories, writing and marking quizzes and exams, and marking lab reports.

Teaching Assistant, Department of Geology, Macalester College, St. Paul, MN, 55105, USA; *Supervisor*: Dr. Kristy C. Rogers; *Dates of Employment*: 8/06-12/06. *Duties*: Assist instructor and writing assignments for Geology 101: Dinosaurs.

SELECT COMMUNITY OUTREACH

Cub Scout Pack 914, 2017/12. Invited speaker on dinosaurs and fossils.

WISEST (Women in Scholarship, Engineering, Science & Technology), 2017/07. Guided tour of University of Alberta Paleontology Museum and Laboratory.

University of Alberta Science FUN Day, 2017/03. Invited speaker on the process of fossil discovery and excavation.

Pollard Meadows School, 2016/10. Invited participant in “Read-In Week”. Presented on the science of paleontology and read aloud the book *Maximum Triceratops* by R. T. Bakker to three grade-four classes.

Calgary Comic and Entertainment Expo, 2016/04. Invited speaker on the science behind the *Jurassic Park* franchise and on my role in the new History Channel series *The Bone Yard*.

Greater Edmonton Teachers' Convention Association, 2016/02. Commissioned speaker (\$1,000) on Alberta’s dinosaur fauna and the application of paleontology as a tool for advancing public science literacy.

McKernan School, 2015/11. Guide through U of A laboratory tour and guest presenter on dinosaurs and fossils to fourth-grade participants.

Let’s Talk Science’s Harry Potter Science Day, 2015/10. Outreach presenter, organized the public showcasing of rare specimens from the University of Alberta Zoology Museum.

Edmonton Comic and Entertainment Expo, 2015/09. Presented to an audience of 300+ on the science behind the *Jurassic Park* franchise.

Centennial of the U of A Faculty of Agricultural, Life and Environmental Sciences Old Country Fair, 2015/07. Invited presenter on Alberta's fossil resources and my discovery of a new ceratopsian specimen

TELUS World of Science Dark Matters, 2015/09. Invited to present the talk "Tyrannosaurus rexxx: the sex lives of dinosaurs" to an age-restricted audience at a TELUS World of Science fundraiser.

Rangeland Research Institute Field Day, 2015/07. Invited presenter on my discovery of a new ceratopsian specimen.

Dinosaur Provincial Park, 2015/06. Invited guest presenter to park staff and visitors on current dinosaur research.

University of Alberta Lunch and Learn, 2014/12. Tour guide of Discovering Dinosaurs exhibition.

Society of Edmonton Atheists, 2014/12. Invited speaker on Alberta's fossil heritage.

Alberta Dinosaur Research Institute Annual Banquet Fundraiser, 2014/11. Invited banquet speaker.

TELUS World of Science Digging Up the Past, 2014/11. Invited host of hands-on fossil demonstrations for elementary students.

Alberta Museums Association, 2014/11. Tour guide of Discovering Dinosaurs exhibition and presenter on exhibition creation

Kids Festival of Ideas, 2014/11. Guided tour of Discovering Dinosaurs exhibition for children

Nerd Nite (Edmonton Chapter), 2014/11. Invited speaker on the evolutionary influence of dinosaurs on modern ecosystems

University of Alberta Science and Engineering Discover-e Science Camp, 2014/08. Laboratory tour guide and guest presenter to third-grade participants on dinosaurs and fossils

Dinosaur Provincial Park, 2014/06. Invited guest presenter to park staff and visitors on current dinosaur research

Windsor Park School, Kindergarten, 2014/3. Invited guest presenter on fossils and dinosaur evolution

Bertha Kennedy Catholic Community School, 2nd/3rd grade, 2014/02. Toured visiting school groups through the University of Alberta Paleontological Museum.

- Jurassic Forest, Edmonton Alberta Prehistoric Dinosaur Park, 2013/6. Invited Canada Day guest speaker on the results of two new studies on dinosaur stomach contents.
- Windsor Park Elementary School, Kindergarten, 2013/4. Invited guest presenter on fossils and dinosaur evolution.
- University of Alberta Museums Science Sunday, 2013/3. Activity developer and outreach presenter, organized the public showcasing of rare specimens from the University of Alberta Zoology Museum.
- The Alberta Paleontological Society, 2012/11. Invited speaker on “Dragon Tails: An Asiatic Dinosaur Expedition and the Convergent Evolution of Winged Archosaurs”
- Smoky Mountain High School, Sylva, NC, 2012/8. Spoke to biology, honors biology, and anatomy classes on paleontology and “the graduate school experience.”
- Discover Charter Elementary School, 2012/8. Spoke to first, second, and third grade classes about paleontology.
- University of Alberta Museums Science Sunday, 2012/3. Activity developer and outreach presenter, organized the public showcasing of rare specimens from the University of Alberta Zoology Museum.
- Let’s Talk Science, 2009/9. Program developer and presenter, traveled to elementary school classrooms in Edmonton and Calgary to give presentations and run activities on paleontology and geology.
- St. Gabriel the Archangel School, 2012/11. Presented five 45-minute lectures on paleontology and dinosaur biology to 1st, 3rd, 4th, 7th, and 8th grade classes.
- Young Naturalist Club Edmonton, 2012/10. Escorted 76 elementary school children on a guided tour of the University of Alberta paleontology laboratories and presenter on paleontological techniques on the fossil history of Edmonton.
- 22nd Canadian Paleontology Conference, 2012/9. Invited speaker on “Gut Contents and Insights into the Paleoecology of Two Chinese Theropods.”
- Jurassic Forest, Edmonton Alberta Prehistoric Dinosaur Park 2012 Summer Lecture Series, 2012/7. Invited guest speaker on “Duckbills on the Run.”
- Grand Prairie Regional College Paleontology Lecture Series, 2012/6. Invited guest presenter on the ecology of duck-billed dinosaurs.
- Grand Prairie Regional College, 2012/6. Fossil excavator and summer grant report writer.

Alberta Innovates - Health Solutions, Science in the Cinema, 2012/2. Invited guest presenter on the science of the film *Jurassic Park* and the portrayal of science in the media.

Calgary City Teachers Convention, 2012/02. Invited presenter on “Defending *T. rex*, perspectives of a young paleontologist.”

University of Alberta Palaeontological Society Biennial Public Symposium, 2012/2. Invited presenter on “Convergent evolution in the tails of pterosaurs and dromaeosaurs.”

Jurassic Forest, Edmonton Alberta Prehistoric Dinosaur Park, 2011 Summer Lecture Series, 2011/7. Invited guest speaker on “Dinosaur tails: more than junk in the trunk.”

Boy Scouts of America, Daniel Boone Council, 2011/7. Traveled to Boy Scout summer camps throughout western North Carolina to present on geology and paleontology and served as a specialized geology merit badge counselor.

Harry Potter Science, Magic & Medicine Day, 2011/12. Volunteer organizer, curriculum designer, and speaker for a hands-on zoology course: “Myth Inspiring Creatures.”

Jackson County Library, NC, 2011/7. Invited guest presenter on paleontology.

University of Alberta Paleontology Society, 2010/9-2011/6. Organized monthly guest lecture series (featuring local and visiting researchers).

Balsam Mountain Preserve Summer Science Camps, 2010/6. Invited guest presenter on paleontology and hands-on activity designer for fourth through sixth grade summer campers.

Calgary Zoo’s Meet the Scientists Speaker Series, 2010/3. Guest presenter on Alberta’s prehistoric history.

SELECT INTERVIEWS AND MEDIA RELATIONS

The New York Times' Kid's Magazine (in press). Interviewed: February 2018. Topic: Our new understanding of tyrannosaurs skin and feathers.

CBC Edmonton Radio, CBC Calgary Radio, and CBC Edmonton TV, July 2017 to present. Topic: A biweekly series that features me interviewing with various Canadian Broadcasting Corporation hosts about a new topic in paleontology.

Ever Changing Earth, Reel Girls Productions, in development, release expected Summer 2020. Topic: Scientific consultant and host for a documentary on mass extinction events, dinosaur ecology, and the current environmental crisis.

Super Titan IMAX, IMAX and Myth Merchant Films, in production, release expected Winter 2021. Topic: Scientific consultant and on-screen interview, documentary on the giant sauropod *Amphicoelias*.

Avenue Magazine, Odvod Publishing Inc., Published: September 2017. Topic: Interviewed on the rise of online education and the University of Albert's new online paleontology course.

CBC Edmonton AM, CBC Edmonton Radio, March 2017. Topic: Interviewed on new research into the origin and evolution of dinosaur bipedalism.

CBC Radioactive, CBC Edmonton Radio, July 2016. Topic: A series of nine interview segments on Albertan dinosaur species.

Discover Magazine, Kalmbach Publishing Co., Published: June 2016. Topic: "Every Thing Worth Knowing About Dinosaurs", interview on the basics of dinosaur systematics and evolutionary history.

Discover Magazine, Kalmbach Publishing Co., Published: January 2016. Topic: Discover's 100 top science stories of 2015, discovery of *Velociraptor*-like footprints.

The Boneyard, History Channel, Pilot aired April, 2016. Topic: Assessing the size, bite strength, and speed of *Tyrannosaurs* and *Giganotosaurus* on site in Argentina.

CNET Movie News, CBS Interactive Inc., Published: 2015-11-16. Topic: Speculation on the premise of the PIXAR film *The Good Dinosaur* and what the world would be like if dinosaurs still ruled.

Nature World News, Nature Publishing Group, Published: 2015-06-16. Topic: Interviewed on new research into fossil tracks of a "raptor" dinosaur.

CTV Edmonton News, CTV, First broadcast: 2015-6-11. Topic: The science of *Jurassic Park* and the upcoming sequel *Jurassic World*.

CBC Radio's Edmonton AM, CBC Edmonton Radio, First broadcast: 2015-06-10. Topic: The science of *Jurassic Park* and the discoveries of the 2015 Dinosaur Park expedition.

Quirks & Quarks, CBC Radio, First broadcast: 2015-04-11. Topic: New research on sexual dimorphism in oviraptorosaurs.

Alberta Prime Time CTV News, CTV, First broadcast: 2015-04-02. Topic: New research on sexual dimorphism in oviraptorosaurs.

The Great Canadian Dinosaur Hunt, History Channel, First broadcast: January 2015.

Topic: Explanation of field excavation techniques, basic stratigraphy, and dinosaur biology in Dinosaur Provincial Park and Grand Prairie.

Scientific America, Published: 2015 February Issue (Volume 312 Number 2). Topic: New research on tyrannosaur and hadrosaur running adaptations.

Quirks & Quarks, CBC Radio, First broadcast: 2014-11-15. Topic: New research on hadrosaur locomotion and tyrannosaur hunting strategies.

Calgary News with Rob Brown, CBC Calgary Radio, First broadcast: 2014-11-10. Topic: New research on hadrosaur locomotion and tyrannosaur hunting strategies.

CBC Radio's Edmonton AM, CBC Edmonton Radio, First broadcast: 2014-11-8. Topic: New research on hadrosaur locomotion and tyrannosaur hunting strategies.

Radio Canada International with Marc Montgomery, RCI, First broadcast: 2014-11-07. Topic: New research on hadrosaur locomotion and tyrannosaur hunting strategies.

CTV Edmonton Morning News, CTV, First broadcast: 2014-10-07. Topic: Promotion of Discovering Dinosaurs exhibition.

Shaw TV Edmonton Morning News, Shaw, First broadcast: 2014-09-19. Topic: Promotion of Discovering Dinosaurs exhibition.

Quirks & Quarks, CBC Radio, First broadcast: 2013-04-12
Topic: The new discovery of a swimming dinosaur trackway in China.

CTV Edmonton News, CTV, First broadcast: 2013-03-01
Topic: Alberta fossils and promotion of the University of Alberta Museums Science Sunday event.

Shaw TV Edmonton News, Shaw, First broadcast: 2013-02-26
Topic: Skeletal adaptations of mammalian insectivores and promotion of the University of Alberta Museums Science Sunday event.

CBC's Radio Active, CBC Radio, First broadcast Date: 2013-01-10
Topic: The results of new original research on the feathers of, and tail functions of, oviraptorosaurs.

Quirks & Quarks, CBC Radio, First broadcast: 2012-09-08
Topic: The results of new original research on the preserved stomach contents of two Chinese dinosaur specimens.

Quirks & Quarks, CBC Radio, First broadcast: 2011-10-21

Topic: The results of new original research on the South American dinosaur *Carnotaurus*.

Edmonton Daily News, CBC TV, First broadcast Date: 2011-10-15

Topic: The results of new original research on the South American dinosaur *Carnotaurus*.

Radio Active, CBC Radio, First broadcast: 2011-10-15

Topic: The results of new original research on the South American dinosaur *Carnotaurus*.

As it Happens, CBC Radio, First broadcast: 2010-11-19

Topic: The results of new original research on the tail of *Tyrannosaurus*.

Daily Planet, Discovery Channel Canada, First broadcast: 2010-11-17

Topic: The results of new original research on the running abilities of carnivorous dinosaurs.

PUBLICATIONS

BOOKS

Persons WS. (in press) *Dinosaurs of the Albertan Badlands*. Douglas and McIntyre Ltd. [A 144-page illustrated children's book on the dinosaurs and other prehistoric animals that once roamed the Canadian west.]

SCIENTIFIC MANUSCRIPTS (total: 60, first authored: 11)

Stettner B, **Persons WS**, Currie PJ. *A giant sauropod footprint from the Nemegt Formation (Upper Cretaceous) of Mongolia*. 2018. *Palaeogeography, Palaeoclimatology, Palaeoecology* (in press).

Persons WS. *Additional specimens and a critical consideration of eurypterid opisthosoma flexibility*. 2018. *The American Naturalist* (in press).

Bell PR, Campione NE, **Persons WS**, Currie PJ, Larson PL, Tanke DH, Bakker RT. *Tyrannosauroid integument reveals conflicting patterns of gigantism and feather evolution*. 2017. *Biology Letters* 13.6: 20170092

Persons WS, Currie PJ. *The functional origin of dinosaur bipedalism: cumulative evidence from bipedally inclined reptiles and disinclined mammals*. 2017. *The Journal of Theoretical Biology* 420: 1-7

Xing L, Lockley MG, Kim KS, Klein H, Matsukawa M, Lim JD, **Persons WS**, Xu X. 2017. *Mid-Cretaceous dinosaur track assemblage from the Tongfosi Formation of China:*

comparison with the track assemblage of South Korea. Cretaceous Research 74: 155–164.

Persons WS, Acorn J. *A sea scorpion's sting: new evidence of extreme lateral flexibility in the opisthosoma of eurypterids.* 2017. *The American Naturalist* 190: 152-156.

Xing L, McKellar RC, Xu X, Li G, Bai M, **Persons WS**, Miyashita T, Benton MJ, Zhang J, Wolfe AP, Yi Q, Tseng K, Ran H, and Currie PJ. *Reply to: Phylogenetic placement, developmental trajectories, and evolutionary implications of a feathered dinosaur tail in Mid-Cretaceous amber.* 2017. *Current Biology* 27.6: R216-R217.

Xing L, Lockley MG, Zhang JP, Klein H, Kümmeled SB, **Persons WS**, Kuang HW. 2017. *Theropod tracks from the Lower Jurassic of Gulin area, Sichuan Province, China.* *Palaeoworld* 26: 115–123

Xing L, Liu Y, Marty D, Kuang H, Klein H, **Persons WS**, Lyu Y. 2017. *Sauropod trackway reflecting an unusual walking pattern from the Early Cretaceous of Shandong Province, China.* *Ichnos* 24: 27-36.

Ruxton G, **Persons WS**, Currie PJ. 2017. *A continued role for signaling functions in the early evolution of feathers.* *Evolution* 71: 797–799.

Xing L., Abbassi N, Lockley MG, Klein H, Jia S, McCrea RT, and **Persons WS**. 2017. *The first record of Anomoepus tracks from the Middle Jurassic of Henan Province, Central China.* *Historical Biology* 29: 223-229.

Xing L, Lockley MG, Li DL, Klein H, **Persons WS**, Ye Y, Zhang JP, Ran H. 2017. *Late Cretaceous Ornithopod-dominated, theropod, and pterosaur track assemblages from the Nanxiong Basin, China: new discoveries, ichnotaxonomy, and palaeoecology.* *Palaeogeography, Palaeoclimatology, Palaeoecology* 466: 303–313.

Xing L, McKellar RC, Xu X, Li G, Bai M, **Persons WS**, Miyashita T, Benton MJ, Zhang J, Wolfe AP, Yi Q, Tseng K, Ran H, and Currie PJ. 2016. *A feathered dinosaur tail with primitive plumage trapped in mid-Cretaceous amber.* *Current Biology* 26: 3352–3360.

Xing L, Lockley MG, Zhang JP, You HL, Klein H, **Persons WS**, Dai H, Dong ZM. 2016. *First Early Jurassic Ornithischian and theropod footprint assemblage and a New Ichnotaxon Shenmuichnus wangi ichnosp. nov. from Yunnan Province, Southwestern China.* *Historical Biology* 28(6): 721–733.

Xing L, Lockley MG, Marty D, He JJ, Hu XF, Dai H, Matsukawa M, Peng GZ, Yong Y, Klein H, Zhang JP, Hao BQ, **Persons WS**. 2016. *Wide-gauge sauropod trackways from the Early Jurassic of Sichuan, China: the oldest sauropod trackways from Asia.* *Swiss Journal of Geosciences* 109(3), 415–428.

- Persons WS**, Currie PJ. 2016 *An approach to scoring cursorial limb proportions in carnivorous dinosaurs and an attempt to account for allometry*. *Scientific Reports*, 6: 19828.
- Xing L, Lockley MG, Hu NY, Li G, Tong GH, Matsukawa M, Klein H, Ye Y, Zhang JP, **Persons WS**. 2016. *Saurischian track assemblages from the Lower Cretaceous Shenhuangshan Formation in the Yuanma Basin, Southern China*. *Cretaceous Research* 65: 1–9.
- Xing, L, Lockley MG, Klein H, Falkingham PL, Kim JY, McCrea RT, Zhang JP, **Persons WS**, Wang T, Wang ZZ. 2016. *First Early Jurassic small ornithischian tracks from Yunnan Province, southwestern China*. *PALAIOS* 31 (11): 516–524.
- Xing LD, Lockley MG, Klein H, Peng GZ, Ye Y, Jiang S, Zhang JP, **Persons WS**, Xu T. 2016. *A theropod track assemblage including large deinonychosaur tracks from the Lower Cretaceous of Asia*. *Cretaceous Research* 65: 213–222.
- Xing L, Lockley MG, Yang G, Cao J, Benton M, Xu X, Zhang JP, Klein H, **Persons WS**, Kim JY, Peng GZ, Ye Y, Ran H. 2016. *A new Minisauripus site from the Lower Cretaceous of China: Tracks of small adults or juveniles?* *Palaeogeography, Palaeoclimatology, Palaeoecology* 452: 28–39
- Smith SD, **Persons WS**, Xing L. 2016 *A tyrannosaur trackway at Glenrock, Lance Formation (Maastrichtian), Wyoming*. *Cretaceous Research*, 61: 1-4.
- Xing L, Li DQ, Falkingham P, Lockley M, Benton M, Klein H, Zhang J, Ran H, **Persons WS**, Dai H. 2016. *Digit-only sauropod pes trackways from China - evidence of swimming or a preservational phenomenon?* *Scientific Reports*, 6: 21138.
- Xing L, Lockley MG, Marty D, Klein H, Yang G, Zhang JP, Peng GZ, Ye Y, **Persons WS**, Yin XY, Xu T. 2016. *A diverse saurischian (theropod-sauropod) dominated footprint assemblage from the Lower Cretaceous Jiaguan Formation in the Sichuan Basin, southwestern China: A new ornithischian ichnotaxon, pterosaur tracks and an unusual sauropod walking pattern*. *Cretaceous Research* 60: 176–193
- Xing L, Peng G, Lockley MG, Ye Y, Klein H, McCrea RT, Zhang J, **Persons WS**. 2016. *Saurischian (theropod–sauropod) track assemblages from the Jiaguan Formation in the Sichuan Basin, Southwest China: ichnology and indications to differential track preservation*. *Historical Biology* 28.8: 1003-1013.
- Xing, L, Lockley MG, Yang G, Cao J, McCrea RT, Klein H, Zhang JP, **Persons WS**, Dai H. 2016. *A diversified vertebrate ichnite fauna from the Feitianshan Formation (Lower Cretaceous) of southwestern Sichuan, China*. *Cretaceous Research* 57: 79–89.
- Xing L, Lockley MG, Yang G, Xu X, Cao J, Klein H, **Persons WS**, Shen HJ, Zheng XM. 2015. *Unusual deinonychosaurian track morphology (Velociraptorichnus zhangii n. sp.)*

ichnosp.) from the Lower Cretaceous Xiaoba Formation, Sichuan Province, China. *Palaeoworld* 24: 283-292.

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Xing L, Lockley MG, Marty D, Zhang J, Wang Y, Klein H, **Persons WS**, Xie X. 2015. *An ornithopod-dominated tracksite from the Lower Cretaceous Jiaguan Formation (Barremian–Albian) of Qijiang, South-Central China: new discoveries, ichnotaxonomy, preservation and palaeoecology*. *PLOS ONE* 10(10): e0141059.

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SCIENTIFIC MANUSCRIPTS SUBMITTED AND UNDER REVIEW

- Persons WS**, Currie PJ. *The anatomical and functional evolution of the femoral fourth trochanter in ornithischian dinosaurs*. (an invited submission for a special issue of *The Anatomical Record* titled: "The Hidden World of Dinosaurs: Their Anatomy, Histology and Paleobiology").
- Xing LD, Lockley MG, Wang QF, Li ZD, Klein H, **Persons WS**, Ye Y, Matsukawa M. *Earliest records of theropod footprint in the Early Jurassic of Xinjiang, China*.
- Persons WS**, Erickson GM, Currie PJ. *A new giant specimen of Tyrannosaurus rex increases the upper bounds for terrestrial vertebrate predator size*.
- Xing, L, Ba J, Lockley MG, Klein H, Yan, SW, Romilio A, **Persons WS**. 2018. *Late Triassic sauropodomorph and Middle Jurassic theropod tracks from the Xichang Basin, southwestern China: a first Chinese report for ichnogenus Carmelopodus*.

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- *Bradley GJ, Arbour V, Campbell M, Torices A, Street HP, Miyashita T, Blais S, **Persons WS**. 2017. *Dig locally, teach globally: using massive open online courses to make Palaeontology education accessible worldwide*. Supplement to the *Journal of Vertebrate Paleontology*, 2017 Annual Meeting Abstract Volume, 64.
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- ***Persons WS**. 2013. *The evolution, function, and possible sexual dimorphism of oviraptorosaurs tails*. 2013 Hwaseong International Dinosaur Expedition Symposium, 2013 Meeting Abstract Volume, 196-197.
- ***Persons WS**. 2013. *The adaptive origins of dinosaur bipedalism: clues from bipedally inclined diapsids and disinclined synapsids*. Canadian Paleontology Conference Proceedings No. 11, 56.
- ***Persons WS**, Xing L, Bell P, Currie P, Miyashita T. 2013. *Direct and morphologically-inferred evidence of piscivory in Microraptor*. Supplement to the Journal of Vertebrate Paleontology, 2013 Annual Meeting Abstract Volume, 190-191.
- ***Persons WS**, Currie PJ. 2012. *Adaptive cursorial trends among theropod dinosaurs and an attempt to look beyond allometry*. Supplement to the Journal of Vertebrate Paleontology, 2012 Annual Meeting Abstract Volume, 156-157.
- ***Persons WS**, Currie PJ. 2011. *Shake your tail feathers: the flamboyant, athletic, and possibly flirtatious caudal morphology of oviraptorosaurs*. Supplement to the Journal of Vertebrate Paleontology, 2011 Annual Meeting Abstract Volume, 132.
- ***Persons WS**. 2011. *Duckbills on the run: comparing the cursorial abilities of hadrosaur and tyrannosaurs*. Hadrosaur Symposium 2011 abstract volume, 117-121.
- ***Persons WS**. 2010. *Convergent evolution of prezygapophysis/chevron rods in the tails of pterosaurs and dromaeosaurs and the parallel pattern of caudal muscle reduction in pterosaurs and birds*. Acta Geoscientia Sinica, 31 supplement to no. 1: 20-21.
- ***Persons WS**, Currie PJ. 2010. *Anatomy of a speed demon: the caudal musculature of Carnotaurus and implications for abelisaurid locomotion and evolutionary trajectory*. Journal of Vertebrate Paleontology, 30 supplement to no. 3: 145A.
- ***Persons WS**. 2009. *Theropod tail muscle reconstruction and assessment of the locomotive contributions of the M. caudofemoralis*. Journal of Vertebrate Paleontology, 23 supplement to no. 3: 164.
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- ***Persons WS**. 2008. *If the shoe fits: an examination of the proposed relationship between habitat and foot-surface area based on modern megafauna, and the application of such a relationship to the paleoecology of dinosaurs*. Southeastern Association of Vertebrate Paleontology Abstracts with Programs, 41.
- ***Beuthin JD**, M.A.S. McMenamin, **Persons WS**. 2007. *Fossiliferous laminites of the Proterozoic Cambridge Argillite, Boston Basin*. Geological Society of America Abstracts with Programs.

***Persons WS**. 2006. *Exploring dinosaur paleoecology of a vertebrate microfossil assemblage in the Late Cretaceous Lance Formation, Wyoming*. Winchell 2006 Undergraduate Research Symposium (part of the Minnesota Academy of Science) Abstracts with Programs.

MAGAZINE ENTRIES

Persons WS, Johns H (translator). *China: A New Land of Dinosaur Discovery*. *Chinese National Geography*, June 2010: 148-154.

GRANTS AND SCHOLARSHIPS

University of Alberta Postdoctoral Fellowship (\$56,796). November 14, 2016

Graduate Scholarship in Vertebrate Paleontology at the University of Alberta (\$2,350). November 19, 2014

Rene Vandervelde Travel Grant for the SVP Annual Meeting (\$2,500). June 1, 2013

Jackson School of Geosciences Student Member Travel Grant (\$400). May 20, 2013.

Dinosaur Research Institute Student Project Grant (\$3000). June 1, 2012.

University of Alberta Doctorial Scholarship (\$20,000). September 1, 2011-September 1, 2014.

University of Alberta Graduate Teaching Assistantship (\$80,678). September 1, 2011- April 12, 2016.

University of Alberta China Institute Student Travel Grant (\$1000). April 1, 2010.

Rene Vandervelde Travel Grant for the SVP Annual Meeting (\$2,500). June 1, 2009.

Dinosaur Research Institute Student Project Grant (\$3000). April 7, 2009.

University of Alberta Graduate Teaching Assistantship (\$44,890). September 1, 2008-December 30, 2010.

Department of Biological Sciences GTA Scholarship (\$1,500). September 1, 2008

PROFESSIONAL AWARDS

Discover's 100 top Science Stories of 2015

Discover Magazine, research on *Velociraptor*-like footprints profiled in special end of 2015 edition.

Graduate Student Research Assistant Award

University of Alberta, awarded based on supervisor recommendation and curriculum vitae. 2015.

The ISSS Award for Excellence in Teaching

University of Alberta Interdepartmental Science Student's Society, awarded based on student nominations. 2014

University of Alberta International Student Award

Graduate Students' Association 16th Annual Awards Night, University of Alberta. 2012

Best Oral Presentation – PhD

The Richard E. Peter Biology Conference, University of Alberta. 2012.

AEGS Silver Graduate Student Teaching Award

Graduate Students' Association 16th Annual Awards Night, University of Alberta. 2010

Best Oral Presentation – MSc

The Richard E. Peter Biology Conference, University of Alberta. 2009.

PROFESSIONAL AFFILIATIONS

2006 – present Society of Vertebrate Paleontology