

# CURRICULUM VITAE

## CYNTHIA LEIGH GORDON

University of Oklahoma  
Department of Biology  
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### POSITIONS

2011-present – Associate Professor, Department of Biology, University of Oklahoma  
2010-present – Director of Human Anatomy Program, University of Oklahoma  
2005-present – Adjunct Research Associate, Sam Noble Museum  
2004-2011 – Assistant Professor, Department of Zoology, University of Oklahoma  
2004 – Lecturer, Department of Zoology, University of Oklahoma  
2003 – Instructor, Department of Zoology, University of Oklahoma

### EDUCATION

University of Oklahoma, Norman, Oklahoma  
Ph.D., May 2003 (Zoology)  
Murray State University, Murray, Kentucky  
M.S., May 1998 (Biology)  
Ohio State University, Columbus, Ohio  
B.S., May 1989 (Zoology)

### PROFESSIONAL INTERESTS

Paleoecology of Cretaceous mammals  
Functional morphology  
Undergraduate education in the sciences

### HONORS, SCHOLARSHIPS AND AWARDS

2015 – Holden Faculty Award (College of Arts and Sciences Award “to recognize outstanding faculty teaching courses at the freshman and sophomore level”)  
2013-2015 – Educators’ Leadership Academy/Outstanding Professor’s Academy, *invited mentor*  
2013-2014 – National Academies Education Fellow in the Life Sciences  
2014-2017 – Pi Beta Phi ‘favorite professor’ attendee at sorority academic award banquet  
2012-2013 – Educators’ Leadership Academy/Outstanding Professor’s Academy participant, Class XIV  
2011 – The National Society of Collegiate Scholars’ Inspire Integrity Award *nominee*, Jaime N. Hughes, student nominator  
2007 – Good Teaching Award (University Award “to recognize excellence in teaching performance at the undergraduate level and to provide an incentive to achieve that goal”)  
2005-2006 – Student Scholar Athletes “Most Inspiring Faculty” Award  
2005, 2006, 2010 – “Honorary Coach” for a game, OU Women’s Basketball

- 2000-2001 – James M. Thompson Excellence in Teaching Award (Departmental Award to recognize top graduate teaching assistant)
- 1999, 2000, 2001 – M. Blanche Adams and M. Frances Adams Memorial Scholarship (graduate research support)

### **GRANTS AWARDED**

- College of Arts & Sciences Information Technology Grant (2016, \$2540)
- College of Arts & Sciences Information Technology Grant (2014, \$1331)
- College of Arts & Sciences Information Technology Grant (2012, \$1775)
- University College Action Center Faculty Grant (Fall2017, \$400)
- University College Action Center Faculty Grant (2016-17, \$400, \$400)
- University College Action Center Faculty Grant (2015-16, \$400, \$400)
- University College Action Center Faculty Grant (2014-15, \$360, \$400)
- University College Action Center Faculty Grant (Spr2014, \$500)
- University College Action Center Faculty Grant (2012-13, \$400, \$500)
- University College Action Center Faculty Grant (2011-12, \$400, \$378)
- University College Action Center Faculty Grant (Spr2011, \$400)

### **STUDENT GRANTS AWARDED**

- 2007 – Undergraduate Research Opportunities Program Grant (*Jennifer Wells*) (honors research project supplies and SEM usage fee)
- 2007 – Undergraduate Research Opportunities Program Grant (*Geoffrey Lau*) (honors research project supplies and SEM usage fee)

### **PROFESSIONAL EXPERIENCE**

#### **Courses Taught:**

- University of Oklahoma:
  - Human Anatomy
  - Introduction to Human Anatomy (lecture/lab)
  - Senior Seminar
  - Introduction to Zoology Lab
  - Independent Study
  
- Murray State University (graduate student):
  - Principles of Ecology Lab
  - General Biology Lab
  - General Botany Lab

#### **Research:**

- 2009 – PaleoExpedition – co-leader for the paleontology portion of an Explorology program to bring high school students on a paleontology expedition to the Utah desert
- 2003 – Society of Vertebrate Paleontology, 62<sup>nd</sup> Annual Meeting, Norman, Oklahoma.
- o Host Committee member
  - o Field Trip Co-Leader – “Late Cenozoic Vertebrate Paleontology of the Texas and Oklahoma Panhandles”

2002 – 2003 – Scanning Electron Microscopy administrator for Division of Vertebrate Paleontology, Oklahoma Museum of Natural History

**Other:**

1989 – 1992 – Secondary Education Science Teacher, United States Peace Corps, Kingdom of Tonga, South Pacific

**FIELD EXPERIENCE**

- 1997 – present. Collection of microvertebrate and dinosaur fossils from the Early Cretaceous Antlers Formation, southeastern Oklahoma.
- 1998, 2007 – 09, 2014 – 15. Collection of microvertebrate fossil remains from the Cretaceous Cedar Mountain and Kaiparowits formations, Utah.
- 1997 – 2005 (summers only), 2009. Collection of microvertebrate and dinosaur fossils from the Early Cretaceous Cloverly Formation, south-central Montana and Wyoming.
- 2004 Collection of microvertebrate fossil remains from the Early Cretaceous Arundel Formation, Maryland
- 2001 – 2003, 2011. Collection of vertebrate remains from the Early Cretaceous Lakota Formation, South Dakota.
- 1994 – 1996. Collection of microvertebrate fossil remains from the Late Pleistocene Hiltop Cave locality, western Kentucky.
- 1995 Collection of microvertebrate remains from Tertiary deposits of Spain.

**PROFESSIONAL AFFILIATIONS**

Member of the Anatomical Board of the State of Oklahoma  
Human Anatomy and Physiology Society  
Society of Vertebrate Paleontologists

**PUBLICATIONS**

**A. Published Papers**

- Cifelli, R.L., **Gordon, C.L.** and T. Lipka. 2013. New multituberculate mammal from the Early Cretaceous of eastern North America. *Canadian Journal of Earth Sciences* 50(3): 315-323.
- Cifelli, Richard L. and **Cynthia L. Gordon**. 2007. Re-crowning mammals. *Nature* 447: 918-920.
- Gordon, Cynthia L.** 2003. A first look at estimating body size in dentally conservative marsupials. *Journal of Mammalian Evolution* 10:1-21.
- Gordon, Cynthia L.** and Nicholas J. Czaplewski. 2000. A fossil marmot from the late Miocene of Western Oklahoma. *Oklahoma Geology Notes* 60(2): 28-32.
- Gordon, Cynthia L.** 1999. Morphological variation in the dentition of late Pleistocene meadow voles (*Microtus pennsylvanicus*) from Yarbrough Cave, Bartow Co., Georgia. *Paludicola* 2(3): 207-231.
- Cifelli, Richard L. and **Cynthia L. Gordon**. 1999. Symmetrodonts from the Late Cretaceous of southern Utah, and comments on the distribution of archaic mammalian lineages persisting into the Cretaceous of North America. *Brigham Young University Geology Studies* 44: 1-15.

**Gordon, Cynthia L.** and Nicholas J. Czaplewski. 1998. Second record of the Pleistocene saber-toothed cat *Smilodon fatalis* in Oklahoma. Proceedings of the Oklahoma Academy of Science 78: 133-135.

## **B. Published abstracts**

- Cifelli, R.L. and **C.L. Gordon**. 2011. New information on tribosphenic mammals from the Cloverly Formation, Montana and Wyoming. Journal of Vertebrate Paleontology 31 (supplement to online Journal of Vertebrate Paleontology): 89.
- Davies, K.M., Cifelli, R.L., Davis, B.M. and **C.L. Gordon**. 2010. A simple microvertebrate molding and casting technique: A 20-year perspective. Journal of Vertebrate Paleontology 30 (supplement to 3): 79A.
- Gordon, C.L.**, Wells, J. and R.L. Cifelli. 2008. Enamel microstructure of multituberculate mammals from the Early-mid Cretaceous of North America. Journal of Vertebrate Paleontology 28 (supplement to 3): 85A.
- Gordon, C.L.**, R.L. Cifelli and J.G. Eaton. 2007. New eutherian mammals from the Kaiparowits Formation (Judithian), Utah. Journal of Vertebrate Paleontology 27 (supplement to 3): 83A.
- Czaplewski, N.J. and **C.L. Gordon**. 2005. Relationship of body weight and molar size in bats and the prediction of body mass in some extinct species. Journal of Vertebrate Paleontology 25 (supplement to 3): 48A.
- Cifelli, R.L. and **C.L. Gordon**. 2005. First Neocomian (Earliest Cretaceous) mammals from North America. Journal of Vertebrate Paleontology 25 (supplement to 3): 45A.
- Gordon, Cynthia L.** 2002. Paleoecology of Cretaceous mammals. I. Estimating body size in Cretaceous therians. Journal of Vertebrate Paleontology 22 (supplement to 3): 59A.
- Gordon, C.L.**, Kielan-Jaworowska, Z. and R.L. Cifelli. 2000. Early Cretaceous multituberculates from Western North America. Journal of Vertebrate Paleontology 20 (supplement to 3): 46A.
- Gordon, Cynthia L.** 1997. Morphological variation in the dentition of late Pleistocene meadow voles (*Microtus pennsylvanicus*) from Yarbrough Cave, Bartow Co., Georgia. Journal of Vertebrate Paleontology 17 (supplement to 3): 49A.

## **C. Current Research/Manuscripts submitted/in preparation**

- Gordon, C.L. and R.L. Cifelli. Eutherian mammals from the Kaiparowits Formation, Late Cretaceous of Utah. (*in preparation*)
- Gordon, C.L. and R.L. Cifelli. First record of multituberculate mammals from the Cloverly Formation (Early Cretaceous), Big Horn County, Montana.
- Gordon, C.L., Kielan-Jaworowska, Z. and R.L. Cifelli. Multituberculate mammals from the Early Cretaceous Antlers Formation of Oklahoma.
- Gordon, Cynthia L. A late Pleistocene assemblage from Hiltop Cave, Trigg Co., Kentucky.

## **RESEARCH PRESENTATIONS**

- Cifelli, R. and C. Gordon. 2011. New information on tribosphenic mammals from the Cloverly Formation, Montana and Wyoming. Society of Vertebrate Paleontology, 71<sup>st</sup> Annual Meeting, Las Vegas, NV.

- Davies, K., Cifelli, R., Davis, B. and C. Gordon. 2010. A simple microvertebrate molding and casting technique: A 20-year perspective. Society of Vertebrate Paleontology, 70<sup>th</sup> Annual Meeting, Pittsburgh, PA.
- Gordon, C.L., Wells, J., and R.L. Cifelli. 2008. Enamel microstructure of multituberculate mammals from the Early-mid Cretaceous of North America. Society of Vertebrate Paleontology, 68<sup>th</sup> Annual Meeting, Cleveland, OH.
- Gordon, C.L., R.L. Cifelli and J.G. Eaton. 2007. New eutherian mammals from the Kaiparowits Formation (Judithian), Utah. Society of Vertebrate Paleontology, 67<sup>th</sup> Annual Meeting, Austin, TX.
- Czaplewski, N.J. and C.L. Gordon. 2005. Relationship of body weight and molar size in bats and the prediction of body mass in some extinct species. Society of Vertebrate Paleontology, 65<sup>th</sup> Annual Meeting, Mesa, AZ.
- Cifelli, R.L. and C.L. Gordon. 2005. First Neocomian (Earliest Cretaceous) mammals from North America. Society of Vertebrate Paleontology, 65<sup>th</sup> Annual Meeting, Mesa, AZ.
- Gordon, Cynthia L. 2002. Paleocology of Cretaceous mammals. I. Estimating body size in Cretaceous therians. Society of Vertebrate Paleontology, 62<sup>nd</sup> Annual Meeting, Norman, OK.
- Gordon, Cynthia L. 2001. Multituberculates of the Early Cretaceous Antlers Formation of southeastern Oklahoma. Graduate Student Senate Research Day, University of OK.
- Gordon, C.L., Kielan-Jaworowska, Z. and R.L. Cifelli. 2000. Early Cretaceous multituberculates from western North America. Society of Vertebrate Paleontology, 60<sup>th</sup> Annual Meeting, Mexico City, Mexico.
- Gordon, Cynthia L. 1997. Morphological variation in the dentition of late Pleistocene meadow voles (*Microtus pennsylvanicus*) from Yarbrough Cave, Bartow Co., Georgia. Society of Vertebrate Paleontology, 57<sup>th</sup> Annual Meeting, Chicago, IL.
- Gordon, Cynthia L. 1996. Scanning Electron Microscope imaging of fossil bat long bone and its implications for paleoclimatology. Sigma Xi meeting, Murray State University.

## **INVITED TALKS/PRESENTATIONS**

- 2017 – Invited speaker, Student Learning Center annual banquet
- 2016 – ‘Participating in research with faculty’ invited speaker, Pre-Dental club
- 2015 – ‘Cookies with a Professor’ invited speaker, College of Arts and Sciences Leadership Scholars
- 2014 – “UC Action Faculty Best Practices” panel member, UC Action Faculty Learning Community, University of Oklahoma, OK.
- 2014 – “How to Study Biology” panel member, Biology Mentoring Series, Department of Biology, University of Oklahoma, OK.
- 2013, 2014 – ‘Interacting with Faculty and Peers’, Student Learning Center Fall Tutor Training Conference, University of Oklahoma, OK.
- 2013 – ‘Assisting a Professor with a Course with a Lab’, Development for International Teaching Assistant (DITA), University of Oklahoma, OK.
- 2013 – ‘Interacting with Faculty’, Student Learning Center Spring Tutor Training Conference, University of Oklahoma, OK.

- 2013 – ‘Using Technology to Engage Students in the Action Center’, Academic Technology Expo, University of Oklahoma, OK.
- 2010 – ‘When Bad Things Happen to Good Bodies..and Why do We Even Need to Know That?’. Oklahoma Nursing Student Association (ONSA) State Convention, Norman, OK.
- 2010 – Invited speaker, Student-Athlete Advisory Committee Faculty Appreciation Day, University of Oklahoma, OK.
- 2010 – ‘Dynamic Learning Environments: UC Action.’ Panel member, Teaching Scholars Initiative Colloquium, University of Oklahoma, OK.
- 2004 – Guest Lecturer, “The marsupial-placental dichotomy”, Evolution of Mammals course, University of Oklahoma, OK.
- 1995 – ‘Opportunities and Biases in Education: A Student Perspective.’ Invited speaker, American Association of University Women, Murray State University, Murray, KY.

## **STUDENT COMMITTEES/MENTORING**

### **Graduate**

- 2013 – 2017 – Joshua Cohen (PhD) Committee
- 2008 – 2012 – Andrew Thomas (MS) Co-advisor
- 2006 – 2011 – Brian Davis (PhD) Committee
- 2008 – 2010 – Sarah Pine (MS) Committee

### **Undergraduate Honors Research**

- 2012 – Jamie Brown
- 2011 – Reagan Gill
- 2007 – 2008 Jennifer Wells (Honors Thesis Chair)
- 2007 – Geoffrey Lau

### **Undergraduate Honors Research Committees**

- 2018 – Dakota Vaughan
- 2015 – Thuc-Vi Nguyen
- 2011 – Lindsay Lacroix
- 2010 – Bahar Malakouti, Erika Martin, Anne Burke, Cassidy Bennett
- 2008 – Stacey Steinmetz

### **Undergraduate Independent Study**

- 2018 – Emily Adams
- 2017 – Dhara Maisuria, Teighlor Juricek, Jacob Carmen
- 2016 – Katherine Byrne, Keaton Maddoux, Areebah Anwar
- 2015 – Jessica Ford, Kevin Johnson, Matthew Smith (Spr, Fall), Beau Deavers, Robert Lind
- 2014 – Josiah Flaming
- 2013 – Shelby James
- 2012 – John Sutton
- 2011 – Audrey Bergman
- 2008 – Geoffrey Lau
- 2005 – Sean Tucker, Kala Kretchmar

2004 – Christina Stewart, Kala Kretchmar

### **High School**

2017 – Hollis High School anatomy class trip to OU anatomy lab

2010 – Frontier H.S. Advanced Biology class trip to OU anatomy/physiology facilities

### **DEPARTMENTAL SERVICE/COMMITTEES**

2017-18 – Safety Committee, Web Page and Publicity Committee, Pre-dental interview panel

2016-17 – Web Page and Publicity Committee (Chair), Safety Committee, Pre-med interview panels

2015-16 – Safety Committee, Web Page and Publicity, Pre-med interview panels

2014-15 – Safety Committee, Biology Curriculum Task Force, Web Page and Publicity Committee, Pre-med interview panels

2013-14 – Biology Curriculum Task Force, Web Page and Publicity Committee, Safety Committee, Pre-med interview panels

2012-13 – Safety Committee, Undergraduate Studies Committee, Graduate Scholarship Committee, Pre-med/dental interview panels

2011-12 – Safety Committee, Undergraduate Studies Committee, Faculty Marshall (Winter CAS Convocation), Pre-med/dental interview panels, Adams Graduate Scholarship Committee

2010-11 – Faculty Marshall (Winter CAS Convocation), Undergraduate Studies Committee, Safety Committee, Pre-med interview panels

2009-10 – Safety Committee, Student academic advising, Faculty Marshall (Winter CAS Convocation), Pre-med interview panels, Spring CAS Convocation, Web Page and Publicity Committee

2008-09 – Faculty Marshall (Winter CAS Convocation), Student academic advising, Safety Committee, Pre-med interview panels

2007-08 – Faculty Marshall (Spring CAS Convocation), Pre-med interview panels

2006-07 – Ad/Hoc Committee for Teaching Evaluation, Pre-med interview panels

2005-06 – Faculty Marshall (December Convocation), Ad/Hoc Committee for Teaching Evaluation, Student academic advising

2004-05 – Undergraduate Studies Committee, Student academic advising, Ad/Hoc Committee for Teaching Evaluation, Human Physiology Search Committee, Undergraduate Studies Committee, Adams Scholarship Committee (undergraduates), Pre-med interview panels

### **UNIVERSITY SERVICE/COMMITTEES**

2018-19 – Elite Retention Squad, LGBTQ Faculty Ally, Course and Curriculum Committee, Student Conduct Hearing Panel Pool, Campus Security Authority

2017-18 – Elite Retention Squad, LGBTQ Faculty Ally, Course and Curriculum Committee, CAS Nominations Committee, Student Conduct Hearing Panel Pool, Campus Security Authority, Goldwater Scholarship Selection Committee, Anthropology Faculty Search Committee

2016-17 – Elite Retention Squad, LGBTQ Faculty Ally, Course and Curriculum Committee, CAS Nominations Committee, Student Conduct Hearing Panel Pool, Campus Security Authority

- 2015-16 – Elite Retention Squad, LGBTQ Faculty Ally, Faculty Advisor Pre-Chiropractic Club, Faculty Co-Sponsor Outdoor Adventure, Student Conduct Hearing Panel Pool, Goldwater Scholarship Selection Committee, Organic Chemistry Faculty Search Committee
- 2014-15 – Sooner Ally, CAS Nominations Committee, Faculty Advisor Pre-Chiropractic Club, Student Conduct Hearing Panel Pool
- 2013-14 – CAS Nominations Committee, Sooner Ally, Faculty Advisor Pre-Chiropractic Club
- 2012-13 – Dean’s Advisory Committee on Women’s Issues (DACWI), Support of Teaching and Research Committee, CAS Nominations Committee, Sooner Ally, Organic Chemistry Faculty Search Committee
- 2011-12 – Dean’s Advisory Committee on Women’s Issues (DACWI), Support of Teaching and Research Committee, Student Travel Funding subcommittee
- 2010-11 – Dean’s Advisory Committee on Women’s Issues (DACWI)
- 2009-10 – CAS Nominations Committee, CAS Student Scholarship and Awards Committee, CAS Graduate College Academic Appeals Panel, Faculty Mentor (UNIV 1210), Zoology Session Chair for Honors College Undergraduate Research Day
- 2008-09 – CAS Nominations Committee, CAS Student Scholarship and Awards Committee, CAS Graduate College Academic Appeals Panel
- 2007-08 – CAS Nominations Committee
- 2006-07 – CAS Nominations Committee, Adopt a Prof, CAS Student Misconduct and Appeals Committee, Study Abroad Interview Panel
- 2005-06 – CAS Nominations Committee, Adopt a Prof, Study Abroad Interview Panel
- 2004-05 – Adopt a Prof

**PROFESSIONAL SERVICE and OUTREACH**

- 2003 – present. Member of the Anatomical Board of the State of Oklahoma
- 2018 – Partnered with United Tissue Network in their Hearts for Minds program, outreach to underserved students in Oklahoma public schools
- 2018 – Hosted seminar with Physician Associate anatomy alumni to speak with current anatomy students
- 2017 – Hosted workshop on cadaver anatomy for Physical Therapists and technicians from the Reynolds Army Health Clinic
- 2017 – Hosted seminar with Occupational and Physical Therapy anatomy alumni to speak with current anatomy students
- 2011-14, 2015-17. Site manager, iTeach A&P (national online collaborative group site)
- 2016 – Presentation on physiological changes with stress, cadets of Norman Police Academy
- 2015 – Presentation on dinosaurs and paleontology for elementary children at KaleidEscape Summer Camp in Edmond, OK
- 2012, 2013 – Presentation in anatomy lab for cadets of Norman Police Academy
- 2011 – 2013. Annual fall semester presentation in anatomy labs for Oklahoma City University Kinesiology class
- 2006 – 2009. Associate Editor, Journal of Paleontology



## **COMMUNITY VOLUNTEER ACTIVITIES**

- 2015 – present. Piper for Norman Police Department Honor Guard
- 2014 – 16; 17-18. Pipe Major, Oklahoma Scottish Pipes and Drums
- 2010 – present. Band Manager, Oklahoma Scottish Pipes and Drums
- 2010 – 2015. Planning Commission, City of Norman
- 2014 – 2015. Community Development Block Grant Policy Committee
- 2011 Police Chief Search Advisory Committee, City of Norman
- 2008 – 2010. Porter Corridor Revitalization Committee, City of Norman
- 2004 – 05; 06 – 08; 09 – 10; 12 – 13. Neighborhood representative – Community Development Block Grant Program, First Courthouse Neighborhood, City of Norman
- 2002 – 2003. Meals on Wheels (nonprofit organization responsible for the delivery of meals to homes of people in need)
- 1999 – 2002. WildCare Foundation (nonprofit organization for the rehabilitation and release of injured wild animals)