

# Emily N. Taylor, PhD

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## EDUCATION

|                 |      |                                    |
|-----------------|------|------------------------------------|
| Ph.D. (Biology) | 2005 | Arizona State University           |
| B.A. (English)  | 1998 | University of California, Berkeley |

## PROFESSIONAL EXPERIENCE

|              |  |
|--------------|--|
| 2016-present | Professor, Biological Sciences, California Polytechnic State University  |
| 2011-2016    | Associate Professor, Biological Sciences, California Polytechnic State University                                      |
| 2005-2011    | Assistant Professor, Biological Sciences, California Polytechnic State University                                      |
| 2010-present | Co-author, <i>Biological Science</i> 5 <sup>th</sup> – 7 <sup>th</sup> editions (Introductory Biology Majors Textbook) |
| 2018-2019    | Faculty Fellow, Graduate Education, California Polytechnic State University  |
| 2004         | Adjunct Professor, Phoenix College   |
| 2004         | Human Anatomy and Physiology Laboratory Coordinator, Arizona State University  |
| 1999-2005    | Teaching Assistant, Human Anatomy and Physiology and Animal Physiology, Arizona State University                       |

## HONORS AND AWARDS

|      |   |
|------|---|
| 2016 | Meritorious Teaching Award in Herpetology: American Society of Ichthyologists and Herpetologists, Herpetologists League, Society for the Study of Amphibians and Reptiles |
| 2012 | Distinguished Teaching Award: California Polytechnic State University   |
| 2010 | Distinguished Educator Award: California Faculty Association  |
| 2008 | Professor of the Year: California Polytechnic State University Delta Delta Delta and Chi Omega  |
| 2004 | Storer Award: American Society of Ichthyologists and Herpetologists (ASIH)  |
| 2004 | Doctoral Candidate Distinguished Achievement Award: Faculty Women's Association, Arizona State University   |
| 2000 | Graduate Research Fellowship: National Science Foundation   |

## GRANTS AND CONTRACTS

|          |   |
|----------|---|
| 2019     | United States Department of the Interior Office of Insular Affairs: \$187,976                       |
| 2018, 19 | United State Bureau of Land Management: \$40K over two years  |
| 2016     | Research, Scholarly, and Creative Activity Grant, California Polytechnic State University: \$11,134 |
| 2014     | Bridges to the Baccalaureate Grant, National Institutes of Health: \$996K over 5 years              |
| 2013     | United States Air Force: \$9K   |
| 2012     | United States Air Force: \$10K  |
| 2008     | Bridges to the Baccalaureate Grant, National Institutes of Health: \$950K over 5 years              |
| 2007, 08 | Honors Program Research Grant, California Polytechnic State Univ.: \$4K each                        |
| 2006, 08 | State Faculty Support Grant, California Polytechnic State Univ.: \$5K each                          |

## PUBLICATIONS

1. Stepanek, J., N. M. Claunch, J. A. Frazier, I. T. Moore, C. Escallón, B. Vernasco, and **E. N. Taylor**. 2019. Corticosterone-induced color change in Southern Pacific Rattlesnakes (*Crotalus helleri*). *Herpetologica* 75:143-152.
2. Habroun S. S., A. A. Schaffner, **E. N. Taylor**, and C. R. Strand. 2018. Food consumption increases cell proliferation in the python brain. *The Journal of Experimental Biology* 221: jeb173377.
3. Claunch, N. M., M. L. Holding, C. Escallón, B. Vernasco, I. T. Moore, and **E. N. Taylor**. 2017. Good vibrations: Assessing the stability of snake venom composition after researcher-induced disturbance in the laboratory. *Toxicon* 133:127-135.
4. Claunch, N. M., J. A. Frazier, C. Escallón, B. Vernasco, I. T. Moore, and **E. N. Taylor**. 2017. Physiological and behavioral effects of exogenous corticosterone in a free-ranging ectotherm. *General and Comparative Endocrinology* 248:87-96.
5. French, S., L. Neuman-Lee, P. Terletzky, N. Kiriazis, **E. N. Taylor**, and D. F. DeNardo. 2017. Too much of a good thing? Ecotourism has a “dose-dependent” impact on innate immunity and oxidative stress in marine iguanas, *Amblyrhynchus cristatus*. *Biological Conservation* 210A:37-47.
6. DuBois, P. M., T. K. Shea, N. M. Claunch, and **E. N. Taylor**. 2017. Effects of oxygen on responses to heating in two lizard species sampled along an elevational gradient. *Journal of Thermal Biology* 68:170-176.
7. **Taylor, E. N.**, and W. Booth. 2017. Arizona rattlesnakes as model organisms for studies of reproductive physiology. In “Rattlesnakes of Arizona” (G.K. Schuett, R.S. Reiserer, C.F. Smith, eds.), Eco Publishing, pp. 121-157.
8. Heiken, K. H., G. A. Brusch IV, S. Gartland, C. Escallón, I. T. Moore, **E. N. Taylor**. 2016. Effects of long distance translocation on corticosterone and testosterone levels in male rattlesnakes. *General and Comparative Endocrinology* 237:27-33.
9. Capehart, G. D., C. Escallón, B. J. Vernasco, I. T. Moore, **E. N. Taylor**. 2016. No drought about it: Effects of supplemental hydration on the ecology, behavior, and physiology of free-ranging rattlesnakes. *Journal of Arid Environments* 134:79-86.
10. Shea, T. K., P. M. Dubois, N. M. Claunch, N. E. Murphey, K. A. Rucker, R. A. Brewster, **E. N. Taylor**. 2016. Oxygen concentration affects upper thermal tolerance in a terrestrial vertebrate. *Comparative Biochemistry and Physiology Part A: Molecular & Integrative Physiology* 199:87-94.
11. Brusch G. A. IV, **E. N. Taylor**, and S. M. Whitfield. 2016. Turn up the heat: thermal tolerances of lizards at La Selva, Costa Rica. *Oecologia* 180:325-334.
12. Pollock, N. B., E. Gawne, and **E. N. Taylor**. 2015. Effects of temperature on feeding duration, success, and efficiency of larval western black-legged ticks (Acari: Ixodidae) on western fence lizards. *Experimental and Applied Acarology* 67:299-307.
13. Sparks, A., C. M. Lind, and **E. N. Taylor**. 2015. Diet of the Northern Pacific Rattlesnake (*Crotalus o. oreganus*) in California. *Herpetological Review* 46:161-165.
14. Holding, M. L., D. A. S. Owen, and **E. N. Taylor**. 2014. Evaluating the thermal effects of translocation in a large-bodied pitviper. *Journal of Experimental Zoology* 321:442-449.
15. Holding, M. L., J. A. Frazier, S. W. Dorr, S. N. Henningsen, I. T. Moore, and **E. N. Taylor**. 2014. Physiological and behavioral effects of repeated handling and short-distance translocations on free-ranging Northern Pacific Rattlesnakes (*Crotalus oreganus oreganus*). *Journal of Herpetology* 48:233-239.
16. Holding, M. L., J. A. Frazier, S. W., Dorr, N. B. Pollock, P. J. Muelleman, A. Branske, S. N. Henningsen, C. Eikenaar, C. Escallón, C. E. Montgomery, I. T. Moore, and **E. N. Taylor**. 2014. Wet- and dry-season steroid hormone profiles and stress reactivity of an insular dwarf snake, the Hog Island Boa (*Boa constrictor imperator*). *Physiological and Biochemical Zoology* 87:363-373.

17. Putman, B. J., C. M. Lind, and **E. N. Taylor**. 2013. Does size matter? Testing the effects of body size and sex on spatial ecology parameters of Northern Pacific Rattlesnakes (*Crotalus oreganus oreganus*) in Central California. *Copeia* 2013:485-492.
18. Pittman, W., N. B. Pollock, and **E. N. Taylor**. 2013. Effect of host anemia on host choice and feeding rate of larval western black-legged ticks (*Ixodes pacificus*). *Experimental and Applied Acarology* 61:471-479.
19. Pollock, N. B., L. K. Vredevoe, and **E. N. Taylor**. 2012. The effect of exogenous testosterone on ectoparasite loads in free-ranging Western Fence Lizards. *Journal of Experimental Zoology* 317:447-454.
20. Pollock, N. B., L. K. Vredevoe, and **E. N. Taylor**. 2012. How do host sex and reproductive state affect host preference and feeding duration of ticks? *Parasitology Research* 111:897-907.
21. Holding, M. L., J. A. Frazier, **E. N. Taylor**, and C. Strand. 2012. Experimentally-altered navigational demands induce changes in the cortical forebrain of free-ranging Northern Pacific Rattlesnakes (*Crotalus o. oreganus*). *Brain, Behavior, and Evolution* 79:144-154.
22. Lumbad, A. S., L. K. Vredevoe, and **E. N. Taylor**. 2011. Season and sex of host affect intensities of ectoparasites in Western fence lizards (*Sceloporus occidentalis*) on the Central Coast of California. *Southwestern Naturalist* 56:369-377.
23. DeNardo, D. F. and **E. N. Taylor**. 2011. Hormones and reproduction in free-ranging snakes. In "Reproductive Biology and Phylogeny of Snakes" (D. M. Sever and R. D. Aldridge, eds.). Science Publishers, Inc. Pp. 265-287.
24. **Taylor, E. N.** and D. F. DeNardo. 2010. Hormones and reproductive cycles in snakes. In "Hormones and Reproduction of Vertebrates," Vol. 3 (D. O. Norris and K. H. Lopez, eds.). San Diego, Elsevier. Pp. 355-372.
25. Amarello, M., E. M. Nowak, **E. N. Taylor**, G. W. Schuett, R. A. Repp, P. C. Rosen, D. L. Hardy, Sr. 2010. Potential environmental influences on variation in body size and sexual size dimorphism among Arizona populations of the western diamond-backed rattlesnake (*Crotalus atrox*). *Journal of Arid Environments* 74:1443-1449.
26. Lind, C. M., J. F. Husak, C. Eikenaar, I. Moore, and **E. N. Taylor**. 2010. The relationship between plasma steroid hormone concentrations and the reproductive cycle in the Northern Pacific rattlesnake, *Crotalus oreganus*. *General and Comparative Endocrinology* 166:590-599.
27. **Taylor, E. N.** and D. F. DeNardo. 2008. Proximate determinants of sexual size dimorphism in the Western Diamond-backed Rattlesnake (*Crotalus atrox*). In: W. K. Hayes, K. R. Beaman, M. D. Cardwell, and S. P. Bush (eds.) *Biology of Rattlesnakes*. Loma Linda Press, Loma Linda, California. Pp. 91-100.
28. Davis, J., **E. N. Taylor**, and D. F. DeNardo. 2008. An automated temperature-based option for estimating surface activity and refuge use patterns in free-ranging animals. *Journal of Arid Environments* 72:1414-1422.
29. John-Alder, H. B., R. M. Cox, and **E. N. Taylor**. 2007. Proximate developmental mediators of sexual dimorphism in size: case studies from squamate reptiles. *Integrative and Comparative Biology* 47:258-271.
30. Schuett, G. W., R. A. Repp, **E. N. Taylor**, D. F. DeNardo, R. L. Earley, E. A. Van Kirk, and W. J. Murdoch. 2006. Winter profile of plasma sex steroid levels in free-living male western diamond-backed rattlesnakes, *Crotalus atrox* (Serpentes: Viperidae). *General and Comparative Endocrinology* 149:72-80.
31. **Taylor, E. N.**, M. A. Malawy, D. M. Browning, S. V. Lemar, and D. F. DeNardo. 2005. Effects of food supplementation on the physiological ecology of female western diamond-backed rattlesnakes (*Crotalus atrox*). *Oecologia* 144:206-213.
32. **Taylor, E. N.** and D. F. DeNardo. 2005. Sexual size dimorphism and growth plasticity in snakes: an experiment on the Western Diamond-backed Rattlesnake (*Crotalus atrox*). *Journal of Experimental Zoology* 303A:598-607.

33. **Taylor, E. N.** and D. F. DeNardo. 2005. Reproductive ecology of Western Diamond-backed Rattlesnakes (*Crotalus atrox*) in the Sonoran Desert. *Copeia* 2005:152–158.
34. Schuett, G. W., **E. N. Taylor**, E. A. Van Kirk, and W. J. Murdoch. 2004. Handling stress and plasma corticosterone levels in captive male Western Diamond-backed Rattlesnakes (*Crotalus atrox*). *Herpetological Review* 35:229–233.
35. **Taylor, E. N.**, D. F. DeNardo, and D. H. Jennings. 2004. Seasonal steroid hormone levels and their relation to reproduction in the Western Diamond-backed Rattlesnake, *Crotalus atrox* (Serpentes: Viperidae). *General and Comparative Endocrinology* 136:328–337.
36. **Taylor, E. N.**, D. F. DeNardo, and M. A. Malawy. 2004. A comparison between point- and semi-continuous sampling for assessing body temperature in a free-ranging ectotherm. *Journal of Thermal Biology* 29:91–96.
37. **Taylor, E. N.** and G. W. Schuett. 2004. Effects of temperature and storage duration on the stability of steroid hormones in blood samples from Western Diamond-backed Rattlesnakes. *Herpetological Review* 35:14–17.
38. Lourdais, O., X. Bonnet, R. Shine and **E. N. Taylor**. 2003. When does a reproducing female viper (*Vipera aspis*) "decide" on her litter size? *Journal of Zoology London* 259:123–129.
39. **Taylor, E. N.** 2001. Diet of the Baja California rattlesnake, *Crotalus enyo* (Viperidae). *Copeia* 2001:552–554.

## PUBLISHED NOTES

1. Claunch, N, R. Denton, M. Holding, **E. Taylor**, and S. J. Mullin. **2018**. *Scaphiopus couchii* (Couch's Spadefoot Toad). Predation. *Herp. Review* 49(2): 312-3.
2. Claunch, N. M, and **E. N. Taylor**. 2017. *Gambelia wislizenii* (Long-nosed leopard lizard). saurocaudophagy of *Dipsosaurus dorsalis* (Desert Iguana). *Herpetological Review* 48: 190-192.

## PUBLISHED BOOK REVIEWS

1. **Taylor, E. N.** 2017. Review of *Amphibian and Reptile Adaptations to the Environment: Interplay Between Physiology and Behavior*. D. V. de Andrade, C. R. Bevier, J. E. de Carvalho (Eds.). 2016. CRC Press. In *Copeia* 2017:171-173.

## INVITED SEMINARS

- 2019 Portland State University, Portland Oregon; Southern California Herpfest (Plenary Speaker); Biology of the Pitvipers 3 (Keynote Speaker)
- 2018 Sustainable Agriculture Expo, San Luis Obispo, California; Colorado State University, Fort Collins, Colorado; Humboldt State University, Arcata, California
- 2017 University of California, Berkeley; University of Nevada, Reno
- 2016 University of Central Florida; San Diego State University
- 2015 The Ohio State University (undergraduate Ecology and Evolution Club)
- 2014 University of Texas, Tyler
- 2013 University of Tulsa, Oklahoma; Southeastern Louisiana University, Hammond, Louisiana
- 2011 Desert Tortoise Council, Las Vegas, Nevada
- 2009 California State University, Fresno
- 2008 Truman State University, Kirksville, Missouri
- 2007 California State University, Long Beach
- 2006 California State University, Northridge

## CONTRIBUTED PRESENTATIONS

- 2019 Eat, Prey, Live: Comparative thermal ecology and energy requirements of coastal and inland populations of Pacific Rattlesnakes (*Crotalus oreganus*). The Western Section of The Wildlife Society, Fish Camp, California
- 2018 The serpent and the rainbow: New insights into coloration in rattlesnakes. Rattlesnake of Arizona Book Signing, Rodeo, New Mexico.
- 2017 Stressed snakes: What can glucocorticoid hormones tell us about snake physiology? Biology of Snakes, Rodeo, New Mexico.
- 2016 What's behind the critical thermal maximum? Joint Meeting of Ichthyologists and Herpetologists, New Orleans, Louisiana.
- 2014 Lizard vs. spirochete smackdown: fat females take the bactericidal title. Joint Meeting of Ichthyologists and Herpetologists, Chattanooga, Tennessee
- 2014 Is translocation stressful to rattlesnakes? Biology of the Pitvipers, Tulsa, Oklahoma.
- 2014 Is translocation stressful to nuisance rattlesnakes? The Wildlife Society Western Regional Conference, Reno, Nevada.
- 2013 Is translocation stressful to nuisance rattlesnakes? 6<sup>th</sup> Snake Ecology Group Meeting, Okinawa, Japan.
- 2012 Tracking rattlesnakes on Vandenberg Air Force Base: What do the snakes do, and what should we do about them? The Wildlife Society, Portland, Oregon.
- 2012 Snakes on the juice: Effects of testosterone on the spatial ecology of rattlesnakes. 7<sup>th</sup> World Congress of Herpetology, Vancouver, British Columbia.
- 2011 Sex differences in rattlesnake spatial ecology: it's all in the mind. Biology of the Rattlesnakes Symposium, Tucson, Arizona.
- 2010 Effect of testosterone on the bactericidal properties of lizard blood. Joint Meeting of Ichthyologists and Herpetologists, Providence, Rhode Island.
- 2009 Hormones and reproduction in free-living snakes. Invited talk in Reproductive Biology of the Ophidia Symposium. Joint Meeting of Ichthyologists and Herpetologists, Portland, Oregon.
- 2008 Annual body temperature profiles of free-ranging male Northern Pacific rattlesnakes (*Crotalus o. oreganus*). Joint Meeting of Ichthyologists and Herpetologists, Montreal, Canada.
- 2007 Testosterone is responsible for sexual size dimorphism in *Sceloporus* lizards. Joint Meeting of Ichthyologists and Herpetologists, St. Louis, Missouri.
- 2006 Effects of castration on body fat, growth rate, and home range size in free-ranging male rattlesnakes. Joint Meeting of Ichthyologists and Herpetologists, New Orleans, Louisiana.
- 2005 Effects of testosterone on growth, body composition, and home range size in male Western Diamond-backed Rattlesnakes (*Crotalus atrox*). Current Research on the Herpetofauna of the Sonoran Desert III, Phoenix, Arizona.
- 2005 Why are male rattlesnakes larger than females? Biology of the Rattlesnakes Symposium, Loma Linda, California.
- 2005 Why are male rattlesnakes larger than females? Society for Integrative and Comparative Biology, San Diego, California.
- 2004 Why are male rattlesnakes larger than females? Joint Meeting of Ichthyologists and Herpetologists, Norman, Oklahoma.
- 2004 Reproductive ecology of the Western Diamond-backed Rattlesnake in the Sonoran Desert. Joint Meeting of Ichthyologists and Herpetologists, Norman, Oklahoma.
- 2004 Effects of food supplementation on the reproductive ecology of female Western Diamond-backed Rattlesnakes. Society for Integrative and Comparative Biology, New Orleans, Louisiana.
- 2004 A comparison between point- and semi-continuous sampling for assessing body temperature in a free-ranging ectotherm. Society for Integrative and Comparative Biology, New Orleans, Louisiana.

- 2003 Effects of food supplementation on the physiology and behavior of female Western Diamond-backed Rattlesnakes (*Crotalus atrox*). Joint Meeting of Ichthyologists and Herpetologists, Manaus, Brazil.
- 2003 Is testosterone involved in the sexual size dimorphism of the Western Diamond-backed Rattlesnake (*Crotalus atrox*)? Joint Meeting of Ichthyologists and Herpetologists, Manaus, Brazil.
- 2002 Seasonal steroid hormone profiles of wild female Western Diamond-backed Rattlesnakes (*Crotalus atrox*). Joint Meeting of Ichthyologists and Herpetologists, Kansas City, Missouri.
- 2002 Growth plasticity of juvenile Western Diamond-backed Rattlesnakes (*Crotalus atrox*). Joint Meeting of Ichthyologists and Herpetologists, Kansas City, Missouri.
- 2002 Seasonal steroid hormone profiles of wild female Western Diamond-backed Rattlesnakes (*Crotalus atrox*). Current Research on the Herpetofauna of the Sonoran Desert II, Tucson, Arizona.
- 2002 Growth plasticity of juvenile Western Diamond-backed Rattlesnakes (*Crotalus atrox*). Current Research on the Herpetofauna of the Sonoran Desert II, Tucson, Arizona.
- 2002 Growth of juvenile Western Diamond-backed Rattlesnakes (*Crotalus atrox*) raised on different diets. Society for Integrative and Comparative Biology, Anaheim, California.
- 2001 Effects of storage time and temperature on the stability of steroid hormones in blood samples from a reptile. Society for Behavioral Neuroendocrinology, Scottsdale, Arizona.
- 2000 Diet of the Baja California rattlesnake, *Crotalus enyo*. Biology of the Vipers, Uppsala, Sweden.
- 1999 Diet and reproductive biology of the Baja California rattlesnake, *Crotalus enyo*. Joint Meeting of Ichthyologists and Herpetologists, State College, Pennsylvania.

## COMMUNITY PRESENTATIONS

- 2019 Paso Robles High School
- 2018 Talks on Tap at 7Sisters Brewing Co.; San Luis Obispo Chamber of Commerce; SLO Morning Kiwanis Club
- 2017 Santa Barbara Science Pub; Atascadero Rotary Club; Sierra Club, Santa Lucia Chapter
- 2016 San Luis Obispo County Sheriff's Posse; San Luis Obispo County Search & Rescue
- 2015 TOO SLO Chapter of the California Turtle & Tortoise Club
- 2014 Science After Dark, San Luis Obispo
- 2012 RAMs (Retired Active Men), San Luis Obispo, California
- 2011,12 Cal Poly Pride Week, San Luis Obispo, California
- 2010 Central Coast Biological Society, San Luis Obispo, California; 20<sup>th</sup> Western Regional LGBTQIA College Conference, Cal Poly, San Luis Obispo, California
- 2009 Morro Coast Audubon Society, San Luis Obispo, California
- 2006, 08 Southwestern Herpetologists Society. Van Nuys, California
- 2005 Chicago Herpetological Society. Chicago, Illinois
- 2004 Tucson Herpetological Society, Arizona

## UNIVERSITY SERVICE

- 2006-present Curator of Herpetology Collections, Cal Poly
- 2005-present Health Professions Resource Committee, Cal Poly
- 2011-2017 Graduate Coordinator, Biological Sciences, Cal Poly
- 2005-2016 Faculty Advisor, American Medical Student Association, Cal Poly Chapter
- 2014-15 Learn by Doing Award Committee, Cal Poly
- 2009-2014 College Representative, Commencement Committee, Cal Poly
- 2008-2011 Graduate Program Committee, Biological Sciences, Cal Poly
- 2008-09 Institutional Animal Care and Use Committee (IACUC), Cal Poly

## PROFESSIONAL SERVICE

|                        |  |
|------------------------|--|
| 2009-14, 17-20         | Governor, American Society of Ichthyologists and Herpetologists  |
| 2019-20                | Education Committee, Herpetologists League   |
| 2011-13, 16-           | Co-organizer and Instructor, Southwestern Research Station Herpetology Course, Portal, Arizona                     |
| 2016-19                | Johnson Award Committee, American Society of Ichthyologists and Herpetologists                                     |
| 2014-19                | Governor, Society for the Study of Amphibians and Reptiles   |
| 2012, 2016             | Chair, Resolutions Committee, American Society of Ichthyologists and Herpetologists                                |
| 2014, 2018             | Chair, Stoye and Storer Award Committee, American Society of Ichthyologists and Herpetologists                     |
| 2011-2012              | Nominating Committee, American Society of Ichthyologists and Herpetologists  |
| 2009-2011              | Gaige Award Committee, American Society of Ichthyologists and Herpetologists                                       |
| 2009                   | Unit Advisor for Unit 8 of <i>Biological Sciences</i> by S. Freeman, published by Pearson/Benjamin Cummings        |
| 2009, 2016             | Judge, Seibert Student Award, Society for the Study of Amphibians and Reptiles                                     |
| 2008, 2012, 2015, 2016 | Judge, Stoye/Storer Award Committee, American Society of Ichthyologists and Herpetologists                         |
| 2007-2012              | Associate Editor, Herpetological Review, published by the Society for the Study of Amphibians and Reptiles         |
| 2005                   | Program Co-chair, 3 <sup>rd</sup> Current Research on the Herpetofauna of the Sonoran Desert Conference (CRHSDIII) |

## GRADUATE STUDENTS

1. Nicole Gaudenti: M.S. expected 2021
2. Kathleen Ivey: M.S. expected 2020
3. Heather Neldner: M.S. expected 2020
4. Hayley Crowell: M.S. 2019
5. Luis Burgos: M.S. 2018
6. Natalie Claunch, M.S. 2016
7. Griffin Capehart, M.S. 2015
8. Kyle Weichert: M.S. 2015
9. Michael Maples: M.S. 2015
10. Kory Heiken: M.S. 2013
11. Julius A. Frazier: M.S. 2012
12. Matthew L. Holding: M.S. 2011
13. Nicholas B. Pollock: M.S. 2011
14. Craig M. Lind: M.S. 2009