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EDUCATION:

Emory University (Atlanta, GA)

Doctor of Philosophy in Neuroscience & Animal Behavior August 2004
Master of Arts in Psychobiology December 2001

College of Charleston, Honors College (Charleston, SC)

Bachelor of Science in Biology (distinguished) May 1998
Bachelor of Science in Anthropology (distinguished) May 1998

Doctoral Thesis:

Davis, J.E. Behavioral and Physiological Responses to Naturalistic Threats in the Rhesus Macaque (*Macaca mulatta*). Doctoral Thesis, Emory University, 2004.

Masters Thesis:

Davis, J.E. Alarm Response Dynamics and Interspecific Communication in Three Species of Old World Primate. M.A. Thesis, Emory University, 2001.

PUBLICATIONS:

Davis, J.E. & Guinan, J.A. (submitted). Family ties: corticosterone and parental behavior across family members in eastern bluebirds (*Sialia sialis*).

Davis, J.E. & Cooper, L.N. (Integrative Zoology, in revision). Seeing Red: Sex and color as modulators of neophobia in the house sparrow (*Passer domesticus*).

Davis, J.E. (Accepted). Cold hearts in cold times: Poikilothermic strategies for surviving winter. Virginia Wildlife Magazine.

Davis, J.E. (2013). The Costs of Color: The evolution and physiology of bright colors in the natural world. Virginia Wildlife Magazine. 74[3]. 14-19.

Hobbes, J.A. & **Davis, J.E.** (2012). The "Milkbird" as proxy: anthropology meets biology on the Tibetan plateau. Current Anthropology. 43 (4).

Davis, J.E. (2012). Winged Invasion: Why are house sparrows successful invaders? Virginia Wildlife Magazine. 73[2], 20-24.

- Davis, J.E.** (2011). Memory in bone: the physiology of antler growth. *Virginia Wildlife Magazine*. 72 [3]32-39.
- Addis, E., **Davis, J.E.**, Miner, B.F., Wingfield, J.C. (2011). Recent breeding range expansion into urban and high altitude areas in the Puget Sound white-crowned sparrow (*Zonotrichia leucophrys pugetensis*). *Oecologia*. 167(2):369-78
- Wingfield JC; Kelley P; Angelier F; Chastel O; Lei F; Lynn SE; Miner B; **Davis JE**; Li D; Wang G (2011). Organism–environment interactions in a changing world: a mechanistic approach. *Journal of Ornithology* 10.1007/s10336-011-0668-3
- Wacker, D.W., Wingfield, J.C., **Davis, J.E.**, & Meddle, S.L. (2010) Seasonal changes in aromatase and androgen receptor, but not estrogen receptor alpha or beta, mRNA expression in the male song sparrow (*Melospiza melodia*) brain. *Journal of Comparative Neurology*: 518(18), 3819-3835
- Davis, J.E.** (2008). Beneath Migration: Understanding the brains of migrating birds. *South Carolina Wildlife Magazine*. 241.
- Davis, J.E.**, Parr, L.A. and Gouzoules, H. (2004). Response to naturalistic fear stimuli in captive old world monkeys. Emotions Inside Out: Annals of the New York Academy of Sciences. Paul Ekman.
- Tomaszycki, M.L., **Davis, J.E.**, Gouzoules, H., & Wallen, K. (2001). Sex differences in infant rhesus macaque separation-rejection vocalizations and effects of prenatal androgens. Hormones and Behavior, 39, 267-276.

RECENT PRESENTATIONS:

- Cooper, L.N., Foltz, S.L., Ross, A., Moore, I.T. & **Davis, J.E.** (2013). Seeing Red: The effects of coloring on corticosteroid production in the house sparrow (*Passer domesticus*). Talk presented to the annual meeting of the Society for Integrative and Comparative Biology, San Francisco, CA.
- Cale, K. & **Davis, J.E.** (2013). Developmental investigation of juvenile hormone and royal jelly in Madagascar hissing cockroaches (*Gromphadorhina portentosa*). Poster presented to the annual meeting of the Society for Integrative and Comparative Biology, San Francisco, CA.
- Paterson, T.L. & **Davis, J.E.** (2013). Effect of captivity on hippocampal volume of *Passer domesticus*. Poster presented to the annual meeting of the Society for Integrative and Comparative Biology, San Francisco, CA.

- Davis, J.E.** & Guinan, J.A. (2012). Hormones across the family: Parental behavior and corticosterone in eastern bluebirds (*Sialia sialis*). Talk presented to the annual meeting of the Society for Integrative and Comparative Biology, Charleston, SC.
- Cooper, L.N., Hall, F. & **Davis, J.E.** (2012). Color-oriented neophobia and sex differences in the house sparrow (*Passer domesticus*). Poster presented to the annual meeting of the Society for Integrative and Comparative Biology, Charleston, SC.
- Jayne, M, Dudley, E., Green, G., Moore, I.T. & **Davis, J.E.** (2012). Captive modulation of acute stress effects on corticosterone and testosterone. Poster presented to the annual meeting of the Society for Integrative and Comparative Biology, Charleston, SC.
- Lexa, C. & **Davis, J.E.** (2012). Effects of juvenile hormone modulation on growth and behavior in the Madagascar hissing cockroach (*Gromphordina portentosa*). Poster presented to the annual meeting of the Society for Integrative and Comparative Biology, Charleston, SC.
- Jayne, M., Guinan J.A. & **Davis, J.E.** (2011). Nest parasitization and microbiology in the eastern bluebird (*Sialia sialis*). Poster presented to the annual meeting of the Society for Integrative and Comparative Biology, Salt Lake City, NV.
- Davis, J.E.** (2011). Mineralocorticoid and glucocorticoid receptor distribution in the hippocampus of Tibetan passerines. Poster presented to the annual meeting of the Society for Integrative and Comparative Biology, Salt Lake City, NV.
- Jones, D. & **Davis, J.E.** (2010). Diet and feeding behavior in passerines of the Tibetan plateau. Poster presented to the annual meeting of the Animal Behavior Society, Williamsburg, VA.
- Davis, J.E.**, Foltz, S.L., Wang, G., Qi, X., Lei, F., & Wingfield, J.C. (2009) Stress physiology in the passerines of the Tibetan Plateau. Talk presented to the annual meeting of the Society for Integrative and Comparative Biology, Boston.
- Foltz, S.L., **Davis, J.E.**, Lei, F., & Wingfield, J.C. (2009) Hormone levels in laying and non-laying female Eurasian tree sparrows on the Tibetan Plateau. Talk presented to the annual meeting of the Society for Integrative and Comparative Biology, Boston.
- Wacker, DW., Wingfield, J.C., **Davis, J.E.**, & Meddle, S.L. (2009) Seasonal differences in aromatase (*cyp19*) mRNA expression in the brain of the free-living male song sparrow, *Melospiza melodia morphna*. Talk presented to the annual meeting of the Society for Integrative and Comparative Biology, Boston.

FELLOWSHIPS/GRANTS/AWARDS:

Radford University Seed Grant	2013-2014
CSAT Research Award	2012-2013
CSAT Research Award	2011-2012
NSF TUES Award, Managing Faculty & Co-author	2011
NSF Research Opportunity Award	2010
Radford University Seed Grant	2009-2010
RCN Travel Award (NSF)	2008-2009
International Postdoctoral Research Fellowship (NSF)	2007-2009
University of Washington, Howard Hughes Future Faculty Fellow	2006-2007
Ruth L. Kirschstein National Research Service Award (NIH) Postdoctoral Fellowship	2005-2007
Emory University Howard Hughes Teaching-Scholar Fellowship	2003-2004
Health Emotions Institute Scholar	2003
RIKEN Brain Science Institute Summer Travel Award	2003
Health Emotions Institute Travel Award	2002
National Science Foundation Graduate Research Fellowship	1999-2002

MEMBERSHIPS IN PROFESSIONAL SOCIETIES:

Animal Behavior Society
Society for Integrative and Comparative Biology
Society for Behavioral Neuroendocrinology
Virginia Ornithological Society

POSITIONS OF NOTE:

CSAT Faculty Senator	2013-current
Editorial Boardmember – Southeastern Naturalist Magazine	2012-current
Chairperson – Radford University IACUC	2011-current