

# William Grisham

## CURRICULUM VITAE

University of California, Los Angeles  
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## EDUCATION

Ph.D. Bryn Mawr College, 1986  
Specialization: Physiological Psychology  
Dr. Alice Powers, advisor

M.A. University of Nebraska, 1980  
Specialization: Developmental Psychobiology  
Dr. Shelton Hendricks, advisor

B.S. Colorado State University, 1978  
Major: Psychology

## PROFESSIONAL EXPERIENCE

### Adjunct Professor

UCLA Department of Psychology and Interdepartmental Program in  
Neuroscience, July 2008 to present

### Lecturer / Academic Administrator

UCLA Department of Psychology and Interdepartmental Program in  
Neuroscience, July 1996 to July 2008

Postdoctoral Research Fellow

Department of Psychology,  
University of California, Los Angeles  
June 1991 to July 1996.  
Dr. Arthur P. Arnold, mentor

Assistant Professor of Psychology

Rosemont College, Rosemont, PA.  
September 1986 to June 1991.

Taught 4 courses/semester including courses in:

Physiological Psychology  
Psychology of Learning  
Perception  
Experimental Psychology  
Experimental Psychology Laboratory  
Psychological Testing

Collaborative Researcher, Villanova University, Villanova, PA.

September 1986 to June 1991.

Engaged in collaborative research with Dr. Ingeborg Ward investigating prenatal influences on the sexually dimorphic nuclei in the spinal cord.

**TEACHING AWARDS AND HONORS**

Journal of Undergraduate Neuroscience Education—2009

--Editor's Choice Award for Outstanding Neuroscience Laboratory Education  
Article

UCLA Academic Senate Distinguished Lecturer Award, 2005

UCLA's Brian P. Copenhaver Award for Innovation in Teaching with Technology--2005

Journal of Undergraduate Neuroscience Education—2004

--Editor's Choice Award for Outstanding Neuroscience Laboratory Education  
Article

UCLA Department of Psychology Distinguished Teaching Award--2001

UCLA Neuroscience Interdepartmental Program

Excellence in Undergraduate Teaching Award--1999

## **EXTRAMURAL AND COMPETITIVE INTRAMURAL FUNDING**

NSF Grant DUE 0717306: Modular Digital Course in Undergraduate Neuroscience Education—Revised: Start 1-1-08 through 12-31-11. Award Amount \$467,845

UCLA Office of Instructional Development. Instructional Improvement Grant—awarded 2007-2010 for developing and disseminating digital neuroscience laboratories.

Non-Senate Faculty Professional Development Fund—2006-2008, Grants to attend the Faculty for Undergraduate Neuroscience / Project Kaleidoscope workshops, attend the annual meeting of the Faculty for Undergraduate Neuroscience, editorial board meeting of Journal of Undergraduate Neuroscience Education, and present teaching and research posters at the annual meeting of the Society for Neuroscience.

UCLA Office of Instructional Development—3 major grants (2004, 2006, & 2008-present) for enhancing undergraduate instruction. 5 minigrants (2002-2009) also awarded.

National Institute of Health, National Research Service Awards, 1991 & 1993  
Both rated in top 10% of grants submitted.

## **PROFESSIONAL ACTIVITIES**

Invited Speaker, Whittier College Department of Biology, 2010

UCLA NeuroCamp—Led and taught an enrichment program for high school students that was sponsored by the UCLA Brain Research Institute

Member of UCLA Faculty Committee on Educational Technology, 2009-2011

Invited Speaker, Neuroscience Undergraduate Society, UCLA, March 2009

Invited Speaker, University of California, Riverside Evolution, Ecology, and Organismal Biology graduate lecture series, October 2008

Invited Speaker, Faculty for Undergraduate Neuroscience Workshop, July 2008, "Simulations in labs: Teaching inquiry-based neurophysiology with a virtual neural circuit: SWIMMY"

Invited Speaker Joint Science Department, Claremont College, 2008, "How I Became a Hormonal Heretic."

Invited Speaker at 2007 Society for Neuroscience Professional Development Workshop on Teaching Neuroscience: "Teaching Innovative Laboratories"

Loma Linda University: Invited Lecture, 1992, "Prenatal Influences on Sexually Dimorphic Spinal Nuclei"

Councilor (Board member) of Faculty for Undergraduate Neuroscience—elected term 2004-2006. Re-elected 2006-2008.

Participant in Project Kaleidoscope/Faculty for Undergraduate Neuroscience workshops: "Undergraduate neuroscience education: Leadership, laboratories and a curriculum for the 21st century," Macalester College, July 2005 & July 2008; Oberlin, 1998; Trinity College, 2001

Participant in IFEL (Introduction to FUN Electrophysiology Labs) workshop July, 2006, Bowdoin College

Participated in an Assessment of Instruction program with the Office of Instructional Development, 2006

Participant in Blended Instruction Project (web with classroom) Including the UCLA Library, & Psychology/Life Sciences IT, 2003  
Provided "Learning Object"—700 digital images of spinal cord motor neurons, and helped construct metadata. This project ultimately tested integration of California Digital Library, UCLA Digital Library, and UCLA Course Management Systems (course web sites)

Associate Editor, Journal of Undergraduate Neuroscience Education, 2007-2010

Editor-in-Chief, Journal of Undergraduate Neuroscience Education, 2011-current

Ad-hoc reviewer for:

Hormones & Behavior  
Brain Research  
Journal of Comparative Physiology A  
Journal of Neurobiology  
Journal of Comparative Neurology  
Experimental Brain Research  
Physiology and Behavior  
Journal of Undergraduate Neuroscience Education  
Louisiana State Board of Regents--Grants  
California Department of Health Services--Grants  
National Science Foundation--Grants  
Holt Rinehart Winston—Middle school textbooks  
Faculty for Undergraduate Neuroscience—travel awards for students  
Sinauer Associates—lab modules for publication  
Alzheimer's Association—grants  
Developmental Neurobiology

Neuroscience Letters  
Epileptic Disorders  
UCLA Psychology Undergraduate Research Conference 2010, 2011  
National Science Foundation, Course Curriculum and Laboratory  
Improvement grant review panel, 2009

## PROFESSIONAL AFFILIATIONS

Member, Society for Neuroscience

Member, Faculty for Undergraduate Neuroscience

Member, UCLA Brain Research Institute

Member, Society for the Advancement of Biology Education Research

Member, Microscopy Society of Southern California

## PUBLICATIONS

### **Articles** [*\* denotes undergraduate coauthor*]

Grisham, W., & Powers, A. S. (1989). Function of the dorsal and medial cortex in turtle discrimination learning. Behavioral Neuroscience, **103**, 991–997.

Grisham, W., & Powers, A. S. (1990). Effects of dorsal and medial cortex lesions on reversals in turtles. Physiology and Behavior, **47**, 43–47.

Grisham, W., Kerchner, M., & Ward, I. L. (1991). Prenatal stress alters sexually dimorphic nuclei in the spinal cord of male rats. Brain Research, **551**, 126–131.

Grisham, W., Casto, J. M., Kashon, M., Ward, O. B., & Ward, I. L. (1992). Prenatal flutamide alters sexually dimorphic nuclei in the spinal cord of male rats. Brain Research, **578**, 69–74.

Kashon, M., Ward, O. B., Grisham, W., & Ward, I. L. (1992). Prenatal  $\beta$ -endorphin can modulate some aspects of sexual differentiation in male rats. Behavioral Neuroscience, **106**, 555–562.

Grisham, W., Mathews, G. A., & Arnold, A. P. (1994). Local intracerebral implants of estrogen in development masculinize some aspects of the zebra finch song system. Journal of Neurobiology, **25**, 185–196.

- Grisham, W., & Arnold, A. P. (1994). Distribution of GABA-like immunoreactivity in the song system of the zebra finch. Brain Research, **651**, 115-122.
- Grisham, W., & Arnold, A. P. (1995). A direct comparison of the masculinizing effects of testosterone, androstenedione, estrogen, and progesterone on the development of the zebra finch song system. Journal of Neurobiology, **26**, 163-170.
- Jacobs, E. C., Grisham, W., & Arnold, A. P. (1995). Lack of a synergistic effect between estradiol and dihydrotestosterone in the masculinization of the zebra finch song system. Journal of Neurobiology, **27**, 513-591.
- Arnold, A. P., Wade, J., Grisham, W., & Jacobs, E. C., & Campagnoni, A. T. (1996). Sexual differentiation of the brain in songbirds. Developmental Neuroscience, **18**, 124-136.
- Grisham, W., Tam, A.\*, Greco, C. M.\*, Schlinger, B. A., & Arnold, A. P. (1997). A putative 5 $\alpha$ -reductase inhibitor demasculinizes portions of the zebra finch song system. Brain Research, **750**, 122-128.
- Grisham, W., Wade, J., & Arnold, A. P. (1997). Sexual differentiation of the songbird brain: Evidence for hormonal and non-hormonal mechanisms. In S. Harvey & R. J. Etches (Eds.) Perspectives in avian endocrinology. Journal of Endocrinology LTD: Bristol, England pp. 37-46.
- Schlinger, B. A., Lane, N. I., Grisham, W., & Thompson, L. (1999). Androgen synthesis in a songbird: A study of cyp17 (17 $\alpha$ -hydroxylase/c17,20 lyase) activity in the zebra finch. General and Comparative Endocrinology, **113**, 46-58.
- Grisham, W., Lee, J.\*, McCormick, M. E.\*, Yang-Stayner, K.\*, & Arnold, A. P. (2002). Antiandrogen blocks estrogen-induced masculinization of the song system in female zebra finches. Journal of Neurobiology, **51**, 1-8.
- Agate, R. J., Grisham, W., Wade, J., Mann, S., Wingfield, J., Schanen, C. Palotie, A., & Arnold, A. P. (2003). Neural, not gonadal, origin of brain sex differences in a gynandromorphic finch. Proceedings of the National Academy of Science, **100**(8), 4873-4878.
- Grisham, W., Jones, H. B.\*, & Park, S. H\*. (2003). Sex Differences and Organizational Effects of Androgen in Spinal Cord Motor Nuclei. Journal of Undergraduate Neuroscience Education, **2**(1), A29-A36.
- Arnold, A. P., Xu, J., Grisham, W., Chen, X., Kim, Y-H, & Itoh, Y. (2004) Minireview: Sex chromosomes and brain sexual differentiation or Do sex chromosomes influence the sex of the brain? Endocrinology, **145**, 1057-1062.

- Grisham, W. (2006) Resources for teaching mammalian neuroanatomy using sheep brains: A review. Journal of Undergraduate Neuroscience Education, 5(1).
- Grisham, W., Park, S. H.\*, Hsia, J. K.\*, Kim, C.\*, Leung, M. C.\*, Kim, L.\* & Arnold, A. P. (2007). Effects of long-term flutamide treatment during development in zebra finches. Neuroscience Letters, 418, 92-96.
- Mead, K., Dearworth, J., Grisham, W., Greta Ann Herin, G. A., Jarrard, H., Paul, C. A., Waldeck, R., Yates, J., & Young, J. (2007). IFEL TOUR: A description of the Introduction to FUN Electrophysiology Labs Workshop at Bowdoin College July 27-30. Journal of Undergraduate Neuroscience Education, 5(2).
- Grisham, W., Lee, J.\*, Park, S. H.\*, Mankowski, J. L.\*, & Arnold, A. P. (2008). A dose-response study of estradiol's effects on the developing zebra finch song system. Neuroscience Letters, 445, 158-161.
- Grisham, W., Schottler, N. A., & Krasne, F. B. (2008). SWIMMY: Free software for teaching neurophysiology of neuronal circuits. Journal of Undergraduate Neuroscience Education, 7(1), A1-A8.
- Dunbar, G.L., Lom, B., Grisham, W. & Ramirez, J.J. (2009). The Journal of Undergraduate Neuroscience Education: History, Challenges, and Future Developments. Journal of Undergraduate Neuroscience Education, 8(1), A78-A81.
- Grisham, W. (2009). Modular Digital Course in Undergraduate Neuroscience Education (MDCUNE): A Website Offering Free Digital Tools for Neuroscience Educators. Journal of Undergraduate Neuroscience Education, 8(1), A26-A31.
- Chen, X., Grisham, W., & Arnold, A. (2009). X chromosome number causes sex differences in gene expression in adult mouse striatum. European Journal of Neuroscience, 29(4), 768-776.
- Krasne, F. B., Wimmers, P., & Grisham, W. (2010). Swimmy: a virtual neurophysiology exercise examining central pattern generators involved in locomotion. Procedia Social and Behavioral Sciences, 2, 1281-1286.
- Grisham, W., Schottler, N. A., Valli-Marill, J., Beck, L. M., & Beatty, J. (2010). Teaching Bioinformatics and Neuroinformatics Using Free Web-based Tools. CBE Life Sciences Education, 9, 98-107.  
**--featured in CBE Life Sciences Education "Highlights of 2010"**
- Grisham, W., Schottler, N. A., Beck McCauley, L. M., Pham, A.P., Ruiz, M. L., Fong, M.C., & Cui, X. (2011). Using digital images of the zebra finch song system as a tool to teach organizational effects of steroid hormones: A free downloadable module. CBE Life Sciences Education (in press)

**Abstracts** [\* denotes undergraduate coauthor]

- Grisham, W. E., & Powers, A. S. (1982). Effects of lesions of the core nucleus on visual intensity difference thresholds in turtles. Neuroscience Abstracts, **8**, 207.
- Grisham, W., & Powers, A. S. (1984). Differential effects of medial and dorsal cortex lesions on spatial reversals in turtles (*Chrysemys picta*). Neuroscience Abstracts, **10**, 131.
- Grisham, W., & Powers, A. S. (1985). Effects of dorsal and medial cortex lesions on the acquisition and retention of a go–no–go discrimination by turtles. Neuroscience Abstracts, **11**, 1113.
- Grisham, W., & Powers, A. S. (1986). Effects of dorsal and medial cortex lesions in the acquisition, extinction, and reacquisition of a discrete trial operant in turtles. Neuroscience Abstracts, **12**, 749.
- Grisham, W., & Powers, A. S. (1987). Effects of lesions of the dorsal cortex and medial cortex on the reversal of a go/no–go discrimination in turtles. Neuroscience Abstracts, **13**, 1067.
- Grisham, W., & Ward, I. L. (1987). The sexually dimorphic spinal nucleus in copulating and noncopulating control and prenatally stressed male rats. Conference on Reproductive Behavior Abstracts, **19**, 63.
- Grisham, W., Kerchner, M., & Ward, I. L. (1988). Prenatal stress alters the dorsolateral nucleus of the spinal cord. Neuroscience Abstracts, **14**, 281.
- Kerchner, M., Grisham, W., & Ward, I. L. (1990). Reduction in the volume of the sexually dimorphic nucleus of the medial preoptic area (SDN–MPOA) resulting from prenatal stress is independent of deficient male copulatory patterns. Neuroscience Abstracts, **16**, 321.
- Grisham, W., Casto, J. M., Kashon, M. L., Ward, I. L., & Ward, O. B. (1991). Prenatal flutamide alters sexually dimorphic spinal nuclei. Neuroscience Abstracts, **17**, 131.
- Grisham, W., Casto, J. M., Kashon, M. L., Ward, I. L., & Ward, O. B. (1991). Prenatal androgen exposure reduces the incidence of large neurons in the dorsolateral nucleus of the spinal cord. Conference on Reproductive Behavior Abstracts, **23**.
- Grisham, W., & Arnold, A. P. (1992). GABA–like immunoreactivity in the song system of the zebra finch. Neuroscience Abstracts, **18**, 528.
- Grisham, W., Mathews, G. A., & Arnold, A. P. (1993). Local intracerebral implants of estrogen masculinize some aspects of the zebra finch song system. Neuroscience Abstracts, **19**, 1019.



- Grisham, W., Mathews, G. A., & Arnold, A. P. (1993). Brain implants of estrogen masculinize some aspects of the zebra finch song system. Conference on Reproductive Behavior Abstracts, **25**, 97.
- Uyehara, J. C., Grisham, W., & Arnold, A. P. (1994). Sexual monomorphism in hippocampal volume in brood-parasitic brown-headed cowbirds (*Molothrus Ater Obscurus*) from southern California. Animal Behavior Society Abstracts.
- Grisham, W., & Arnold, A. P. (1994). Comparison of the masculinizing effects of testosterone, estrogen, androstenedione, and progesterone on the zebra finch song system. Neuroscience Abstracts, **20**, 166.
- Grisham, W., & Arnold, A. P. (1994). Comparison of the effects of testosterone, estrogen, androstenedione, and progesterone in masculinizing the zebra finch song system. Conference on Reproductive Behavior Abstracts, **26**, 46.
- Grisham, W., & Arnold, A. P. (1995). Estrogen masculinizes the song system of zebra finches; androgens play little or no role. Conference on Reproductive Behavior Abstracts, **27**, 39.
- Grisham, W., Tam, A.\*, Greco, C. M.\*, Schlinger, B. A., & Arnold, A. P. (1995). 5 $\alpha$ -Reductase inhibitor demasculinizes the number of RA neurons in zebra finch song system. Neuroscience Abstracts, **21**, 40.
- Grisham, W., Tam, A.\*, Greco, C. M.\*, Schlinger, B. A., & Arnold, A. P. (1996). A putative 5 $\alpha$ -reductase inhibitor demasculinizes number of neurons in bird song nuclei. American Psychological Society Abstracts, **8**, 88.
- Lane, N., Grisham, W., Brown, S., Thompson, L., Arnold, A., & Schlinger, B. (1996). Plasma testosterone and tissue 17 $\alpha$ -hydroxylase activity in castrated and fadrozole treated male zebra finches. Neuroscience Abstracts, **22**, 156.
- Grisham, W., & Arnold, A. P. (1996). *In ovo* antiandrogen or antiestrogen does not alter the development of the song system in male zebra finches. Neuroscience Abstracts, **22**, 756.
- Grisham, W., Lee, J.\*, McCormick, M.\*, Yang-Stayner, K.\*, Kakar, R.\* & Arnold, A. P. (1998). Estrogen decreases the number of HVC neurons in male zebra finches but hypermasculinizes their size. Neuroscience Abstracts, **23**, 549.
- Grisham, W., Lee, J.\*, McCormick, M. E.\*, Yang-Stayner, K.\*, Kakar, N. R.\* & Arnold, A. P. (1999). Antiandrogen substantially blocks the estrogen-induced masculinization of the song system in female zebra finches. Neuroscience Abstracts, **23**, 865.

- Grisham, W., Lee, J.\*, McCormick, M. E.\*, Yang-Stayner, K.\*, Kakar, N. R.\* & Arnold, A. P. (1999). Estrogen-induced masculinization of the song system in female zebra finches is substantially blocked by co-administration of anti-androgen. Society for Behavioral Neuroendocrinology Abstracts.
- Lee, J.\*, Mankowski, J. L.\*, Arnold, A. P., & Grisham, W. (2000). Female zebra finch song system is masculinized by high but not low doses of estrogen. Neuroscience Abstracts, 24.
- Grisham, W. & Zaidel, E. (2001). Behavioral neuroscience lab exercise: Differences between hemispheres; evidence for right hemisphere language, and interactions due to diversity of student body. Neuroscience Abstracts, 25.
- Park, S. H.\*, Arnold, A. P., & Grisham, W. (2004). Estrogen receptor blocker does not alter neural song system in male zebra finches. UCLA 2004 Neural Control of Behavior Conference.
- Grisham, W., Jones, H. B.\*, & Park, S. H.\* (2004). Computer-based exploration of CNS sex differences and hormonal influence during development. Society for Neuroscience Abstracts, 29.
- Grisham, W., Park, S. H.\*, Hsia, J. K.\*, Kim, C.\*, Leung, M. C.\*, & Arnold, A. P. (2004). Long-term exposure to anti-androgen during development dramatically alters testes but slightly alters song system in zebra finches. Society for Neuroscience Abstracts, 29.
- Grisham, W. E., Kim, C.\*, Schlinger, B. A., & Soma, K. K. (2005). DHEA alters aspects of song system in development. Society for Neuroscience Abstracts, 30.
- Grisham, W. E., & Krasne, F. B. (2005). SWIMMY: A virtual neurophysiology exercise examining central pattern generators involved in locomotion. Society for Neuroscience Abstracts, 30.
- Arnold, A. P., Chen, X., Itoh, Y., Grisham, W., Kim, Y-H., & Agate, R. (2006). Sexual differentiation of the zebra finch brain. International Symposium on Vertebrate Sex Determination.
- Itoh, Y., Chen, X., Kim, Y-H, Grisham, W., Agate, R., Wingfield, J., Wade, J. & Arnold, A. P. (2006). Brain masculinization in the absence of testes in a mutant zebra finch. Society for Behavioral Neuroendocrinology Abstracts.
- Grisham, W., & Beatty, J. T. (2006). Teaching bioinformatics/neuroinformatics using web-based resources. Society for Neuroscience Abstracts, 31.
- Chen, X. Q., Grisham, W. E., & Arnold, A.P. (2006). Zebra finch sex difference in forebrain trkB expression: ontogeny and lack of regulation by androgens or estrogens. Society for Neuroscience Abstracts, 31.

- Chen, X. Q., Grisham, W. E., & Arnold, A.P. (2006). Sex chromosome complement influences expression of prodynorphin and preprotachykinin in adult mouse striatum. Society for Neuroscience Abstracts, 31.
- Itoh, Y., Chen, X., Kim, Y., Grisham, W., Agate, R. J., Jackson, D., Wingfield, Wade, J., & Arnold, A. P. (2006). Brain masculinization in the absence of testes in a ZZ zebra finch. Society for Neuroscience Abstracts, 31.
- Grisham, W., & McFann, J-A. (2007). Using reflective learning and pretest sensitization as interventions in teaching neuroscience laboratories. Society for Neuroscience Abstracts, 32.
- Grisham, W., Itoh, Y., Kim, Y-H., Chen, X., Agate, R., Wingfield, J., & Arthur P. Arnold, A. P. (2007). A detailed cellular analysis of the brain of an egg-laying zebra finch with male karyotype. Neuroscience Abstracts, 32.
- Grisham, W., Jones, H. B.\*, & Park, S. H.\* (2008). Computer-based exploration of CNS sex differences and hormonal influence during development. Alternative Models for Animal Research Workshop at UCLA.
- Lom, B. M., Dunbar, G., & Grisham, W. (2008). The Journal of Undergraduate Neuroscience Education (JUNE): an open journal of pedagogical innovations. Neuroscience Abstracts, 33.
- Grisham, W., Schottler, N. A., & Krasne, F. B. (2008). SWIMMY: inquiry-based, free software providing experience with basic neurophysiology and mechanisms of motor pattern generation. Neuroscience Abstracts, 33.
- Grisham, W. (2008) Modular Digital Course for Undergraduate Neuroscience Education <http://mdcune.psych.ucla.edu/>. Poster presented at the National Science Foundation Course Curriculum and Laboratory Improvement Conference.
- Dunbar, G., Lom, B. M., & Grisham, W. (2009). Journal of Undergraduate Neuroscience Education (JUNE): Free resources for undergraduate faculty. Neuroscience Abstracts, 34.
- Grisham, W., Schottler, N. A., & Beatty, J. (2009). Using bioinformatic/neuroinformatic resources to teach undergraduate students. Neuroscience Abstracts, 34.
- Dunbar, G., Lom, B. A., & Grisham, W. (2010). JUNE—Journal of Undergraduate Neuroscience Education: an open access resource for neuroscience educators. Neuroscience Abstracts, 35.
- Grisham, W., Schottler, N.A., Beck, L., Cui, X.\*, Fong, M.\*, & Ruiz, M. L.\* (2010). Free digital lab using the zebra finch song system as a teaching tool <http://mdcune.psych.ucla.edu/modules/birdsong>. Neuroscience Abstracts, 35.

Borowski, T., Ruiz, M. L.\*, Fong, M.\*, Cui, X.\* & Grisham, W. (2010). Effects of Indomethacin on the development of the song system in zebra finches. Neuroscience Abstracts, 35.

Hanson, A.\*, Grisham, W., Scadeng, M., & Ridgway S. (2010). Comparative anatomy of the dolphin and human cerebellum. Neuroscience Abstracts, 35.

Grisham, W. (2011). Modular Digital Course for Undergraduate Neuroscience Education <http://mdcune.psych.ucla.edu/>: A progress report. Poster presented at the National Science Foundation Course Curriculum and Laboratory Improvement Conference.

Grisham, W. (2011). Free Online Brain Science Labs. Presentation at the Cyberlearning Tools for STEM Education (CyTSE) Conference, Berkeley, CA. March 8-9 2011.

**Press Release** (at request of Society for Neuroscience)

Grisham, W., & Zaidel, E. (2001). Behavioral neuroscience lab exercise: Differences between hemispheres; evidence for right hemisphere language; variations due to diversity of student body.

## **STUDENT RESEARCH PROJECTS**

Directed individual research projects for 24 UCLA undergraduate students and 3 Claremont College Students

## **COMMUNITY SERVICE**

Guest Lectures to the following on brain & behavior:

Estes McDoniel Elementary School, Henderson, NV  
O'Callaghan Middle School, Las Vegas, NV  
Venice High School, Venice, CA  
Montclair Preparatory School, Los Angeles, CA  
(tour of UCLA Psychobiology Lab)  
Fay Herron Elementary School, Las Vegas, NV  
APA/NIGMS Scholars program  
(tour of UCLA Psychobiology Lab to prospective minority scholars)  
Westside Leadership Magnet School, Los Angeles, CA  
Roosevelt Elementary School, Lawndale, CA, 2005  
Psychology Department Staff—staff appreciation day  
Community Magnet School, Los Angeles, CA, 2005-2010

## **OTHER VOLUNTEER WORK**

- Represented the Society for Neuroscience at booth at National Science Teachers Association annual conference April 2006.
- Volunteer at Science Olympiad, 2005-2006 California State University, Pomona.
- Chaired Charity Poker Tournament for Half the Sky—an organization dedicated to improving the quality of life for children in Chinese Orphanages 2005.
- Built a house in Mexico with Corazon volunteers for a family that had no shelter.
- Taught extracurricular chess class, Westside Chinese School, Los Angeles, 2010.