

CAROLINE CURRICULUM-VITAE

Curriculum Vitae

1001 E. University Ave., SU Box 1234, Georgetown, Texas 78626
(512) 555-4418
curricuc@southwestern.edu

EDUCATION

Bachelor of Science in Psychology and Biology with honors

Southwestern University
Major GPA 3.89

December 20__
Georgetown, TX
Cumulative GPA 3.85

HONORS

2nd place, Psi Chi/Allyn & Bacon Nationwide Paper Competition
Psi Chi Regional Research Award, Southwestern Psychological Association
Merck Scholar
Southwestern University Academic Scholarship
Dean's List
National Merit Scholar Finalist

20__
20__

RESEARCH EXPERIENCE

Behavioral Neuroscience Research Assistant, Southwestern University

Dr. Fay A. Guarraci, Psychology Department

- Investigate role of amphetamine in paced mating behavior of female rats
- Administer i.p. and s.c. injections in rats
- Perform stereotaxic brain surgery and ovariectomies in rats
- Observe rodent mating behavior in semi-natural setting
- Enter and analyzed data using Excel and SPSS
- Histological preparation of brain tissue
- Assist in preparation of manuscript published in peer reviewed scientific journal
- Presented results at national conference

January 20__ – Present
Georgetown, TX

Behavioral Genetics Research Assistant, UT Health Science Center in San Antonio

Dr. Consuelo Walss-Bass, Department of Pharmacology

- Investigated functionality of novel missense mutation associated with schizophrenia
- Participated in experimental design of project
- Isolated human RNA from lymphoblastoid cells, performed RT-PCR, and gel electrophoresis
- Used Taqman RT-PCR to measure levels of mRNA
- Performed protein extraction and Western Blot analysis
- Presented results at seminar held at UTHSCSA attended by physicians, other students, and scientists

May – August 20__
San Antonio, TX

Biology Research Assistant, Merck Undergraduate Research Program

Dr. Maria Cuevas, Biology Department, Southwestern University

- Investigated effects of Tamoxifen and 17B Estradiol on human cervical cancer cell line HELA
- Performed cell counts using hemocytometer, trypan dye exclusion assays, and microplate reader
- Performed DNA and protein isolation techniques followed by gel electrophoresis and Western Blot analysis, respectively
- Earned invitation to present result at state conference.

January – August 20__
Georgetown, TX

OTHER EXPERIENCE

Research Methods I Teaching Assistant

Dr. Fay A. Guarraci, Dr. Kevin Woo, Southwestern University

- Lecture on course material
- Guide students on proper experimental design and literature review for projects
- Grade homework, exams, and research papers
- Hold review sessions for exams and office hours to provide advice on student research papers

August 20__ – Present
Georgetown, TX

CAROLINE CURRICULUM-VITAE

OTHER EXPERIENCE, Continued

SMaRT (Science and Math Achiever Teams) Day Coordinator

August 20__ – Present
Georgetown, TX

Southwestern University/Williamson and Cooper Elementary Schools

- Plan weekly agendas for after school program aimed at teaching elementary students about science through inquiry
- Evaluate progress of program participants
- Address delays in progress by providing direction to participants
- Supervise weekly meetings
- Ordered materials necessary for the program

PUBLICATIONS

Guarraci, F. A., Curriculum-Vitae, C., (20__). Intracranial infusions of amphetamine into the medial preoptic area but not the nucleus accumbens affect paced mating behavior in female rats. *Pharmacology, Biochemistry, and Behavior*, 89, 253-262.

POSTERS AND PRESENTATIONS

Curriculum-Vitae, C., Cuevas, M. (20__). *In vitro* effects of 4-OH Tamoxifen and 17 Beta-Estradiol on the human cervical cell line HELA. Oral presentation, Merck Seminar, Southwestern University.

Curriculum-Vitae, C., Cuevas, M. (20__). *In vitro* effects of 4-OH Tamoxifen and 17 Beta-Estradiol on the human cervical cell line HELA. Poster Presentation, Texas Academy of Sciences Conference, Waco, TX.

Curriculum-Vitae, C., Walss-Bass, C. (20__). The functionality of a novel missense mutation associated with schizophrenia. Oral presentation, Undergraduate Research Seminar, UT Health Science Center San Antonio, San Antonio, TX.

Guarraci, F.A., Curriculum-Vitae, C., (20__). Intracranial infusions of amphetamine into the medial preoptic area but not the nucleus accumbens affect paced mating behavior in female rats. Poster presentation, 37th Annual Meeting of the Society for Neuroscience, San Diego, CA.

PROFESSIONAL AFFILIATIONS / ACTIVITIES

President, Psi Chi, National Honor Society in Psychology (20__ – present)

Southwestern Psychological Association, Student Affiliate (20__ – present)

Alpha Phi Omega (service fraternity)

SKILLS

Laboratory: Experimental design, rat husbandry, stereotaxic surgery, i.p. and s.c. injections; aseptic surgical technique; histological preparation and examination; eukaryotic cell culture; prokaryotic cell culture; DNA and RNA extraction; PCR, reverse-transcription PCR, and real-time PCR; Western blot

Computer: PC and Mac; SPSS; Microsoft Word, PowerPoint, Excel; Google Suite

Languages: Spanish (advanced conversational); English