CURRICULUM VITAE

JOE P. SAMPLES
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(If you are in a laboratory at UTSA, and will be there for some time, you can use your UTSA address. If you are going to be graduating, use your home address)

Career Objective: Complete a doctorate in Microbiology and pursue a career in research. (Good for UG or M.S. students applying for graduate programs)

Estimated Graduation Date: (Use as undergraduate or MS, going for Ph.D., if you've not graduated)

Education:

University of Texas Health Science Center at San Antonio	Postdoc.	Cell & Structural Biology	1996
Tulane University, New Orleans, LA	Ph.D.	Neuroscience Interdisciplinary Training Program	1995
Tulane University, New Orleans, LA	M.S.	Biomedical Engineering	1992
University of Texas at San Antonio	B.S.	Psychobiology	1986

Doctoral Thesis: (could also put Honors thesis, MS thesis…otherwise leave out.)

Induced Regeneration and Gene Expression in the Chick Limb Bud – Examined developmental phenomena and stage-related barriers to regeneration in higher vertebrates, focusing on Msx-1 and HoxD homeobox expression.

Professional Experience: (or Work Experience or Positions Held) (mandatory; start with most recent and put degree related positions here. If you have work experience that shows responsibility, but is not related to your degree, you may split the table and list these additional jobs at the end of this CV. Eventually, you will leave out minor student jobs)

University of Texas at San Antonio San Antonio, TX

2001-2003	Undergraduate (or Graduate) Research Assistant MBRS-RISE Research Training Program Center for Research and Training in the Sciences
1999-2001	Teaching Assistant, Introductory Biology Laboratory Department of Biology
1997-1999	Undergraduate Research Assistant MARC U*STAR Honors Research Training Program Center for Research and Training in the Sciences

University of California, Los Angeles Los Angeles, CA

2000 Research Assistant – UCLA Summer AWU-DOE Summer Research Program
Department of Neurobiology

University of Texas Health Science Center at San Antonio San Antonio, TX

1994-1995 Research Assistant – Department of Cell and Structural Biology

DGMMM Laboratories Houston, TX

1992-1993 Quality Assurance Analyst, Quality Assurance Department

Research Experience:

University of Texas at San Antonio – Mentor: Abigail P. Wigglesworth - Fatemapping of developing serotonergic neurons in *Drosophila melanogaster*

University of California, Los Angeles – Mentor: Antonio Varriation – Microcinematographic analysis of impact of prenatal methyl mercury exposure on dendritic tree of cerebellar purkinje cells in rats

Research Interests:

Neurobiology – Learning and memory, long term potentiation
Respiratory Biology
Physiology of Vision
Cell and Molecular Biology – Cell adhesion and cancer biology

Fellowships, Honors and Awards: (Include if you have more than one honor/award)

Graduated Magna Cum Laude, UTSA	2008
Gold Key National Honor Society	2008
Minority Access to Research Careers-Undergraduate Student Training for Academic Research (MARC-U*STAR) Trainee	2006-2008
Annual Biomedical Research Conference for Minority Students Travel Award	2006, 2007
Winner, Society for the Advancement of Chicanos and Native Americans in Science, Graduate Poster Competition	2006
Minority Biomedical Research Support-Research Initiative for Scientific Enhancement (MBRS-RISE) Trainee	2005-2006
University of California Berkeley Summer Research Fellowship	2005

Techniques: (Can include to show skills when young researcher. Drop as mature)

RT-PCR
Confocal Microscopy
Hippocampal Field Potential Recording
Genomic and plasmid DNA, and RNA isolation and purification
Western Blotting
Morris Maze – Behavioral testing
Tissue Culture – Primary and Cell Line
Agarose and acrylamide gel electrophoresis
RNase protection assays

Professional Affiliations: (join professional organizations at student rates!)

Society for Advancement of Chicanos and Native Americans in Science
Society for Neuroscience (student member)
International Brain Research Organization
Women in Science and Engineering
Women in Neuroscience

Course Instruction Experience: (Only put for classes that YOU actually taught.)

Professional Skills Development for Graduate Students (graduate)
Introductory Genetics lecture (undergraduate)
Advanced Neurobiology Laboratory, UTSA (co-developed, undergraduate)
Neurobiology Laboratory (developed, undergraduate)
General Biology Laboratory (undergraduate)

Continuing Education and Workshops: (optional – good for beginning researcher)

John Maxwell's Maximum Impact Simulcast – The 360 Degree Leader.	2008
Writing Winning Grants- Grant Writers' Seminars and Workshops for Biomedical Research Scientists. UT San Antonio	2007
Teaching Survival Skills and Ethics Conference (NIMH and MIMDS) 5 day workshop,	2006-2008

The Art and Skill of Negotiating, Women in Neuroscience Workshop, Society for Neuroscience Annual Meeting, San Diego 2006, 2007
Labview Programming, Basics I and II. 5 day course, National Instruments, Austin TX 2006

Scientific Conferences Attended: (optional- only for lower level students)

Annual Biomedical Research Conference for Minority Students - 2001, 2000
Society for the Advance of Chicanos and Native Americans in Science – 2000
Society for Neuroscience Annual Conference - 2000, 1999, 1998

Committee Service: (Optional; put if have been on committees)

Member, Colloquium Committee, Department of Biology, University of Texas at San Antonio
Member, Student Selection Committee, MBRS-RISE Program, University of Texas at San Antonio

Extracurricular Activities: (Optional - Probably good for applying for Graduate school but not after)

Registered Student Organization: BioScience Ph.D. Students (BiPS), Treasurer, 2008
MBRS RISE Student Member, Student Selection and Retention Committee 2007

Community Service: (Optional – Like Extracurricular Activities…good to show community involvement)

Science Fair Judge, Fortress Christian Academy, San Antonio, Texas 2008
Brain Awareness Week, Witte Museum and San Antonio Children's Museum, San Antonio 2007
Career Day Lecturer, Jefferson Jr. High School, San Antonio Independent School District 2006-2008

Oral and Poster Presentations: (optional – or Invited Lectures)

Embryonic limb bud regulation correlates with *Msx1* expression. Oral - University of Texas at San Antonio Health Science Center – Annual Dental Research Day. San Antonio, TX, 2001

A direct method for extraction of mRNA from frozen sections for use in RT-PCR. Poster - Society for Advancement of Chicanos and Native Americans in Science, Atlanta, GA, 2000

Publications: (mandatory! Eventually can put number and then list most recent, unless need a "complete" CV)

Original Journal Articles:

Taylor GP, Troyer, DA, Giambernardi TA and Klebe RJ. (1998) Extraction of RNA from single frozen sections. J Pathol. 184(3):332-5

Taylor, GP, Anderson, RA, Reginelli, AD and Muneoka, K (1994). FGF-2 induces regeneration of the Chick limb bud. Dev. Biol, 163, 282-284 .

Anderson, R, Landry, M, Reginelli, A, **Taylor**, G, Achkar, C, Gudas, L, and Muneoka, K (1994). Conversion of anterior limb bud cells to ZPA signaling cells in vitro and in vivo. Dev. Biol.,164, 241-257.

Abstracts:

Taylor, GP, Troyer, DA, Grant, FM, Giambernardi, TA, and Klebe, RJ (1996). A direct method for extraction of mRNA from frozen sections for use in RT-PCR. Abstract, 6th Annual Symposium on Cancer Research in San Antonio.

Taylor-Zimmermann, GP and Muneoka, K (1993). Embryonic limb bud regulation correlates with *Msx1* expression. Molecular Biology of the Cell 4 (suppl), 145a. (ASCB Abstract)

Currently Funded Research Grants: (only if you have one!)

NIH (NINDS/NCRR/ORMH, RFA NS-99-001) 09/01/05-08/31/10
"Integrins and Proteoglycans in Long-term Potentiation" $1,355,644
The major goals of this grant are to identify the precise integrins and proteoglycans that play a role in Long-term Potentiation in area CA1 of rat hippocampus. (J.G. Samples, PI; J.G. Wiggledorf, Jr., Co-PI)

Completed Research Grants:

NIH (SCORE) 08/01/99-07/31/03
Title: Functional Properties of Human RG-991A Protein in Eye Development $382,466
The major goals of this grant are to test an extracellular matrix protein for cell adhesion and axon extension activity and test RG-991A mutants for a causative effect in corneal dystrophy.

Other Possible Headings (also optional)

Doctoral/MS/Undergraduate Theses Supervised
Collaborators
Students Mentored (with current activities and location)

Reviews of Manuscripts and Proposals: (also optional)

Nature, Science, Ecological Monographs, American Naturalist, Ecology, Oikos, Journal of Ecology, Ecology Letters

References: (also optional…or can say "Available on Request")

Dr. Abigail P. Wigglesworth	210-458-5555	Research Mentor, UTSA
Dr. Parisol Showers	818-458-5555	Research Mentor, UCLA
Dr. Standoff Ish	210-458-5555	Biology Instructor
Dr. Andrew Martinez*	210-458-5555*	MBRS-RISE, MARC Program Director