

Stephen F. Austin State University
Annual Report for Recognized Centers, Institutes, and Specialized Testing
or Service Laboratories

Name of Center: Human Neuroscience Laboratory

Year of Report: 2013-2014

Physical Location: HSTC 105

SFA P.O. Box: 13019

Center's Web Address: www.sfasu.edu/humanservices/148asp

Director's Name: Luis E. Aguerrevere Ph.D.

E-mail Address: aguerrevle@sfasu.edu

Phone: (936) 468-1153

Mission Statement:

New

Revised

Unchanged

Goals, Objectives, and Related Achievements for the Reporting Year:

The Human Neuroscience center primary objective is to explore the links between the human brain. Accordingly, the ultimate goal of the HNL is to create and apply brain-behavior knowledge that will illuminate our collective understanding of individual differences in perception, learning, coping with difficulties, as well as to help determine correlations between brain activity and mental capabilities. This past year, we conducted five experiments. In these experiments we included a 130 student/participants, totaling 364 hours of direct contact. The demographics of these participants are similar to the demographics of the University pool. In these experiments, the HNL have the assistance of two graduate students (one from Human Services and 1 from Psychology) and seven undergraduate students. All of which are closely (weekly) supervised by Dr. Aguerrevere. During these experiments the equipments used were the Visagraph eye tracker, the Quantitative EEG and EEG biofeedback equipments from BrainMaster, the BiTrace Biofeedback equipment, the Continuous Performance

Goals, Objectives, and Expected Outcomes for the Upcoming Year:

For 2014-2015, the HNL is expecting to receive a QEEG reporting software (Neuroguide) , a new and better eye tracker (by Tobii technologies), a new neurosensory analyzer (by Medoc), and 2 computers that can handle these data analysis. These equipment comes from a 2013-2014 ORSP development grant obtained. Overall, we expect the equipment to provide a higher validity and reliability to the research that is currently conducted at the HNL. In specific, the updates will help us better address applied issues of human brain-behavior interactions, which will include relations between brain functioning and neuropsychological testing, eye-tracking and athletic skills, neuromodulators of sports injuries.

Changes in Center Organization and/or Faculty/Staff, if any:

Luis E Aguerrevere is the Director

Concerns or Obstacles:

none

Special Needs or Requests:

none

Annual Assessment

Annual Reporting

A center will prepare an annual report for the dean of their respective colleges or to a Vice President, as appropriate. A common template for reporting is provided for consistency, although department chairs/colleges may add to the template to meet individual needs. For example, a financial statement may be required.

Inventory and Website

Each center will provide annual updates to the Office of Research and Sponsored Programs (ORSP), as needed, to ensure that the center inventory and website is up-to-date. This may be in the form of the annual report described above, or in another format developed by ORSP.

Required Periodic Reapplication and Center Dissolution

A center will be disbanded within five years of the fiscal year in which it received initial approval unless a request for review and continuation is submitted. This request will be made no less frequently than five years to the appropriate administrative unit (department, college, or university) within a timetable established by the administrative unit.

The review process will include, at a minimum, criteria that assess the effectiveness of the center in meeting its mission and objectives, including obtaining external or internal funding and/or the level of activity of the center.

Decisions to continue or dissolve a center will be documented on a Recommendation to Establish, Continue, or Dissolve a Center, Institute, and Specialized Testing or Service Laboratory form that when completed is submitted to the Office of Research and Sponsored Programs for recording.