

## **LORETA Z Score Student Scholarship Application**

Student Scholarships consisting of Free NeuroGuide software are available to students that submit a meritorious research project in the use of LORETA Z score EEG biofeedback. The goal is to support education and to encourage qualified students to publish qEEG studies and especially neurofeedback outcome studies. The scholarship software will include the complete NeuroGuide package of: LORETA normative database, NeuroStat and NeuroBatch, Connectivity Suite and LORETA Z score biofeedback (NF2). NeuroStat provides mouse click control over statistical comparisons between pre-treatment vs. post-treatment EEG for both individual subjects as well as groups of subjects. NeuroBatch provides for automatic processing of large groups of subjects in preparation for statistical analyses. These programs create color topographic maps of absolute differences, percent differences, repeated measures analysis of variance, paired t-tests, independent t-tests, standard deviations and many other useful statistics that were specifically designed for the analysis of neurofeedback outcome studies. Those who are interested can learn about the details of these programs in the NeuroGuide Manual at:

<http://www.appliedneuroscience.com/NeuroGuide-Help.pdf>

The scholarship includes a renewable single user license and there will be no limit on the number of runs of the software during the course of the student's research studies.

Details of the software scholarship and the application procedure and terms of the scholarship can be downloaded at [www.appliedneuroscience.com/index.html](http://www.appliedneuroscience.com/index.html)

We welcome all those who are interested to apply.

Applied Neuroscience, Inc.

Terms and Conditions:

- 1) To be eligible the student must provide written proof of full-time student status in a doctoral level program. An email from the student's thesis advisor or department chairman will satisfy this requirement.
- 2) The student must submit a 1 to 2 page description of his/her research design that includes a statement of purpose, methods, proposed analyses and estimated beginning and ending dates. The application must include the student's full name, address, telephone number, institution affiliation and location(s) where the research is to be conducted. Applicants are to email the application either inside an email or as an attachment to an email to [qeeg@appliedneuroscience.com](mailto:qeeg@appliedneuroscience.com).

3) Each scholarship application will be reviewed by Applied Neuroscience, Inc. and the most meritorious research proposals will be awarded a NeuroGuide Software scholarship. The criteria for granting a scholarship will be 1- purposes of the research proposal, 2- quality of the research design, and 3- the clinical and/or research value of the proposed research. Acknowledgement of receipt of the application will be by email and, after review, a reply to all applications will be sent. Awardees of the scholarship will be notified in writing.

4) Each scholarship will consist of a renewable single user's license. Please download Neuroguide Deluxe from: <http://www.appliedneuroscience.com/Contact%20Download1.htm> and save the .zip file in a folder on your computer. Then unzip and save the installation files in the same folder and then double click setup.exe to install neuroguide. Please launch neuroguide and copy and paste the security key A into an email to [rwthatcher@yahoo.com](mailto:rwthatcher@yahoo.com) and after approval of the scholarship application we will email back a key B to unlock the software.

5) During the course of the student's research activities the awardees will have access to all of the programs listed above. At the termination of the research the NeuroGuide license will expire and the status of the single user's license will be evaluated at that time. Expiration of the license will also occur if the student leaves school or otherwise does not continue with his/her research activities.

Best regards.

Robert Thatcher, Ph.D.