

DEAN'S ADVISORY COMMITTEE
STUDENT VENTURE GRANT APPLICATION

Please read all instructions and regulations on the reverse side of this sheet prior to the completion of this form. The original plus 6 copies of your proposal are due in the Dean's Office on the 2nd Friday of the Block by 1:00 p.m.

DATE SUBMITTED September 7, 2004

NAME [REDACTED] CLASS '05 WORNER BOX [REDACTED] EXT. [REDACTED]

ID # [REDACTED] HOMETOWN (Not Address) Colorado Springs, CO

NAME same → CLASS _____ WORNER BOX _____ EXT. _____

ID # _____ HOMETOWN (Not Address) _____

NAME OF ORGANIZATION Psychology/Neuroscience Dept. (society for Neuroscience)

BRIEF DESCRIPTION OF INTENDED USE OF FUNDS

The Venture Grant funds would be used to pay for transportation, room, board, and registration fees for the 2004 Society for Neuroscience annual conference in San Diego, California, where I am presenting original research

PROPOSED DATE/BLOCK OF USE Block 2 (Oct. 22-24, 2004)

NAME OF FACULTY SPONSOR Bob Jacobs

HAVE YOU BEEN THE RECIPIENT OF A PREVIOUS VENTURE GRANT Yes No

IF SO, WHAT AMOUNT? \$800 WHEN? November 2003 REPORT SUBMITTED? N/A

TOTAL AMOUNT OF VENTURE FUNDS NOW REQUESTED \$830.90

ARE YOU SEEKING OTHER FUNDING FOR THIS PROPOSAL? Yes No

IF YES, WHAT IS THE SOURCE? _____

If this proposal is approved, I understand that it is my responsibility to notify the Dean's Office immediately if I do not pursue my project as proposed to the Dean's Advisory Committee. I further understand that all funds are to be used according to the proposal as submitted and approved by the Dean's Advisory Committee. Any changes to an approved project must be submitted to the Chair of the Committee for approval. Please note: the IRS requires that we report Venture Funds as taxable income.

SIGNATURE [REDACTED] DATE September 7, 2004

*****DO NOT WRITE BELOW THIS LINE*****

DATE _____ ACTION TAKEN _____ DATE _____

BLOCKS TO BE USED _____ REPORT SUBMITTED _____

COMMENTS AND SUGGESTIONS:

[REDACTED]
Venture Grant proposal

September 6, 2004

Neuroscience is becoming an increasingly valuable academic discipline, with a profound impact on evolving medical fields, psychological work, and physical therapy. Research in Neuroscience occurs on an immense scale, and in order to keep current with relevant developments, the Society for Neuroscience hosts an annual conference to provide for scholarly exchange of ideas and information in this subject. The 2004 conference is being held in San Diego, California from October 23 until October 27 and will exhibit over 13,000 scientific abstracts from throughout the world. A poster from the Colorado College Laboratory of Quantitative Neuromorphology, entitled "Regional Dendritic Variation in Human Insular Cortex: A Quantitative Golgi Analysis," will be on display, and as a co-author of this poster, I ask the Dean's Advisory Committee to award me Venture Grant funding, so that I may attend the conference to present the research.

The Colorado College Laboratory of Quantitative Neuromorphology, chaired by Professor Bob Jacobs, has offered Colorado College students many unparalleled undergraduate opportunities to conduct Neuroscience research, often using human brain specimens. The research being presented at the conference analyzes the quantitative complexity of dendritic branching in pyramidal neurons from three regions of the insula, a part of the brain that has received minimal research interest, due largely to its inconspicuous location in the brain. Hyo Lee, a 2004 Colorado College graduate and a primary author of the research, will be presenting his findings as a part of his senior thesis at the conference. The work has already been displayed at the 2004 Colorado College Psychology Day and other regional scientific conferences, and it will continue to be on display in the Psychology Department after the conference. This study was also analogous to previous research that I have presented at the Society for Neuroscience 2003 conference, that of quantifying dendritic branching in neonatal cortex.

The conference is not only an opportunity to present the research with Hyo and the other authors, but also an occasion to meet and interact with fellow neuroscientists. Numerous

distinguished and knowledgeable neuroscientists will be attending the conference, as well as many Colorado College graduates who have pursued Neuroscience after their undergraduate work. Attending this conference will be an extremely helpful experience as I continue to pursue research in Neuroscience. Every year, at the conference, many organizations with a special interest in students with a Neuroscience background recruit students to work for them in the future. The National Institutes of Health, a focal point for biomedical research in the United States, is among these organizations. In January, I will be applying for a position in a research laboratory at NIH for the year after I graduate. Being able to speak with their representatives at the conference would be greatly beneficial to my future plans. I also fully intend to share my experience with fellow Neuroscience and Psychology majors at the Neuroscience and Psychology majors' meetings, as our school's resources should be emphasized as a venue through which students can delve deeply into the professional aspects of our interests. After attending last year's conference, I discussed my experience with a fellow Neuroscience major, who will be attending the 2004 conference. Additionally, I conducted my own senior thesis research during this past summer and, with my thesis advisor, Professor Lori Driscoll, will be presenting this research at the 2005 Society for Neuroscience conference in Washington DC.

The Society for Neuroscience arranges student discounts for room and registration to accommodate the often restricted budget of undergraduate students. The following list details the requested funding to attend three days of the five-day conference.

1. Transportation (round-trip airfare)	\$465.90
2. Room (hotel- \$95.00 per night for two evenings)*	\$190.00
3. Board (\$25 per day for three days)	\$75.00
4. Registration fee (student rate)	\$100.00
Total requested:	\$830.90

*The amount reflects the savings by sharing a room with another conference attendee. Under usual circumstances, the hotel room is \$190.00 per night for double occupancy.