

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 9-15-04

NAME [REDACTED] CLASS 04 WORNER BOX [REDACTED] EXT. [REDACTED]

ID # [REDACTED] HOMETOWN (Not Address) Albuquerque, NM

NAME \_\_\_\_\_ CLASS \_\_\_\_\_ WORNER BOX \_\_\_\_\_ EXT. \_\_\_\_\_

ID # \_\_\_\_\_ HOMETOWN (Not Address) \_\_\_\_\_

NAME OF ORGANIZATION Colorado College Laboratory of Quantitative Neuroanatomy

BRIEF DESCRIPTION OF INTENDED USE OF FUNDS

Attend the annual meeting of the Society for Neuroscience

1.) To present work for which I am a co-author

2.) To participate in workshops, lectures & poster presentations

PROPOSED DATE/BLOCK OF USE October 23-25<sup>th</sup> Block 2

NAME OF FACULTY SPONSOR Bob Jacobs

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

IF SO, WHAT AMOUNT? \_\_\_\_\_ WHEN? \_\_\_\_\_ REPORT SUBMITTED? \_\_\_\_\_

TOTAL AMOUNT OF VENTURE FUNDS NOW REQUESTED \$ 697.80

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 9-13-04  
\*\*\*\*\*DO NOT WRITE BELOW THIS LINE\*\*\*\*\*

DATE \_\_\_\_\_ ACTION TAKEN \_\_\_\_\_ DATE \_\_\_\_\_

BLOCKS TO BE USED \_\_\_\_\_ REPORT SUBMITTED \_\_\_\_\_

COMMENTS AND SUGGESTIONS:

[REDACTED]

Venture Grant Proposal

September 12, 2004

The current state of neuroscientific inquiry is the culmination of nearly 400 years of biologic and philosophic investigation. In the true spirit of science, and in an attempt to stay abreast with the most recent findings, scientists from around the globe will assemble in San Diego this October 23-27<sup>th</sup> to take part in the Society for Neuroscience's (SFN) annual meeting. This year's meeting will greet more than thirty thousand scientists to 28 symposia, 12 special lectures and nearly sixteen thousand abstracts. One of the posters presented at this year's conference will come from the Colorado College Laboratory of Quantitative Neuromorphology. As a co-author of this paper, I ask the Dean's Advisory Committee to award Venture Grant funds so that I can attend the conference and present this research on the days October 23-25<sup>th</sup>.

The Colorado College offers a unique opportunity for undergraduates to collaborate with professors throughout the entire process of scientific inquiry. For years, Bob Jacobs, the principle investigator in the Laboratory of Quantitative Neuromorphology, has utilized this collaboration to foster maturity in thought, diligence, and attention to detail in the undergraduates he collaborates with. This year's research, titled "Regional Dendritic Variation in Human Insular Cortex: A Quantitative Golgi Study", elucidated the variation in dendritic structure for neurons in insular cortex in healthy humans, and compared dendritic structures across all areas of the neo-cortex. Hyo Lee, the first author of this paper and a recent Colorado College graduate, has registered this research into this year's SFN annual meeting. As co-author of this paper, my

attendance at the SFN conference is an opportunity to extend the college's desire to create thoughtful, diligent, and mature thinkers, adequately equipped to communicate their ideas. My attendance at the SFN conference will also facilitate my own thesis research, which will explore similar aspects of the insular cortex, by exposing me to current research in quantitative neuromorphology, and by exposing me to the context within which my thesis research exists.

Upon my return from the conference, I plan to present my experience in a variety of ways. The poster presented at the conference will hang in Tutt science center for the duration of the semester. The new Neuroscience Club on campus will provide an excellent forum for me to share with my young scientist peers what I have learned about the state of the field. Additionally, I plan to present the findings of my own thesis research at this year's Psychology Day, as well as to the members of the Neuroscience Club. Lastly, I plan to encourage my peers to take advantage of the college's recourses, particularly student-professor collaborations.

Cognizant of the budget constraints of most students, the SFN offers housing and registration fees at reduced rates. The following list itemizes the requested funding necessary to attend the conference.

1. Airfare: (America West, round trip)	\$362.00
2. Room* (Hotel): \$80 (plus 13% city tax) per night, 2 nights	\$180.80
3. Board: \$25 per day, 3 days	\$75
4. Registration: \$80	\$80
<b>Total Requested:</b>	<b>\$697.80</b>

\*The amount reflects the discount by sharing a room with another conference attendee. It is originally \$160 per night for a double occupancy.