

Qualified Scientist Form (2)

May be required for research involving human participants, vertebrate animals, potentially hazardous biological agents, and hazardous substances and devices. Must be completed and signed before the start of student experimentation.

Student's Name(s) Gillian Gold

Title of Project The role of Wnt/ β -catenin signaling in angiogenesis and BBB formation in EAE (Multiple Sclerosis)

To be completed by the Qualified Scientist:

Scientist Name: Dr. Dritan Agalliu

Educational Background: Columbia University, PhD

Degree(s): PhD

Experience/Training as relates to the student's area of research:

Research in my laboratory is focused on understanding the cellular and molecular mechanisms that regulate formation of the blood-brain barrier in the central nervous system (CNS) and the mechanisms of barrier breakdown in a variety of CNS diseases such as autoimmune diseases.

Position: Principal Investigator

Institution: Columbia University Medical Center

Address: 650 622 W 168th St, New York, NY 10032

Email/Phone: da191@cumc.columbia.edu

1) Have you reviewed the Intel ISEF rules relevant to this project? ☒ Yes ☐ No

2. Will any of the following be used?

- | | | |
|---|---|--|
| a. Human participants | <input type="checkbox"/> Yes | <input checked="" type="checkbox"/> No |
| b. Vertebrate animals | <input checked="" type="checkbox"/> Yes | <input type="checkbox"/> No |
| c. Potentially hazardous biological agents (microorganisms, rDNA and tissues, including blood and blood products) | <input type="checkbox"/> Yes | <input checked="" type="checkbox"/> No |
| d. Hazardous substances and devices | <input type="checkbox"/> Yes | <input checked="" type="checkbox"/> No |

3. Will this study be a sub-set of a larger study? ☒ Yes ☐ No

4. Will you directly supervise the student? ☐ Yes ☒ No

- a. If no, who will directly supervise and serve as the Designated Supervisor? Sanjid Shahriar
- b. Experience/Training of the Designated Supervisor:

Has been in the lab multiple years researching EAE as a PhD candidate and has supervised previous high school research student before.

To be completed by the Qualified Scientist:

I certify that I have reviewed and approved the Research Plan/Project Summary prior to the start of the experimentation. If the student or Designated Supervisor is not trained in the necessary procedures, I will ensure her/his training. I will provide advice and supervision during the research. I have a working knowledge of the techniques to be used by the student in the Research Plan/Project Summary. I understand that a Designated Supervisor is required when the student is not conducting experimentation under my direct supervision.

Dritan Agalliu

Qualified Scientist's Printed Name

Dritan Agalliu 06/10/2019

Signature

Date of Approval (mm/dd/yy)

To be completed by the Designated Supervisor

when the Qualified Scientist cannot directly supervise.

I certify that I have reviewed the Research Plan/Project Summary and have been trained in the techniques to be used by this student, and I will provide direct supervision.

Sanjid Shahriar

Designated Supervisor's Printed Name

Sanjid Shahriar

Signature

06/10/2019

Date of Approval (mm/dd/yy)

(347) 259-4366

Phone

ss4747@cumc.columbia.edu

Email