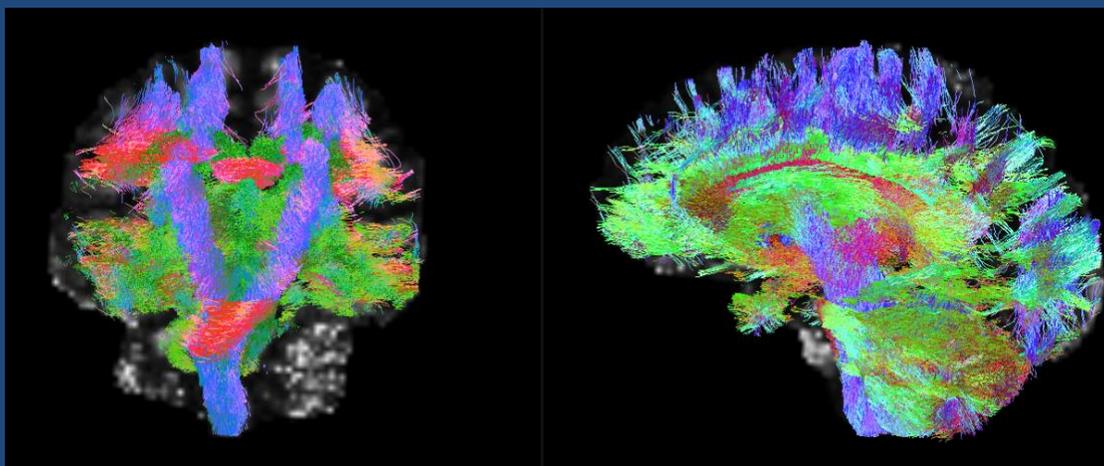
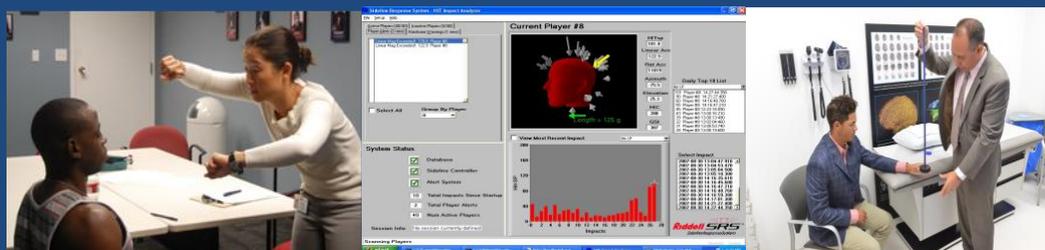


UCLA Steve Tisch BrainSPORT Program

Virtual High School Research Internship

Summer 2021



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INTRODUCTION

Our mission at the UCLA Steve Tisch BrainSPORT Program is to make leading discoveries through research, provide forward-thinking diagnosis and treatment, and transfer our knowledge of sports related concussion and brain health to the broader community.

We strive to be at the forefront of traumatic brain injury (TBI)/concussion prevention, comprehensive care, and neurological health. We will achieve this through multi-disciplinary efforts in the following areas:

- **Safety:** Increase TBI awareness, knowledge and prevention
- **Performance:** Better understand and implement interventions to improve resiliency and brain health
- **Outreach:** Educate future clinicians, researchers, policymakers, parents, athletes and the general community
- **Research:** Develop better understanding of and more effective treatments for TBI through translational research
- **Treatment:** Care for those with TBI through comprehensive assessments and multi-disciplinary interventions

We are committed to advancing the understanding of TBI by inspiring the next generation of high achieving youth to pursue research in the field. Because of this commitment, we have launched the UCLA Steve Tisch Summer High School Research Internship Program.

VIRTUAL INTERNSHIP OVERVIEW

This opportunity will be **completely remote and virtual**, offered through Zoom meetings. Intern(s) will have the opportunity to learn from a multidisciplinary team that consists of research scientists, neurologists, neuropsychologists, occupational therapists, a dietitian, and clinical researchers led by Dr. Christopher Giza. Our multidisciplinary team works on a variety of research projects investigating various aspects of TBI and concussion. Topics include autonomic dysfunction, education and culture change, nutrition and recovery, virtual reality rehabilitation, neuroimaging, and others. Interns will have the opportunity to:

- **Attend weekly lab meetings with the BrainSPORT team** where they will gain valuable insight on the daily operations of clinical research and will also be expected to join weekly educational sessions from BrainSPORT team members
- Each intern will be **matched with a BrainSPORT team member for 1:1 mentorship**
- **Present a research paper to our lab journal club** with guidance and coaching from mentor
- **Work in teams to generate a research presentation** that will be presented virtually at the end of the internship

MENTORS

	<p>Kevin Bickart, MD, PhD <i>Neurologist, UCLA Steve Tisch BrainSPORT Fellow</i> <i>Dr. Bickart is a senior neurology fellow in our program. He is combining his interests by specializing in Sports and Behavioral Neurology here at UCLA. His research involves neuroimaging analysis, brain networks, genetics and novel therapeutics relevant to these specialties.</i></p>	
	<p>Meeryo Choe, MD <i>Pediatric Neurologist</i> <i>Assistant Clinical Professor of Pediatric Neurology</i> <i>David Geffen School of Medicine & Mattel Children’s Hospital at UCLA</i> <i>Associate Director, UCLA Steve Tisch BrainSPORT Program</i></p>	
	<p>Natalie Gavi, MS, RD <i>Registered Dietitian</i> <i>David Geffen School of Medicine & Mattel Children’s Hospital at UCLA</i> <i>Natalie’s research interests include the potential neuroprotective roles of creatine monohydrate and ketone bodies following traumatic brain injury.</i></p>	
	<p>Chris Giza, MD <i>Pediatric Neurologist</i> <i>Director, UCLA Steve Tisch BrainSPORT Program</i> <i>Professor of Pediatrics and Neurosurgery</i> <i>David Geffen School of Medicine & Mattel Children’s Hospital at UCLA</i> <i>Medical Director, UCLA Operation Mend</i></p>	
	<p>Sarah M Greif, MS <i>Lifespan Neuropsychologist</i> <i>UCLA Semel Institute for Neuroscience & Human Behavior</i> <i>Sarah Greif is a neuropsychology fellow. She takes a holistic approach to brain health and is committed to offering accessible interventions for all which has led her to research the brain in the context of such factors as sleep, exercise, psychoeducation, and gut health.</i></p>	
	<p>Madison Harris, OTD <i>Occupational Therapist</i> <i>David Geffen School of Medicine & Mattel Children’s Hospital at UCLA</i> <i>Dr. Madison Harris is a board certified occupational therapist. Madison applies her expertise to help children return to activities they love following traumatic brain injury. Her current research investigates virtual reality to rehabilitate following concussion and the role of the Occupational Therapist in a concussion clinic.</i></p>	
	<p>Annie Hoffman, PhD <i>Basic Science Researcher</i> <i>UCLA Steve Tisch BrainSPORT Program and Fanselow Lab</i> <i>Annie is a researcher conducting experiments in the basic science lab. Her research interests include post-traumatic stress disorder and hypersensitivity following traumatic brain injury</i></p>	
<p>Supervising Research Staff</p>		
<p style="text-align: center;">Anne Brown</p> 	<p style="text-align: center;">Yena Kim</p> 	<p style="text-align: center;">Philip Rosenbaum</p> 

TIME COMMITMENT

Virtual meetings and educational sessions will occur 2-4 days a week, for approximately 10-12 hours per week. Interns should expect to be available starting early June to late-August; exact dates are TBD and to be agreed upon with the BrainSPORT Team.

ELIGIBILITY

Rising high school junior or senior

APPLICATION

Please complete the application and submit all materials online by **5pm Friday, April 16th, 2021** – *selected applicants may be invited for an interview (in person or by phone)*

All candidates must submit application responses online via the following link:

[UCLA BrainSPORT High School Internship Application](#)

The following questions are listed on the online application:

1. Personal Information (demographic)

- First and Last Name
- Date of Birth
- Current High School Academic Year
- Home Address
- Parent/Guardian Contact Information

2. Academic and Co-Circular Information (~150 words per question)

- A. What is your major field of academic/career interest at this time and why? (More than one is acceptable.)
- B. Describe the academic project or achievement that you have found most interesting and noteworthy.
- C. What are your hobbies and what is most rewarding about them?
- D. What roles have you played on campus that illustrate your ability to work with others, function in "work" environments and fulfill specific responsibilities? (i.e., ASB, club leadership, sports leadership)
- E. I have received the following honors and awards in high school:

3. Personal Statement (~250 words) – The statement should address the reasons why you would like to become involved in the internship program, why you should be considered for internships you are applying for and what you wish to gain from this experience.

4. BrainSPORT Topic Interests (multiple choice)

5. References – Please indicate two HS teachers and one HS club moderator and/or coach who can be considered as a reference:

If you have any questions please contact: Philip Rosenbaum at prosenbaum@mednet.ucla.edu

For more information about BrainSPORT Program, please visit: www.uclahealth.org/BrainSPORT

Application Link:

<https://docs.google.com/forms/d/e/1FAIpQLSe3yaU7DXLkiUWziY8JuR4RUATnoGEnzNnkulbdLEARadvleA/viewform?vc=0&c=0&w=1>