



Burke
Neurological
Institute

Burke Neurological Institute
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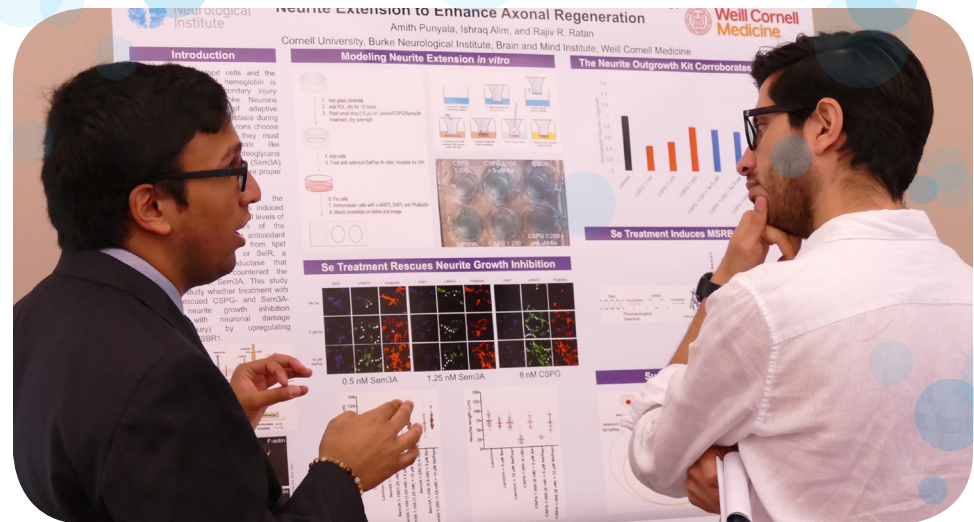
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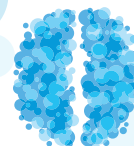


Summer Student Research Program Poster Session

August 9, 2019

11:00 a.m. - 2:00 p.m.

Burke Neurological Institute
Billings Building
Rosedale Room



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The science hope demands



Weill Cornell
Medicine

Please join us for the annual Summer Student Research Program Poster Session as the Class of 2019 present cutting-edge research results to conclude the achievements and discoveries fulfilled during the summer program.

Training the next generation of scientists is a high priority at the Burke Neurological Institute. Our Summer Student Research Program offers scholars the opportunity to participate in cutting-edge basic, translational and clinical neuroscience research programs.

Meet the Class of 2019.

Organizers



Dianna Willis, Ph.D.
Associate Director
Laboratory for Axonal and RNA Biology
Assistant Professor
Burke Neurological Institute



John Cave, Ph.D.
Lab Director
Laboratory for Neuronal Specification
Assistant Professor
Burke Neurological Institute



Reina Ashizawa
Poster Title: Observing Proportional Recovery in Mouse Models of Stroke
Mentors: Mustafa Balkaya, Ph.D.
Academic Institution/Year: Tufts University, Class of 2021

Lauren Azrin

Poster Title: Pericyte Polarity is Dependent on Location Along the Retinal Vasculature
Mentors: Botir Sagdullaev, Ph.D.; Elena Ivanova, Ph.D.; Paola Bianchimano, Ph.D.
Academic Institution/Year: White Plains High School, Class of 2021



Lisa Brontesi
Poster Title: Establishing an In Vivo Model of Adult Human Neurogenesis
Mentors: Gary Gibson, Ph.D.; Huanlian Chen, M.S.
Academic Institution/Year: Boston University, Class of 2021

Lydia Currie

Poster Title: Impact of Therapeutic Brain Stimulation on Upper Limb Training in Unilateral Cerebral Palsy
Mentors: Kathleen Friel, Ph.D.; Claudio Ferre, Ph.D.
Academic Institution/Year: University of Rochester, Class of 2020



Anshuman Das
Poster Title: The Effect of Ferroptotic Inhibitors on Cell Death Induced by Sodium Arsenite Formed Stress Granules
Mentors: Nandini Kundu, Ph.D.; Rajiv Ratan, M.D., Ph.D.
Academic Institution/Year: Irvington High School, Class of 2021



Jeromy DiGiacomo
Poster Title: Specification of Bulbar-Cervical Corticospinal Projections
Mentors: Payal Patel, M.S.; Julia Kaiser, Ph.D.; Vibhu Sahni, Ph.D.
Academic Institution/Year: Williams College, Class of 2020

Mohamed El-Abtah

Poster Title: Anatomical and Functional Analysis of vGlut-Cre Interneurons
Mentors: Natasha Koppel, Ph.D.; Yutaka Yoshida, Ph.D.
Academic Institution/Year: Harvard, Class of 2021



Raghav Neupane
Poster Title: Kinematic Assessment of Upper Limb Movements in Patients with Ataxia
Mentors: Tomoko Kitago, M.D.; Stuart Mackenzie, Ph.D.
Academic Institution/Year: Miami University, Class of 2021

Dillon Noone

Poster Title: 3D Visualization to Evaluate Regenerative Responses of Sensory Neurons
Mentors: Edmund Hollis II, Ph.D.; Juan Sebastián Jara, Ph.D.
Academic Institution/Year: Wesleyan University, Class of 2020



Sonia Seth
Poster Title: KDM4C, A Histone Demethylase, As a Primary Target In Neuroprotection Against Ferroptotic Cell Death
Mentors: Amit Kumar, Ph.D.; Rajiv Ratan, M.D., Ph.D.
Academic Institution/Year: Edgemont High School, Class of 2020

Rebecca Taylor

Poster Title: EphA4 cKO Promotes Recovery after CST Injury
Mentors: Edmund Hollis II, Ph.D.; Nadjat Serradj, Ph.D.
Academic Institution/Year: Georgetown University, Class of 2022



Anya Wang
Poster Title: Zeb2 Transcription Factor Contributes to Stroke-Induced Scar Formation
Mentors: Il-doo Kim, Ph.D.; Sunghee Cho, Ph.D.; John Cave, Ph.D.
Academic Institution/Year: University of Chicago, Class of 2022

Michael Wong

Poster Title: Improving Curveball: Making Vision Measurement Fast and Reliable
Mentors: Jeremy Hill, D. Phil.; Scott Mooney, Ph.D.; Glen Prusky, Ph.D.
Academic Institution/Year: Tenafly High School, Class of 2021

