

The 2018 Summer Undergraduate Research Program of Center for Neural Science, New York University

Attendance by SURP Students Required, except where noted
Letters in bold indicate required writing assignments

Date	Occasion	Time and place	Leader and participants
<i>Week 1</i> May 29 Tuesday	Orientation and Welcome Reception hosted by the CNS	9am – 6 pm Rm 760, Meyer	All students, Dr. Chiye Aoki, SURP Director
	Breakfast and Introductions	9:00am –12:00pm	Dr. Margarita Kaplow, SURP Co-director Introduce Jessica Holman, Jenna Rice, and Paul Fan
	Buffet Lunch with mentors	12pm-1pm	All SURP students, Mentors, CNS coordinators and CNS staff
	Wet Lab Boot Camp I DNA extraction for PCR	1pm-3pm	All SURP students, Margarita, Larry Le
	Orientation on the use of animals in research	3pm-4pm Rm 760, Meyer	All SURP students, Dr. Lee Ronn-Paluch
	Getting NYU IDs, walk around the neighborhood	4pm-5pm Public Safety Office	All SURP participants, with NYU students
	Visit Mentor’s lab	5pm-6pm	All SURP participants
May 30 Wednesday	Wet Lab Boot Camp II: Behavior experiments photo-taxis, odor taxi Running agarose gel	12pm-4pm Rm 612, Silver	ALL SURP participants, Chiye Aoki, Margarita Kaplow, and Larry Le

<p>May 31 Thursday</p>	<p>Orientation on lab safety</p> <p>Matlab I</p> <p>Wet Lab Boot Camp III Immunocytochemical visualization of antigens and viewing of brain specimens by light microscopy, vibratome sectioning.</p>	<p>10am-1pm Silver</p> <p>1pm-3pm</p> <p>3pm-6pm Rm 612, Silver</p>	<p>ALL SURP participants –</p> <p>Instructor: Gerick Lee Meyer 760</p> <p>ALL SURP participants, Chiye Aoki, Margarita Kaplow, Albert Park</p> <p>Submit a tentative title of your summer research, due at the end of the day</p>
<p>June 1 Friday</p>	<p>Animal Facility Tour</p>	<p>Meet at Meyer Lobby at 9am</p> <p>Tour 9am-10am</p>	<p>SURP animal users only (bring your NYU ID)</p>
<p><i>Week 2</i> June 7 Thursday</p>	<p>“Building Memories in the Brain”</p> <p>SURP Group meeting, lunch and weekly discussion</p>	<p>12pm-1pm</p> <p>1pm-2pm</p>	<p>Dr. Tom Carew</p> <p>Group discussion among SURP students, facilitated by Chiye Aoki</p> <p>Submit a revised title and a bibliography</p>

<p><i>Week 3</i> June 14 Thursday</p>	<p>Matlab II</p> <p>“Diving into the brain of adolescents using an electron microscope to capture individual differences in resilience to stress ”</p> <p>SURP Group meeting, lecture followed by lunch and discussion</p>	<p>10am-12pm</p> <p>12pm-1pm</p> <p>1pm-2pm</p>	<p>Instructor: Gerick Lee Meyer 760</p> <p>Dr. Chiye Aoki</p> <p>Group Discussion among SURP students, facilitated by Dr. Aoki</p> <p>Submit a rough draft of the Background section of the summer paper</p>
<p><i>Week 4</i> June 19 Tuesday</p>	<p>SURP group outing Broadway Show: “Once on this Island”</p>	<p>7pm</p> <p>Circle in the Square Theatre</p>	
<p>June 21 Thursday</p>	<p>SURP Group Meeting: Lecture followed by lunch and discussion.</p> <p>“How Attention Affects Visual Perception?”</p>	<p>12pm-2pm Rm 760, Meyer</p> <p>12pm-1pm</p>	<p>Group discussion among SURP students, led by Dr Aoki, then lecture</p> <p>Lecture by Dr. Marisa Carassco</p> <p>Submit a rough draft of the ‘Methods’ section of the summer paper</p> <p>SURP mentors survey due</p>
<p>June 24 Sunday</p>	<p>SURP Group Outing</p> <p>Hiking at Cold Spring</p>		<p>Claudia Farb</p>

<p><i>Week 5</i> June 28 Thursday</p>	<p>SURP Group meeting, followed by luncheon and Lecture on: “Visual development and visual experience”</p>	<p>12pm-2pm Rm 815, Meyer 12pm-1pm</p>	<p>Group discussion among SURP students, led by Dr Aoki, then lecture Lecture by Dr. Lynne Kiorpes Submit a ‘pretty good’ draft of the ‘Intro’ section, consisting of the rationale and background material.</p>
<p><i>Week 6</i> Fourth of July</p>	<p>SURP Group Meeting</p>	<p>East River viewing of the fireworks, Evening</p>	<p>Group outing, voluntary</p>
<p>July 5 Thursday</p>	<p>SURP Group meeting, followed by luncheon and Lecture on: “Data Science in the Brain”</p>	<p>12pm-2pm Rm 760, Meyer 12pm-1pm</p>	<p>Group Discussion led by Chiye Aoki Lecture by Dr. Cristina Savin Submit a rough draft of the Results section (Imaginary graphs, tables, and drawings that shows the kind of data you <i>hope</i> to collect plus interpretation of expected results)</p>
<p><i>Week 7</i> July 12 Thursday</p>	<p>SURP Group meeting, lecture followed by lunch and discussion “Molecular mechanisms of long-term memory”</p>	<p>12pm-2pm Rm 760, Meyer 12pm-1pm</p>	<p>Group Discussion led by Chiye Aoki, Lecture by Dr. Cristina Alberini Submit a ‘pretty good’ draft of the “Methods’ section of the summer paper and any update on results</p>

<p><i>Week 8</i> July 19 Thursday</p>	<p>SURP Group meeting, followed by luncheon and Lecture on:</p> <p>“The Astonishing Effects of Exercise on the Brain”</p> <p>Group Meeting Lunch, 5 minute PowerPoint presentations by students</p>	<p>11am – 2pm Rm TBD</p> <p>12pm-1pm</p> <p>1pm-2pm</p>	<p>Lecture by Dr. Wendy Suzuki</p> <p>5-min Practice talks by SURP students – mentors welcomed to join</p> <p>Submit a rough draft of the Results and Discussion Section that considers the significance of data to be collected</p>
<p>July 20 Friday</p>	<p>Diversity Summer Student Research Conference</p>	<p>9am-6pm Kimmel Center</p>	<p>All SURP students, optional</p>
<p><i>Week 9</i> July 25 Wednesday</p>	<p>Practice session for the Symposium</p>	<p>9am-5pm Rm 760, Meyer</p>	<p>ALL SURP students with Chiye Aoki, Margarita Kaplow and mentors coaching the talks</p> <p>Come with your Full PowerPoint Presentation</p>
<p>July 27 Friday</p>	<p>SURP Symposium!</p> <p>Celebration Tea</p>	<p>9am-3pm Room TBD</p> <p>3-3:30pm</p>	<p>SURP students, open to the public and mentors</p> <p>(Invite your friends and family!)</p> <p>Coffee Break, Lunch, Coffee Break and tea for SURP participants and CNS community</p>
<p><i>Week 10</i> August 2nd Thursday</p>	<p>SURP Group meeting, lecture followed by lunch and discussion</p> <p>Filling out Survey Monkey</p>	<p>12-12pm Rm 760, Meyer</p> <p>12pm-1pm</p>	<p>Last day to submit a draft of the entire paper to mentor</p> <p>Dr. Chiye Aoki</p>

August 3rd Friday	SURP students and mentor luncheon DUE- Mentors Survey final evaluation	12-3pm	SURP students and mentors Last day to submit the final version of the summer research paper to mentor and Dr. Aoki
August 4th Saturday	Check out from the dorm		

Suggested weekend outings: Movies, Fireworks on 4th of July, Museum tour, Statue of Liberty, Sailing, Boating/Zoo in Central Park