

# Summer Scholar Program Schedule of Activities

EVERY DAY STARTS WITH A GROUP MEETING IN 2<sup>nd</sup> FLOOR LOUNGE

## CHECK SCHEDULE DAILY!

	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY
<b>Week of 6/30</b>	<p><b>High School Summer Scholar Program Begins</b></p> <p><b>10:00</b> Welcome Meeting</p> <p>11:00-12:30 Dr. White <i>Coherence of Light in Ellipsometers Part I</i> Room 143</p> <p>12:30-1:30 <i>Intro to Library Resources</i></p> <p>2:30-3:30 Dr. O <i>Lab Notebook</i></p> <p><b>When free investigate research opportunities</b></p>	<p><b>July 1</b></p> <p>10:30-11:30 Jim Quinn <i>Laboratory Safety</i> Room 143</p> <p>12:30-1:30 Chemical Disposal Room 313 Group 1+2 1:30-2:30 Chemical Disposal Room 313 Group 3+4</p> <p>1:30-2:30 Dr. White <i>Ellipsometry Part II</i> Groups 1+2 12:30-1:30 Dr. White <i>Ellipsometry Part II</i> Groups 3+4</p> <p>2:30-3:30 Dr O/REUs <i>Intro to Polymer Film Prep.</i> Room 143</p>	<p><b>2</b></p> <p>10:30 -12:00 Web of Science/ Journal Club</p> <p>12:30-3:30 <i>SI Wafer Prep and Solutions</i> Room 313 REUs</p>	<p><b>3</b></p> <p><i>All Students dorming must check out of their rooms</i></p>	<p><b>HAPPY 4<sup>th</sup> of JULY</b></p> 
<b>Week of 7/7</b>	<p>7</p> <p>10:00am Melanie Krieger Science Competitions</p> <p>10:30am Dr. Richard Clark. Room 143</p> <p>12:30-2:30 Groups 1&amp; 2 Rm 313 Silicon Wafer cleaning &amp; spinning</p> <p>12:30-1:30 Groups 3&amp;4 :Dr. Sokolov</p> <p>1:30-3:30: Groups 3&amp;4 Rm 313 Silicon Wafer cleaning &amp; spinning.</p> <p>2:30-3:30 Groups 1&amp;2.: Dr. Sokolov</p>	<p>8</p> <p>Dr.Richard Clark, Microscopy I 10:30-11:30 Room 143</p>	<p>9</p> <p>10:00 JUR Paper Discussion, Spinning Theory, Dr. Steve Schwarz</p> <p>12:00 Group 2 Dr. Rafailovich, Statistics I, Error Analysis, Group 4 Spinning</p> <p>1:00 Group 1 Excel, Group 3 Spinning</p> <p>2:00: Group 1 Statistics, Group 2 Spinning, Groups 3 &amp; 4 Excel</p> <p>3:00 Group 1 Spinning, Group 2 Excel, Groups 3 &amp; 4 Polymer Modeling, Dr. Dilip Gersappe</p> <p>Optional: Dr. Shafi <i>Nanoparticles</i> Dr. Shew <i>Theoretical Studies of Flexible Chain Polymers and Rigid Rods in External Fields</i></p>	<p>10</p> <p>10:00 Meeting</p> <p>10:30 Breakout Sessions on Specific Areas of Research</p> <p>12:45-2:15 Groups 1 &amp; 2 Continue and Finish up with Spin Casting Work, Master Plot/Excel; Groups 3 &amp; 4 Journal Club, Submit HW to REUs</p> <p>2:15 – 3:45 Groups 1 &amp; 2 Journal Club, Submit HW to REUs. Groups 3 &amp; 4 Continue and Finish up with Spin Casting Work, Master Plot/Excel;</p>	<p>11</p> <p>Prof. Al Tobin</p> <p>“Nanocomposite procesing</p>
<b>Week of 7/14</b>	<p>14</p> <p>10:15 Dr. Richard Clark Microscopy II, room 143</p> <p>11:15 Final Full New HS Group PB Project, Disseminate Assignments for Manuscript Presentation</p> <p>1:30-2:30 Dr. Robert Hwang, Director, BNL Nanocenter, <i>Lecture on Nanotechnology</i></p> <p>2:45-3:30, Groups 1 &amp; 2 , <i>Error Analysis II, Stats I, Error Bars</i>, Dr. Rafailovich, Room 143</p> <p>2:45-3:30 Groups 3 &amp; 4, <i>Modeling Polymers &amp; Their Systems, Theory, Room 145</i></p>	<p>15</p> <p>10-11 General Meeting (Glass Doors), Discussion of Patents, Discussion of AT&amp;T Award Presentation.</p> <p>11:00 Meet with mentors, Begin evaporation experiments</p>	<p>16</p> <p>10:15am David Abacacus Industrial Polymers <i>Going Commercial With Polymers ROOM 143</i></p> <p>10:30-11:30: Groups 1 &amp; 2 Journal Club, Dr. Occhiogrosso; Groups 3 &amp; 4 Journal Club, Mrs. Isseroff</p> <p>11:30 Meet with Mentors. Begin Evaporation Experiments</p> <p>2:30 AT&amp;T Check Presentation, followed by lab tours</p>	<p>17</p> <p>10:10:30 Jack Petersen, Donna Tuminello, General Organization Meeting</p> <p>10:30-11:00 Journal Club – all groups</p> <p>12:30 Work on Projects</p>	<p>18</p> <p>10:-11:30 Group Meeting,  Presentations: <i>Rheology</i>: Avtar Singh <i>PB Evaporation</i>: Aditi Ramakrishnan &amp; Sylvia Qu <i>Statistical Analysis</i>: Paul Mark, Jeffrey Reitman, &amp; Sean Mehra</p> <p>11:30 Journal Club: Final ~5 Presenters</p> <p>1:00 PB Manuscript Writers: Meet behind Glass Doors to Discuss Paper Preparation</p>
<b>Week of 7/21</b>	<p>21</p> <p>10:00 Prof. Chris Berndt “Materials World”</p>	<p>22</p> <p>10:00-10:30 General Organization Meeting</p> <p>11:30 Work on Projects</p>	<p>23</p> <p>Trip to Cold Spring Harbor Laboratory</p> <p>4:15 Softball game (rained out)</p>	<p>24</p> <p>10:00-10:30: General Organization Meeting</p> <p>11:30 Work on Projects</p>	<p>25</p> <p>10:-11:30 Group Meeting,  Presentations: <i>Nanoparticles</i>: Michael Forman &amp; Cheryl Schonbrun <i>Fracture Toughness</i>: Chris Becker &amp; Matt Schlossberger <i>SCF Technology</i>: Abigail Maller &amp; Robert Fisher; Greg Parnes &amp; Shaan Waqar <i>Gels</i>: Donnie Isseroff &amp; Ezra Katz</p> <p>12:45 PB Manuscript Writers: Continue discussions on Manuscript Preparation</p>
<b>Week of 7/28</b>	<p>28</p> <p>10:00-11:00 Dr. Kash Mittal, Editor Journal of Adhesion Science and Technology, Room 301 1 pm Dr. Richard Clark Microscopy III, room 143</p> <p>11:30 Work on Projects</p>	<p>29</p> <p>10:00-10:30: General Organization Meeting</p> <p>11:30 Work on Projects</p>	<p>30</p> <p>10:00-10:30 General Organizational Meeting</p> <p>11:30 Work on Projects</p> <p>4:15 Softball game</p>	<p>31</p> <p>10:00-10:30 General Organizational Meeting</p> <p>11:30 Work on Projects</p>	<p>1</p> <p>10- 11:30 Group Meeting</p> <p>Presentations: <i>Crystalline Polymers</i>: Vivek Kunnam &amp; Maanasa Indaram <i>Blends in Supercritical CO<sub>2</sub></i>: Steven Lubin &amp; Mitchell Fourman <i>Patterning for Tissue Engineering</i>: Christine Ahn</p>

<p style="text-align: center;"><b>Week of 8/4</b></p>	<p>4 10:00-10:30: General Organization Meeting  11:30 Work on Projects</p>	<p>5 10- 10:30 Mrs. Krieger LISEF checkup</p>	<p>6 10:00-10:30: General Organization Meeting  11:30 Work on Projects</p>	<p>7 10:00-10:30: General Organization Meeting  11:30 Work on Projects</p>	<p>8 10- 11:30 Group Meeting  <b>Presentations:</b> <u>Nanotubes:</u> Jonathan Hefter &amp; Michael Goldman <u>Dewetting of di-Blocks:</u> Paul Marx &amp; Aditi Ramakrishnan <u>SCF Technology:</u> Amy Brazin <u>Tissue Culturing:</u> Jennifer Braverman <u>DNA Electrophoresis w/ Obstacles:</u> Stanley Chiang <u>Starch w/ Plasticizers:</u> Joel Herzfeld <u>SCF and Polymer Brushes:</u> Chelsea Gordon &amp; Sylvia Qu <u>Magnetic Nanoparticles and Enzymes:</u> Josh Etman  Get final symposium abstracts to Nancy's computer</p>
	<p style="text-align: center;"><b>Week of 8/11</b></p>	<p>11 10:00-10:30: General Organization Meeting  11:30 Work on Projects</p>	<p>12 10 – 12 Group Meeting <b>Presentation:</b> <i>Dr. Robert Shaler, Chief of NYC Forensic Science – DNA Electrophoresis and Forensic Science</i> Room 231  3 pm - Dr. Steve Schwartz, Queens College – Rheology of Polymers</p>	<p>13 10 – 12 Group Meeting <b>Presentations:</b> <u>Gold Nanotubes &amp; Electrical Properties:</u> Matt DiPasquale <u>Nanocomposites:</u> Bradley Schwartz <u>DNA:</u> Jack Jacob <u>Patterning &amp; Protein Org.:</u> Andrew Schuer &amp; Jessica Fields <u>Wound Healing:</u> Vandana Sood &amp; Ayla Bloomberg <u>DNA Electrophoresis:</u> Evan Hertan, Amit Mehta, &amp; Robert Samstien <u>Cancer vs. Normal Cells:</u> David Spencer  12:30 Work on Projects  3 pm – Saumya Sharma – Optional Presentation  9 – 11 pm Boat Ride in Port Jefferson Harbor to watch the meteor shower Perseid</p>	<p>14 10 – 11 Group meeting split up into symposium groups to organize and rehearse REUs must get all presentations onto a zip disk  11:30 Last minute work on projects</p>