

**STUDENTS AND TEACHERS AS RESEARCH SCIENTISTS
 “EXPERIENCING THE SCIENTIFIC ENTERPRISE TO ENHANCE SCIENCE EDUCATION”**

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 Office of the Chancellor-UM-St. Louis, Saint Louis University, Washington University,
 Green Foundation, and Solae Company**

**in Partnership with
 Academy of Science of St. Louis, Donald Danforth Plant Science Center, Saint Louis University,
 SIU-Edwardsville, Washington University, and the University of Missouri-St. Louis
 June 8 - July 17, 2009**

SCHEDULE OF ACTIVITIES

Week 1 (June 8-June 12, 2009)

Time	Day					
	Monday 8	Tuesday 9	Wednesday 10	Thursday 11	Friday 12	
8:00	8:00-9:55 Welcome Students Orientation Introductions and Mixer 120 Research Complex	Research Participants meet with mentors at respective campuses	8:30-8:55 Collaborative - Mr. Kardis, Ms. Falkoff & Mr. Brennan 120 Research	Research	Research	
8:30						
9:00						
10:00						
10:15	10:15-11:30 Introduction to the Library Mr. Kardis, Ms. Falkoff, Mr. Brennan 315 T.J. Library		10:00-11:10 Science Inquiry Series: Natural Product Biochemistry Dr. Toni Kutchan Member and Investigator Danforth Plant Science Ctr. tmkutchan@danforthcenter.org 120 Research			
11:15			11:15-11:40 Planning Committees – A-V and Newsletters 120 Research			
11:45	11:45-1:15 <u>Lunch Provided</u> with Research Mentors Millennium – Century A&B	Lunch	11:50-12:30 <u>Lunch Provided</u> - Pilot House	Lunch	Lunch	
11:50						
12:00						
12:30	Mentor Meeting [†] Century A, B & C/Dr. Mares, Dr. Granger & Ms. Diley ----- Student Meeting Mr. Kardis, Ms. Falkoff, & Mr. Brennan Millennium--SGA Chamber ----- ID Photos - C. Taylor 225 Millennium Center	Research	Research	Research	Research	
1:15						
2:00	2:15-2:45 Intro. to Research Mr. Kardis – SGA Chambers		2:00-3:00 Laboratory Safety and Compliance Training Learning Resource Center LRC Rooms 112/113 Health Sci. Center Campus <u>SLU Students Only</u> <u>Mandatory Activity</u> ----- Research			
2:15						
2:45						
3:45	Adjournment		Adjournment Scheduled at the Discretion of the Research Mentor	Adjournment Scheduled at the Discretion of the Research Mentor	Adjournment Scheduled at the Discretion of the Research Mentor	
5:00						
5:15						5:15 Chancellor’s BBQ Research Patio 6:15 – Planetarium 407 Research Bldg.
7:30						Adjournment

Dotted Lines Indicate Concurrent Sessions – Revised 5/28/09

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SCHEDULE OF ACTIVITIES

Week 2 (June 15-June 19, 2009)

Time	Day				
	Monday 15	Tuesday 16	Wednesday 17	Thursday 18	Friday 19
8:30	8:30-8:55 Collaborative Mr. Kardis, Ms. Falkoff, & Mr. Brennan 120 Research	Research	8:30-8:55 Collaborative Mr. Kardis, Ms. Falkoff, & Mr. Brennan 120 Research	Research	Research
9:00	9:00-9:50 Communication Mr. Kardis 120 Research		9:00-9:50 Communication (Science Competitions) Mr. Kardis 120 Research		
10:00	10:00-11:00 Science Inquiry Series: Advances in Neurosurgery Susan MacKinnon 120 Research		10:00-11:00 Science Inquiry Series: The Soloist – A Study of Paranoid Schizophrenia Adam Crane 120 Research		
11:05	11:05-11:45 Solae Company Dr. Phil Kerr Executive Director Project Discovery pkerr@solae.com 120 Research		11:05-11:45 Ethics in Science Dr. Andrew Black Dept. of Philosophy UM-St. Louis ablack@umsl.edu 120 Research		
11:50	11:50-12:30 <u>Lunch Provided</u> Millennium Center Room – Century C		11:50-12:30 <u>Lunch Provided</u> Millennium Center Room – Century C		
12:00		Lunch	Lunch	Lunch	Lunch
12:30	Research	Research	Research	Research	Research
5:00	Adjournment Scheduled at the Discretion of the Research Mentor	5:30 Student Social Activity Bowling at Tropicana Lanes 7960 Clayton Road (314) 781-0282	Adjournment Scheduled at the Discretion of the Research Mentor	Adjournment Scheduled at the Discretion of the Research Mentor	Adjournment Scheduled at the Discretion of the Research Mentor
5:30					
7:45					

SCIENCE AND TEACHERS AS RESEARCH SCIENTISTS
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Week 3 (June 22-June 26, 2009)

Time	Day				
	Monday 22	Tuesday 23	Wednesday 24	Thursday 25	Friday 26
8:30	8:30-9:00 Collaborative Mr. Kardis, Ms. Falkoff, & Mr. Brennan 120 Research	Research	8:30-9:00 Collaborative Mr. Kardis, Ms. Falkoff, & Mr. Brennan 120 Research	Research	Research
9:00	9:00-9:30 Communication Mr. Kardis 120 Research		9:00-9:50 Communication Mr. Kardis 120 Research		
9:30	9:30-11:45 Science Inquiry Series Dr. Heidi Hope, Senior Principal Scientist Mr. Jim Gierse, Associate Fellow Pfizer Inc. 120 Research 201 Stadler		10:00-11:00 Science Inquiry Series: The Saga of the Molecular Soccer Ball and Scientists as Administrators Dr. Thomas George 120 Research		
10:00					
11:05					
11:50	11:50-12:30 <u>Lunch Provided</u> Millennium Center Room – Century C		11:50-12:30 <u>Lunch Provided</u> Millennium Center Room – Century C		
12:00		Lunch	Lunch	Lunch	
12:30	Research	Research	Research	Research	Research
5:00	Adjournment Scheduled at the Discretion of the Research Mentor	5:15 Student Social Cinema Extravaganza & Ice Cream Social To Be Announced	Adjournment Scheduled at the Discretion of the Research Mentor	Adjournment Scheduled at the Discretion of the Research Mentor	Adjournment Scheduled at the Discretion of the Research Mentor
5:15					
9:00					

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Week 4 (June 28-July 3, 2009)

Time	Day					
	Sunday 28	Monday 29	Tuesday 30	Wednesday 1	Thursday 2	Friday 3
8:30		8:30-9:00 Collaborative Mr. Kardis, Ms. Falkoff, & Mr. Brennan 120 Research WU Medical School Student Presentations	Research	8:30-9:00 Collaborative Mr. Kardis, Ms. Falkoff, & Mr. Brennan 120 Research	Research	Independence Day Holiday
9:00		9:00-9:50 Communication Mr. Kardis 120 Research		9:00-9:50 Communication Mr. Kardis 120 Research		
10:00		10:00-11:00 Preparing Minds to Explore the Brain Dr. Kurt Thoroughman Dept. of Biomedical Eng. Washington University thoughman@wustl.edu Dr. Jeffrey Zacks Dept. of Psychology Washington University jzacks@wustl.edu 120 Research		10:00-11:00 Science Inquiry Series: Applying Parachute Inflation Theory to Fin Whale Lunge Feeding Dr. Jean Potvin Dept. of Physics Saint Louis University potvin@slu.edu 120 Research		
11:05		11:05-11:45 Washington U. Undergraduate Program Presentation Dr. Bill Darby 120 Research		11:05-11:45 Student Research Presentations		
11:50		11:50-12:30 <u>Lunch Provided</u> Millennium Center Room – Century C		11:50-12:30 <u>Lunch Provided</u> Millennium Center Room – Century C		
12:00				Lunch		
12:30		Research	Research	Research	Research	
3:00	3:00 St. Louis Symphony “Celebrate America! Red, White & Sousa!” Ward Stare, conductor Powell Hall					
5:00	Adjournment	Adjournment Scheduled at the Discretion of the Research Mentor		Adjournment Scheduled at the Discretion of the Research Mentor	Adjournment Scheduled at the Discretion of the Research Mentor	

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Week 5 (July 6-July 10, 2009)

Time	Day				
	Monday 6	Tuesday 7	Wednesday 8	Thursday 9	Friday 10
8:00	8:00-8:30 Collaborative Mr. Kardis, Ms. Falkoff, & Mr. Brennan 120 Research	Research	8:00-8:30 Collaborative Mr. Kardis, Ms. Falkoff, & Mr. Brennan 120 Research	Research	Research
8:30	8:30-9:00 Student Research Presentations 120 Research		8:30-9:00 Student Research Presentations 120 Research		
9:00	9:00-9:50 Communication Mr. Kardis 120 Research		9:00-9:50 Communication Mr. Kardis 120 Research		
10:00	10:00-11:00 Science Inquiry Series: Neurons, Synaptic Vesicles, and Neurotransmitter Release Dr. Amy Harkins Dept. of Pharmacological and Physiological Sciences harkinsa@slu.edu 120 Research		10:00-11:00 Science Inquiry Series: Antarctica Doug Wiens doug@wustl.edu 120 Research		
11:05	11:05-11:45 Medical School Admissions Issues Ms. Lisa Stevenson MBA School of Medicine Washington University stevensl@wusm.wustl.edu		11:05-11:45 Saint Louis University Undergraduate Program Presentation 120 Research		
11:50	11:50-12:30 <u>Lunch Provided</u> Millennium Center Room – Century C	Lunch	11:50-12:30 <u>Lunch Provided</u> Millennium Center Room – Century C	Lunch	Lunch
12:00					
12:30	Research	Research	Research	Research	Research
5:00	Adjournment Scheduled at the Discretion of the Research Mentor	Adjournment Scheduled at the Discretion of the Research Mentor	Adjournment Scheduled at the Discretion of the Research Mentor	Adjournment Scheduled at the Discretion of the Research Mentor	Adjournment Scheduled at the Discretion of the Research Mentor

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Week 6 (July 13-17, 2009)

Time	Day				
	Monday 13	Tuesday 14	Wednesday 15	Thursday 16	Friday 17
7:50					7:50-11:35 Research Paper Presentations 120 & 121 Research 101 Benton Hall
8:00		Research ----- 8:00-3:30 Oral Presentation Practice – Mr. Kardis (for selected participants) 116 Benton Hall	8:00-8:40 Confirmation Ceremony Rehearsal 104 Stadler	8:00-1:00 Oral Presentation Practice - Mr. Kardis (for selected participants) 116 Benton Hall -----	
8:30	8:30-8:55 Collaborative Mr. Kardis, Ms. Falkoff, & Mr. Brennan 120 Research			Individual Conferences (as needed) Ms. Falkoff & Mr. Brennan 239 Research	
8:45			8:45-9:15 Group Pictures		
9:00	9:00-9:50 Communication Mr. Kardis 120 Research				
9:15			9:15-10:00 Collaborative Mr. Kardis, Ms. Falkoff, & Mr. Brennan 120 Research		
10:00	10:00-11:00 Science Inquiry Series: Pediatric Cardiology Dr. Angela Sharkey Dept. of Cardiology St. Louis Children’s Hospital sharkey@wustl.edu 120 Research		10:00-12:00 Research ----- 10:00-3:30 Oral Presentation Practice – Mr. Kardis (for selected participants) 116 Benton Hall		
11:05	11:05-11:40 Student Research Presentations 120 Research				
11:40					11:40-12:30 <u>Lunch Provided</u> Millennium Center Room – Century C
11:50	11:50-12:30 <u>Lunch Provided</u> Millennium Center Room – Century C				
12:00		Lunch	Lunch	Lunch	
12:30	Research	Research	Research	Research	
12:40					12:40-2:40 Research Paper Presentations 120 & 121 Research 101 Benton Hall
1:00				1:00 Turn in Papers to Mr. Kardis (all participants) 239B Research	
3:00					3:00 Confirmation Ceremony and Reception J.C. Penney Auditorium Dr. Roger Beachy Challenge Speaker
5:00	Adjournment Scheduled at the Discretion of the Research Mentor	Adjournment Scheduled at the Discretion of the Research Mentor	Adjournment Scheduled at the Discretion of the Research Mentor	Adjournment Scheduled at the Discretion of the Research Mentor	

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