



## MS PHD'S in Earth System Science Professional Development Program Cohort VIII 2011 Phase I Agenda

*Unless otherwise noted as "Optional", participation is required for all agenda items.*

Included within the agenda and labeled as "Optional" is a listing of sessions and presentations by MS PHD'S Program Participants including Administrators, Staff, Program Mentors, Alumni and Current Mentees. Wherever possible, you are encouraged to include as many of these presentations as you can in your AGU itinerary. It's a great way to meet and get to know the larger MS PHD'S family outside of your cohort. Also, your attendance at these presentations offers opportunities for discussion and professional critique to enhance participant presentation and critical review skills. Please do go to as many as you can!

We have included and noted as "Optional" four workshops and a luncheon that participants may find beneficial: GIFT Workshop on Monday and Tuesday, December 5-6, 2011. Navigating the NSF System Workshop, How to Network Workshop, NASA Heliophysics Division Proposal Writing Workshop, and AGU and AGI 2011 Fall Meeting Career Opportunities Networking Lunch on Wednesday, December 7, 2011.

### Friday, December 2, 2011

12:00 pm - 9:00 pm	<b>MS PHD'S Participants &amp; Mentors Arrive at Beresford Arms Hotel</b> (701 Post Street, San Francisco, CA 415.673.2600, www.beresford.com) Room Check-in
3:00 pm - 3:45 pm	<b>Dream Team Meeting</b> Beresford Arms Hotel (Parlor Suite)
4:00 pm - 4:45 pm	<b>Mentor Meeting</b> Beresford Arms Hotel (Parlor Suite)
6:15 pm - 7:00 pm	<b>MS PHD'S Participants' Ice Breaker and MS PHD'S Program Overview</b> Beresford Arms Hotel (Parlor Suite)
7:00 pm - 7:15 pm	<b>MS PHD'S PDP Orientation by Dream Team</b> Beresford Arms Hotel (Parlor Suite) <i>Dream Team Skit</i>
7:15 pm - 7:30 pm	<b>MS PHD'S Participants' Mentor Introductions and Reflections</b> Beresford Arms Hotel (Parlor Suite)
7:30 pm - 8:30 pm	<b>Catered Dinner</b> Beresford Arms Hotel (Parlor Suite) <i>Mentors facilitate individual group discussions and review personalized AGU Itineraries</i>

### Saturday, December 3, 2011

7:30 am	<b>Depart from Beresford Arms Hotel</b> Meet in hotel lobby <i>Bus leaves promptly at 7:45 am - please do not be late!</i>
9:00 am - 12:00 pm	<b>California Academy of Sciences (CAS) Tour</b> 55 Music Concourse Drive, Golden Gate Park, San Francisco, CA 94118 (www.calacademy.org/research/izg/izgresearch.htm) <i>Dr. Jean F. DeMouthie, Senior Collections Manager, will provide "behind the scenes" tours of the academy collections. Participants will also enjoy self-guided exploration of the multi-level aquarium, 4 level living rainforest, planetarium, and natural history exhibits.</i>
12:00 pm - 12:30 pm	<b>Depart CAS to Fisherman's Wharf</b> Pier 39, Embarcadero at Beach Street, San Francisco, CA 94133

12:30 pm - 2:00 pm	<b>Lunch “on your own”</b> Nearby restaurants at Fisherman's Wharf <i>Participants eat with someone they do not know</i>
2:00 pm - 3:00 pm	<b>Aquarium of the Bay Self-Guided Tours</b> Pier 39, Embarcadero at Beach Street, San Francisco, CA 94133 (www.aquariumofthebay.com, 415-623-5300) <i>Please refer to your Aquarium Groups List Handout to see if you begin the self-guided tour at 2:00 pm or 2:20 pm. (The aquarium is not large enough to accommodate all attendees at once. Please arrive at your scheduled time.)</i>
2:00 pm - 4:00 pm	<b>Tour Fisherman's Wharf</b> Pier 39, Embarcadero at Beach Street, San Francisco, CA 94133
4:00 pm - 5:00 pm	<b>Return to Beresford Arms Hotel</b>
5:00 pm - 7:30 pm	<b>Cooking and Music Preparation</b>
7:30 pm - 10:00 pm	<b>Multicultural Food Festival</b> Beresford Arms Hotel (Parlor Suite)
<b>Sunday, December 4, 2011</b>	
8:15 am	<b>Depart from Beresford Arms Hotel for San Francisco Marriott Marquis Hotel (Sierra I)</b>
9:00 am	<b>Arrive at San Francisco Marriott Marquis Hotel (Sierra I)</b>
9:15 am - 9:30 am	<b>Welcome by Dr. Vivian Williamson Whitney, Program Administrator</b>
9:30 am - 10:45 am	<b>MS PHD'S Student Participants' Self-Introduction Presentations</b> (Facilitated by Dream Team) <i>Dr. Asa-Anuku and Dr. Barnard mentees</i>
10:45 am - 11:00 am	<b>Break</b>
11:00 am - 11:45 am	<b>Keynote Speaker</b> Dr. Claudia Alexander, Project Scientist U.S. Rosetta Project Jet Propulsion Laboratory <i>(Introduced by Dr. Vivian Williamson Whitney)</i>
11:45 am - 1:15 pm	<b>Lunch “on your own”</b> Nearby restaurants <i>Participants eat with someone they do not know</i>
1:15 pm - 2:30 pm	<b>MS PHD'S Student Participants' Self-Introduction Presentations</b> (Facilitated by Dream Team) <i>Dr. Bolman and Dr. Jearld mentees</i>
2:30 pm - 2:45 pm	<b>Break</b>
2:45 pm - 4:00 pm	<b>MS PHD'S Student Participants' Self-Introduction Presentations</b> (Facilitated by Dream Team) <i>Dr. Jones and Dr. Tindall mentees</i>
4:00 pm - 4:30 pm	<b>Video Conference Presentation by Dr. Ashanti Johnson</b> <i>Founder and Director of the MS PHD'S Professional Development Program</i>
4:30 pm - 5:30 pm	<b>AGU Science Meeting Mentors-Mentee Pair Introductions</b> San Francisco Marriott Marquis Hotel (Sierra I)
5:30 pm - 6:00 pm	<b>Pick up AGU Meeting Materials</b> Halls A-C (Moscone South) Lobby (Moscone West)
5:30 pm - 7:00 pm	<b>AGU Ice Breaker</b> Hall D (Moscone North)

7:00 pm	<b>Dinner "on your own"</b> Nearby restaurants
<b>Monday, December 5, 2011</b>	
7:00 am - 3:30 pm <i>(Optional)</i>	<b>GIFT Workshop</b> San Francisco Marriott Marquis, Golden Gate A <i>(This optional 2-day workshop for current and preservice middle and secondary school teachers includes talks by leading research scientists coupled with take-it-to-the-classroom activities!)</i> <b><i>(Registration Required)</i></b>
8:00 am - 6:00 pm	<b>AGU Presentations</b>
12:00 pm - 1:00 pm	<b>AGU Science Meeting Mentors-Mentee pair introductions <i>(Optional)*</i></b> Student Lounge at the Career Center, Moscone Center Exhibit Hall <i>*Session is for mentors and mentees who were not introduced during the Sunday session.</i>
12:00 pm - 1:00 pm	<b>Lunch "on your own"</b> Nearby restaurants
3:00 pm - 5:00 pm	<b>Reflective Exercises Session</b> Beresford Arms (Parlor Suite) Learning styles, leadership traits, personality types & community building activities (introductions by resumes, team building exercises) <i>Facilitated by Dr. Vivian Williamson Whitney</i>
5:00 pm - 6:00 pm	<b>Curriculum Vitae Development Session</b> Beresford Arms (Parlor Suite) <i>Facilitated by Dr. Vivian Williamson Whitney</i>
6:00 pm - 6:15 pm	<b>Break</b>
6:15 pm - 6:45 pm	<b>Catered Dinner</b> Beresford Arms Hotel (Parlor Suite)
6:45 pm - 7:15 pm	<b>Guest Speaker, Dr. Tenea Nelson, Assistant Dean, Office of Multicultural Affairs, Stanford University School of Earth Sciences</b> Beresford Arms Hotel (Parlor Suite) <i>Dr. Nelson will discuss best practices on applying for graduate school opportunities</i>
7:15 pm - 7:30 pm	<b>Break</b>
7:30 pm - 9:00 pm	<b>MS PHD'S Women's Discussion</b> "Our Voices: Affirming and Empowering Sisters" Beresford Arms (Parlor Suite)
7:30 pm - 9:00 pm	<b>MS PHD'S Men's Discussion</b> "Our Voices: Affirming and Empowering Brothers" Beresford Arms (Dr. Warner Ithier Guzman's room)
<b>Tuesday, December 6, 2011</b>	
6:45 am - 7:45 pm	<b>Student Breakfast</b> San Francisco Marriott Marquis, Salon 7 Take advantage of the opportunity to meet AGU leadership and staff and learn about the future course of the Union and its programs. Meet fellow students and future colleagues. <i>Seating is strictly limited to 400 on a first-come, first-served basis.</i>
7:00 am - 3:30 pm <i>(Optional)</i>	<b>GIFT Workshop</b> San Francisco Marriott Marquis, Golden Gate A <i>(This optional 2-day workshop for current and preservice middle and secondary school teachers includes talks by leading research scientists coupled with take-it-to-the-classroom activities!)</i> <b><i>(Registration Required)</i></b>

8:00 am - 6:00 pm	<b>AGU Presentations</b>
8:00 am - 12:20 pm ( <i>Optional</i> ) <i>MS PHD'S Dream Team Participant Presentation</i>	<b>"Ecology and distribution of a new biomarker linked to 1,2-dichloropropane dechlorination in subsurface environments"</b> Poster Presentation - <i>MS PHD'S Dream Team Participant</i> , Elizabeth Padilla Halls A-C (Moscone South)
8:00 am- 12:20 pm ( <i>Optional</i> ) <i>MS PHD'S Dream Team Participant Presentation</i>	<b>"Imaging the Middle America subduction zone with body waves extracted from ambient noise by seismic interferometry"</b> Poster Presentation - <i>MS PHD'S Dream Team Participant</i> , Wanda Vargas Halls A-C (Moscone South)
8:00 am - 12:20 pm ( <i>Optional</i> ) <i>MS PHD'S Mentee Presentation</i>	<b>"The Effect of Temperature on Fatty Acid Vesicle Formation in Simulated Deep-ocean Conditions"</b> Poster Presentation - <i>MS PHD'S Mentee</i> , Aomawa Shields Halls A-C (Moscone South)
8:00 am - 12:20 pm ( <i>Optional</i> ) <i>MS PHD'S Mentee Presentation</i>	<b>"Water uptake of trees in a montane forest catchment and the geomorphological potential of root growth in Boulder Creek Critical Zone Observatory, Rocky Mountains, Colorado"</b> Poster Presentation - <i>MS PHD'S Mentee</i> , Breanna Skeets Halls A-C (Moscone South)
10:40 am - 10:55 am ( <i>Optional</i> ) <i>MS PHD'S Mentor Presentation</i>	<b>"Nutrient Overland Flow and Nitrous Oxide Losses from Residential Landscapes"</b> Oral Presentation - <i>MS PHD'S Meeting Mentor</i> , Dr. Porche Spence Room 2008 (Moscone West)
10:50 am - 11:05 am ( <i>Optional</i> ) <i>MS PHD'S Dream Team Presentation</i>	<b>"MS PHD'S: Bridging the Gap of Academic and Career Success Through Educational and Professional Development for Minorities"</b> Oral Presentation - <i>MS PHD'S Dream Team</i> , <u>Dana Brown</u> , Wanda Vargas, Elizabeth Padilla, Jeramie Strickland, Erica Echols, Ashanti Johnson, Vivian Williamson Whitney, Warner Ithier-Guzman, Lois Ricciardi, Aisha Johnson, LaTanya Braxton Room 301 (Moscone South)
11:05 am - 11:20 am ( <i>Optional</i> ) <i>MS PHD'S Staff Presentation</i>	<b>"MS PHD'S: Effective Pathways to Mentoring for Increasing Diversity in the Geoscience Workforce – What have we done? What can we still do?"</b> Oral Presentation - <i>MS PHD'S Staff</i> , <u>Lois Ricciardi</u> , Ashanti Johnson, Vivian Williamson Whitney, Warner Ithier-Guzman, Aisha Johnson, LaTanya Braxton Room 301 (Moscone South)
11:35 am - 11:50 am ( <i>Optional</i> ) <i>MS PHD'S Mentor Presentation</i>	<b>"Native America: American Indian Geoscientists &amp; Earth System Science"</b> Oral Presentation - <i>MS PHD'S Program Mentor</i> , Dr. Jacqueline Bolman Room 301 (Moscone South)
12:30 pm - 1:30 pm	<b>Congressional Science Fellowship and Mass Media Fellowship Luncheon</b> Room 125 (Moscone North)
4:00 pm - 6:00 pm	<b>Developing Your Oral and Poster Presentation Skills</b> Beresford Arms (Parlor Suite) <i>Facilitated by Dr. Vivian Williamson Whitney and Allyson Fauver</i>
6:00 pm - 7:00 pm	<b>Pizza Night! Sponsored by Beresford Arms</b> Beresford Arms Hotel (Parlor Suite )
6:00 pm	<b>Dinner "on your own"</b> Nearby restaurants

## Wednesday, December 7, 2011

8:00 am - 6:00 pm	<b>AGU Presentations</b>
8:00 am - 12:00 pm <i>(Optional)</i>	<b>Purchase Career Lunch Tickets from the Career Center</b> Moscone South Poster Hall Tickets are \$5 USD and available to first 200 students
8:15 am - 8:30 am <i>(Optional)</i> <b>MS PHD'S Mentor Presentation</b>	<b>"Can Sesquiterpene SOA be good CCN?"</b> Oral Presentation - <i>MS PHD'S</i> Program Mentor, Dr. Akua Asa-Awuku Room 3002 (Moscone West)
9:00 am - 12:00 pm <i>(Optional)</i>	<b>Navigating the NSF System Workshop</b> Rooms 222-226 (Moscone South) <i>(Optional Workshop recommended for early-career to mid-career participants, especially graduate students, post-docs, researchers, and tenure-track faculty thinking about applying for NSF funding for the first time.)</i>
12:30 pm - 1:30 pm <i>(Optional)</i>	<b>AGU and AGI 2011 Fall Meeting Career Opportunities Networking Lunch</b> San Francisco Marriott Marquis, Salon 4 <i>(Optional luncheon to learn how to practice your networking skills and find out about careers in a wide range of employments sectors from government labs and agencies, industry, consulting, and non-governmental organizations.)</i> <b>Ticket required</b>
12:30 pm - 1:30 pm <i>(Optional)</i>	<b>NASA Heliophysics Division Proposal Writing Workshop</b> Room 112 (Moscone North) <i>(Optional workshop with program managers from the Heliophysics Division of NASA providing overviews on their division's grant proposal submission and review process. Useful strategies for writing effective proposals will also be explored.)</i>
1:40 pm - 6:00 pm <i>(Optional)</i> <b>MS PHD'S Mentor Session</b>	<b>H33: Partitioning Evaporation, Transpiration and Deep Percolation in Vegetated Catchments / Posters</b> Convener: <i>MS PHD'S</i> Program Mentor, Dr. Holly R. Barnard Halls A-C (Moscone South)
1:40 pm - 6:00 pm <i>(Optional)</i> <b>MS PHD'S Mentee Presentation</b>	<b>"Evapotranspiration and Urban Carbon Dioxide Flux in Miami - Dade, Florida"</b> Poster Presentation - <i>MS PHD'S</i> Mentee, Troy Bernier Halls A-C (Moscone South)
2:00 pm - 5:00 pm <i>(Optional)</i>	<b>How to Network Workshop</b> Room 110 (Moscone North) <i>(Optional workshop recommended for early-career to midcareer scientists, especially graduate students, post-docs, researchers, and tenure-track faculty.)</i>
3:00 pm - 4:00 pm <i>(Optional)</i> <b>IBP Career Lounge Talk</b>	<b>IBP Session "Funding your Education: NASA and NSF Paid Summer Research, Fellowships, and Scholarships"</b> <i>(Learn about a variety of NASA and National Science Foundation paid research experiences, scholarships, and fellowships in the Earth Sciences. Receive information on how to search for and apply for scholarships, fellowships, and internships in a wide variety of disciplines and geographic regions. Ask questions about finding opportunities and receive tips on identifying research and funding opportunities that meet your needs and interests.)</i> Moscone South Poster Hall (Next to the AGU Career Center)
5:30 pm - 5:45 pm <i>(Optional)</i> <b>MS PHD'S Mentor Presentation</b>	<b>"Using Bayesian Belief Networks to Explore the Effects of Nitrogen Inputs on Wetland Ecosystem Services"</b> Oral Presentation - <i>MS PHD'S</i> Meeting Mentor, Dr. Porche Spence Room 2006 (Moscone West)

7:00 pm - 8:00 pm	<b>Honors Ceremony</b> Room 134 (Moscone North)
8:15 pm - 10:15 pm	<b>Honors Reception</b> Room 110 (Moscone North)
<b>Thursday, December 8, 2011</b>	
8:00 am - 6:00 pm	<b>AGU Presentations</b>
12:15 pm - 1:30 pm	<b>BrightStars/MS PHD'S lunch</b> Moscone North (Room 124)
1:30 pm - 3:00 pm <i>(Optional)</i> <b>Mentoring/Shadow Program for AGU BrightStars</b>	<b>Engage a BrightStars Student in Attending an AGU Session</b> Following the luncheon you may volunteer to mentor a BrightStars high school student by allowing the student to shadow you at an AGU Oral or Poster Session.
1:40 pm - 6:00 pm <i>(Optional)</i> <b>MS PHD'S Mentor Session</b>	<b>H33: Partitioning Evaporation, Transpiration and Deep Percolation in Vegetated Catchments II / Oral</b> Convener: <i>MS PHD'S</i> Program Mentor, Dr. Holly R. Barnard Room 3012 (Moscone West)
6:00 pm - 6:45 pm	<b>Catered Dinner</b> Beresford Arms Hotel (Parlor Suite)
6:45 pm - 7:00 pm	<b>Break</b>
7:00 pm - 8:30 pm	<b>Cohort VIII Phase I Debriefing Session</b> Beresford Arms (Parlor Suite) <i>Facilitated by Dr. Vivian Williamson Whitney</i>
<b>Friday, December 9, 2011</b>	
8:00 am - 6:00 pm	<b>AGU Presentations</b>
8:00 am - 12:20 pm <i>(Optional)</i> <b>MS PHD'S Cohort VII Alumnus Presentation</b>	<b>"Brittle-ductile shear zone formation in the McKim Limestone: eastern Monument Upwarp, Utah"</b> Poster Presentation - <i>MS PHD'S Cohort VII</i> Alumnus, Solomon Seyum Halls A-C (Moscone South)
8:00 am - 12:20 pm <i>(Optional)</i> <b>MS PHD'S Mentee Presentation</b>	<b>"Wrf Optimization for Forecasting Wet Microburst Potential"</b> Poster Presentation - <i>MS PHD'S</i> Mentee, Dereka Carroll Halls A-C (Moscone South)
12:00 pm - 1:00 pm	<b>Lunch "on your own"</b> Nearby restaurants
1:40 pm - 6:00 pm <i>(Optional)</i> <b>IBP/MS PHD'S Participant Session</b>	<b>IBP Session OS53C. Pathways to Ocean Sciences: Broadening Participation in Ocean Sciences REU Programs Posters</b> <b>Convener:</b> Allyson Fauver, IBP Director of Policy & Analysis, Project Manager, Pathways to Ocean Sciences <b>Convener:</b> Lois Ricciardi, <i>MS PHD'S</i> Project Coordinator Halls A-C (Moscone South)
1:40 pm - 6:00 pm <i>(Optional)</i> <b>IBP Staff Presentation</b>	<b>"Pathways to Ocean Sciences: Broadening Participation in Ocean Sciences REU Programs"</b> Poster Presentation, IBP Director of Policy & Analysis, Allyson Fauver Halls A-C (Moscone South)
1:40 pm - 6:00 pm <i>(Optional)</i> <b>MS PHD'S Mentor Presentation</b>	<b>"The Woods Hole Partnership Education Program: Increasing Diversity in the Ocean and Environmental Sciences in One Influential Science Community"</b> Poster Presentation - <i>MS PHD'S</i> Program Mentor, Dr. Ambrose Jearld Halls A-C (Moscone South)

<p>1:40 pm - 6:00 pm (<i>Optional</i>)  <i>MS PHD'S</i> Mentor  <b>Presentation</b></p>	<p><b>"Contamination, Transport, and Exposure Mapping and Assessment of Karst Groundwater Systems in Northern Puerto Rico Using GIS"</b>  Poster Presentation - <i>MS PHD'S</i> Program Mentor, Dr. Joniqua Howard  Halls A-C (Moscone South)</p>
<p>11:00 am - 11:00 pm</p>	<p><i>MS PHD'S</i> Participants Depart</p>
<p><b>Saturday, December 10, 2011</b></p>	
<p>Various Times</p>	<p><i>MS PHD'S</i> Participants Depart</p>