

DESCRIPTION OF SESSIONS

➤ **POWER POINT PRESENTATION UPLOAD – UNDERGRADUATES**

UNDERGRADUATES SHOULD UPLOAD AND REVIEW THEIR ORAL PRESENTATION DURING ONE OF THESE TWO SESSIONS. TECHNICAL ASSISTANCE WITH THESE PRESENTATIONS WILL BE AVAILABLE.

➤ **FUNDING/ORIENTATION/NETWORKING SESSIONS – ALL DISCIPLINES (BIOSCIENCE, ENGINEERING & PHYSICAL SCIENCE, SOCIAL SCIENCES & HUMANITIES) – UNDERGRADUATES**

PANELISTS WILL OUTLINE **FUNDING OPPORTUNITIES** FOR UNDERGRADUATES, WITH TIME FOR Q&A BETWEEN PANELISTS AND PARTICIPANTS. THE **ORIENTATION** SESSION IS INTENDED TO PROVIDE AN OVERVIEW OF THE SYMPOSIUM AND DISCUSS EXPECTATIONS FOR SYMPOSIUM PARTICIPANTS. UNDERGRADUATES WILL BE PROVIDED WITH A CONFERENCE TOOL PRIOR TO THEIR ARRIVAL TO HELP THEM HIGHLIGHT THEIR GOALS AND ORGANIZE THE INFORMATION AND CONTACTS THEY MAY OBTAIN DURING THE CONFERENCE. THE FINAL SESSION IS DESIGNED TO FOSTER **NETWORKING** AMONG THE SYMPOSIUM PARTICIPANTS (UNDERGRADUATES, GRADUATE STUDENTS, DOCTORAL SCHOLARS, FACULTY, ETC.) ACROSS ALL THE DISCIPLINES.

➤ **MODERATORS TRAINING – GRADUATE STUDENTS & DOCTORAL SCHOLARS**

THIS SESSION AIMS TO HELP PREPARE YOU TO EFFECTIVELY MODERATE UNDERGRADUATE ORAL PRESENTATIONS DURING UNDERGRADUATE POSTER PRESENTATIONS. INFORMATION WILL BE PROVIDED REGARDING THE INTRODUCTION, HANDLING OF QUESTIONS AND MANAGEMENT OF ORAL PRESENTATIONS. IN ADDITION, YOU WILL REVIEW ORAL AND POSTER SESSION LOGISTICS AND DISCUSS SAMPLE QUESTIONS. DURING ORAL PRESENTATIONS, DOCTORAL SCHOLARS WILL ASSIST GRADUATE STUDENT MODERATORS BY MONITORING TIME AND MANAGING THE ROOM. DOCTORAL SCHOLARS WILL ALSO BE ENCOURAGED TO ASSIST GRADUATE STUDENT MODERATORS IN COMPILING WRITTEN EVALUATIONS OF EACH PRESENTER. MODERATORS WILL RECEIVE ASSIGNMENTS FOR ORAL OR POSTER SESSIONS AND REVIEW FEEDBACK FORMS. PLEASE NOTE THAT MODERATORS' AREAS OF EXPERTISE ARE CONSIDERED WHEN ASSIGNING UNDERGRADUATE ORAL AND POSTER PRESENTERS.

➤ **GRADUATE RESEARCH FELLOWSHIP PROGRAM- UNDERGRADUATES & GRADUATE STUDENTS**

THE NSF GRADUATE RESEARCH FELLOWSHIP PROGRAM (GRFP) HELPS TO ENSURE THE VITALITY AND DIVERSITY OF THE SCIENTIFIC AND ENGINEERING WORKFORCE IN THE UNITED STATES. THE PROGRAM RECOGNIZES AND SUPPORTS OUTSTANDING GRADUATE STUDENTS WHO ARE PURSUING RESEARCH-BASED MASTERS AND DOCTORAL DEGREES IN FIELDS WITHIN NSF'S MISSION. THE GRFP PROVIDES THREE YEARS OF SUPPORT FOR THE GRADUATE EDUCATION OF INDIVIDUALS WHO HAVE DEMONSTRATED THEIR POTENTIAL FOR SIGNIFICANT ACHIEVEMENTS IN SCIENCE AND ENGINEERING RESEARCH. IN THIS SESSION, YOU WILL LEARN HOW TO DEVELOP A COMPETITIVE APPLICATION, INCLUDING WAYS TO WRITE A COMPELLING PERSONAL STATEMENT AND CONVEY YOUR RESEARCH IDEA. ***THIS SESSION IS FOR SENIORS, FIRST, AND SECOND YEAR GRADUATE STUDENTS IN STEM, SOCIAL SCIENCES, PSYCHOLOGY, PHYSICS & ASTRONOMY, MATERIALS RESEARCH, LIFE SCIENCES, AND GEOSCIENCES.***

BREAKFAST SESSION – FOLLOWED BY PRESENTATION FROM:

➤ **NOVARTIS – GAP YEAR SCHOLAR PROGRAM –UNDERGRADUATES**

(ELIGIBLE DISCIPLINES- APPLIED & BASIC BIOSCIENCE AND ORGANIC/SYNTHETIC CHEMISTRY)

LEARN MORE ABOUT THE BENEFITS OF PARTICIPATING IN A 2-YEAR POST BACCALAUREATE RESEARCH EXPERIENCE AT THE NOVARTIS INSTITUTES FOR BIOMEDICAL RESEARCH (NIBR). THE PROGRAM OFFERS A UNIQUE OPPORTUNITY TO PERFORM INNOVATIVE, FUNDAMENTAL RESEARCH IN A PHARMACEUTICAL SETTING. A PANEL OF ALUMNI AND CURRENT GAP YEAR SCHOLARS WILL ENGAGE IN A LIVELY DISCUSSION EXPLORING THE PROGRAM HIGHLIGHTS, PUBLICATION RECORDS, SCIENTIFIC PROJECTS, AND PROGRAMMING ELEMENTS THAT HELP TO STRENGTHEN THEIR COMPETITIVENESS FOR TOP BIOMEDICAL PHD AND MD-PHD PROGRAMS.

➤ **PREP (POST-BACCALAUREATE RESEARCH EDUCATION PROGRAM) – UNDERGRADUATES**

PREP IS A NIH-FUNDED INTERNSHIP PROGRAM THAT ENCOURAGES UNDERREPRESENTED MINORITIES WHO HOLD A RECENT BACCALAUREATE DEGREE IN A BIOMEDICALLY RELEVANT SCIENCE TO GAIN THE RESEARCH SKILLS AND ACADEMIC CREDENTIALS TO BECOME COMPETITIVE APPLICANTS TO, AND SUCCESSFUL STUDENTS IN, HIGHLY SELECTIVE DOCTORAL PROGRAMS. IN THIS SESSION YOU WILL LEARN ABOUT PROGRAM SITES THE BENEFITS OF THE PREP PROGRAM, AND HOW TO APPLY.

➤ **NEW – CURATING YOUR ONLINE PRESENCE –UNDERGRADUATES (HUMANITIES AND SOCIAL SCIENCES)**

IN THIS DIGITAL ERA, THE INTERNET IS OFTEN THE FIRST WAY PEOPLE ARE ENCOUNTERED AS PROFESSIONALS AND SCHOLARS. IF YOU DO NOT HAVE A CLEAR ONLINE PRESENCE, SEARCH ENGINES LIKE GOOGLE WILL CREATE YOUR IDENTITY FOR YOU. THIS DISCUSSION WILL HELP ATTENDEES TAKE CONTROL OF YOUR ONLINE PRESENCE SO SEARCH ENGINE QUERIES DIRECT PEOPLE TO YOUR ACCOMPLISHMENTS, NOT IRRELEVANT CONTENT (OR EVEN TO SOMEONE ELSE ENTIRELY!). PANELISTS BE DISCUSSING HOW TO CREATE A WEBSITE OR LANDING PAGE, EASY-TO-USE SITE-BUILDERS, AND WAYS TO DEVELOP A DIGITAL PROFESSIONAL NETWORK (FACEBOOK, TWITTER, TUMBLR, LINKEDIN, VITAE, ACADEMIA.EDU, GOOGLE), AND BLOGGING. IT IS NEVER TOO EARLY TO BEGIN TAKING CONTROL OF WHAT YOUR ONLINE PRESENCE SAYS ABOUT YOU!

➤ **NEW - DEVELOPING YOUR NETWORK: BEST PRACTICES FOR NETWORKING - DOCTORAL SCHOLARS & GRADUATE STUDENTS**

MOST PEOPLE FIND NETWORKING INTIMIDATING AND OFTEN SHY AWAY FROM THIS VALUABLE ACTIVITY. IN THIS PRESENTATION, YOU WILL RECEIVE TIPS TO REMOVE THE STRESS OF NETWORKING, SO THAT YOU CAN EASILY AND EFFECTIVELY NAVIGATE THIS ACTIVITY. THIS SESSION WILL GIVE YOU ADVICE FOR HOW TO START CONVERSATIONS BY DEMONSTRATING A FEW EXAMPLES OF OPENING LINES AND HOW TO NAVIGATE CONVERSATION TO KEEP THE DISCUSSION FLOWING. YOU WILL ALSO LEARN HOW TO DEVELOP AN EFFECTIVE PITCH, SO THAT THE NEXT TIME SOMEONE ASKS YOU, “WHAT DO YOU DO?”, YOU WILL HAVE A SIMPLE BUT EFFECTIVE RESPONSE.

➤ **LUNCH WITH DOCTORAL SCHOLARS PANEL**

IN THIS PANEL, OUR DOCTORAL SCHOLARS REFLECT ON THEIR ACADEMIC TRANSITION INTO THEIR CAREER PATHWAY, AND PROVIDE PARTICIPANTS IN THE **BIOSCIENCE, ENGINEERING, PHYSICAL SCIENCE & MD-PHD DISCIPLINES** WITH REAL-TIME ADVICE AND MENTORING. DOCTORAL SCHOLARS NOT PARTICIPATING ON THE PANEL ARE ENCOURAGED TO SIT AND HAVE LUNCH WITH THE UNDERGRADUATES.

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➤ **NEW* SELF-ASSESSMENT & CAREER EXPLORATION: *METHODS FOR EXPLORING CAREERS THAT FIT YOUR INTERESTS, VALUES***

AND SKILLS –GRADUATE STUDENTS AND DOCTORAL SCHOLARS

AS A PREDOCTORAL OR POSTDOCTORAL TRAINEE, YOU HAVE ALREADY LEARNED THAT A PHD DEGREE CAN LEAD TO VARIETY OF EXCITING CAREER PATHS. SELECTING WHICH TRAJECTORY WILL BRING YOU OPTIMAL SUCCESS AND GRATIFICATION IS YOUR NEXT CHALLENGE. PRIOR TO INITIATING A JOB SEARCH, YOU MUST PRACTICE CAREFUL SELF-REFLECTION TO DETERMINE YOUR IDEAL CAREER FIT. THIS INTERACTIVE WORKSHOP WILL FACILITATE THIS PROCESS BY INTRODUCING TOOLS FOR SELF-ASSESSMENT THAT SURVEY YOUR INTERESTS, VALUES AND SKILLS. WE WILL ALSO DISCUSS STRATEGIES FOR EXPLORING YOUR IDENTIFIED CAREER FIT AND HOW TO GAIN EXPERIENCES THAT WILL MAKE YOU A STANDOUT APPLICANT.

➤ **BREAKFAST PANELS: *THE GRADUATE SCHOOL APPLICATION & INTERVIEW PROCESS* – UNDERGRADUATES BIOSCIENCES, SOCIAL SCIENCES & HUMANITIES, ENGINEERING & PHYSICAL SCIENCE, MD-PHD**

THE GRADUATE SCHOOL APPLICATION PROCESS PANELS ARE A CONSTANT FEATURE OF THE SYMPOSIUM. THE GOAL OF THESE DISCIPLINE SPECIFIC SESSIONS IS TO INTRODUCE UNDERGRADUATE STUDENTS TO THE PROCESS OF APPLYING TO PHD AND MD-PHD PROGRAMS. TOPICS TO BE ADDRESSED INCLUDE, BUT ARE NOT LIMITED TO:

1. HOW TO CHOOSE AND BE COMPETITIVE FOR THE RIGHT **PHD** PROGRAM
2. HOW TO CHOOSE AND BE COMPETITIVE FOR THE RIGHT **MD-PHD** PROGRAM
3. APPLICATION SUBMISSION
4. FINANCING YOUR GRADUATE EDUCATION

➤ **APPLYING FOR THE AAAS SCIENCE & TECHNOLOGY POLICY FELLOWSHIPS – PHD CANDIDATES, DOCTORAL SCHOLARS, FACULTY**

THE AAAS SCIENCE & TECHNOLOGY POLICY FELLOWSHIPS ARE A PUBLIC SERVICE AND PROFESSIONAL DEVELOPMENT OPPORTUNITY. FELLOWSHIPS ARE AWARDED TO HIGHLY QUALIFIED INDIVIDUALS INTERESTED IN LEARNING ABOUT THE SCIENCE-POLICY INTERFACE WHILE APPLYING THEIR SCIENTIFIC AND TECHNICAL KNOWLEDGE AND ANALYTICAL SKILLS TO THE FEDERAL POLICY REALM. IN THIS SESSION, PARTICIPANTS WILL LEARN ABOUT FELLOWSHIP EXPERIENCES, THE APPLICATION PROCESS, AND THE CAREER OPPORTUNITIES AVAILABLE AFTER THE FELLOWSHIP.

➤ **RECRUITING FAIRS**

THE RECRUITING FAIR PROVIDES AN OPPORTUNITY FOR STUDENTS TO TALK ONE-ON-ONE WITH FACULTY, ADMINISTRATORS AND STAFF FROM ALLIANCE MEMBER INSTITUTIONS AND WITH ALLIANCE AFFILIATES FROM BOTH PRIVATE AND PUBLIC RESEARCH ORGANIZATIONS. PARTICIPATING REPRESENTATIVES WILL SHARE INFORMATION ABOUT THE PROGRAMS, RESOURCES AND OPPORTUNITIES THAT INSTITUTIONS AND AFFILIATED ORGANIZATIONS HAVE TO OFFER FOR STUDENTS AT THE UNDERGRADUATE, GRADUATE AND POSTDOCTORAL LEVEL. ***THERE WILL BE A SIMULTANEOUS FAIR FOR STUDENTS IN THE SOCIAL SCIENCE & HUMANITIES DISCIPLINE.***