SUMMIT CALLING CARDS

Join the conversation – Tweet with us!
NABi Twitter handle: @NA4Bi
Summit hashtag: #NABi16

Broader Impacts Network
University of Missouri
BroaderImpacts.Missouri.edu  @Mizzou_BI

SERVICES OFFERED
• Development of BI Plan
• Networking and Identifying BI Partnerships
• Evaluation Plan Support

COME TALK WITH US!
• Susan Renoe
• Sara Vassmer
• Olivia Gill
• Dave Baker
• Anahita Zare
• Sid Vodnala
• Portia Flowers
An Evolving Commitment to Broader Impacts

Goals:
- Working with faculty on goals from inception to execution (educational goals & outcomes, standards alignment)
- Engaging K-12 educators to develop lasting & meaningful partnerships

Steps Taken:
- Coordination of logistics and resources within the College and with our University Leonard Gelfand Center for Outreach
- Strengthening existing & developing new partnerships/populations served
- Leveraging successful programming and content to provide opportunities for faculty to engage in outreach

Alicia Angemeer, Ph.D.
Broader Impacts Manager
adbrown@andrew.cmu.edu

Jim Bader
jxb14@case.edu

Walking the Talk Since 1998

Ask about Introduction to Innovation, our new campus wide Broader Impacts program launching in summer 2017!
MU Broader Impact Network

Enhancing MU Extension’s Relationship With Research

David Baker
Assistant Dean Emeritus
bakerd@Missouri.edu
573-424-4638

Visit InformalScience.org to:

- Learn from experience through our repository of project descriptions, research and reference materials, and evaluation reports.
- Access peer-reviewed articles from EBSCO.
- Discover new opportunities for funding and professional development.
- Share your expertise through our community-generated Knowledge Base.

For more information, contact us at CAISE@InformalScience.org.

Contact Info:
James Bell,
Project Director
jbell@astc.org
Building capacity for scientists and engineers to engage with publics

Increasing awareness of public engagement and its benefits

Training scientists to engage with non-scientific audiences
Megan Candelaria  
Wyoming NASA Space Grant  
EENano Technology NSF GK-12  
WYSTEM K-14 Engagement Office  
MegDiane@uwyo.edu

How can we encourage different groups on campus to work together to make a larger collective impact using Broader Impacts?

Wyoming NASA Space Grant & Program  
www.uwyo.edu/WYSTEM          wyomingspacegrant.uwyo.edu/

Mission: to serve as an interface between K-14 students and teachers, higher education, and industry to expand and enhance STEM education in Wyoming

MAKE STEM HAPPEN

University of Wyoming  uwoyo.edu

GO FOR GOLD

www.uwyo.edu/WYSTEM wyomingspacegrant.uwyo.edu/

Building Bridges between Scientists, Educators and Students

Lenora Crabtree
Veteran Educator  
Graduate Student  
University of NC at Charlotte  
Lmcrabtr@uncc.edu

Research Interest:  
Transforming Science Education through a Social Justice Framework
Dr. Stefan de Jong
Knowledge broker

S.de_Jong@luris.nl | @Stefan_de_J | https://nl.linkedin.com/in/stefanpldejong
www.luris.nl

I’m interested in the relationship between impact policies and academic impact practices...

I wonder...How can we stimulate broader impacts without making it a policy imposed thing?

...and ways to raise impact awareness among academics

GHENT UNIVERSITY (Belgium)

Esther De Smet
Senior Research Policy Advisor
Esther.DeSmet@UGent.be
ORCID 0000-0001-7175-5089
@sterretje8

Point of Contact for institutional policy on societal impact of research
- Coordinating specific policy actions
- Advising researchers on impact and communication strategy in project proposals
- Hosting workshops on impact, digital presence, research communication, and social media
- Involved in H2020 project ACCOMPLISSH
- Involved in H2020 COST Action ENRESSH
- Twitter evangelist

A researcher who understands and cares about open science and the impact of his/her work is a better researcher.
The Center for STEM Education
Building a legacy of engagement in STEM

Claire Duggan
Director
The Center for STEM Education
Northeastern University
c.duggan@neu.edu
www.stem.neu.edu

Katie Engen
Education & Outreach
American Society of Plant Biologists
katie@aspb.org

@ASPB #plantsci  www.facebook.com/myASPB  HQ - Rockville, Maryland
Boyle Thompson Institute

Tiffany Fleming
Director of Education and Outreach
tfleming@cornell.edu
607-254-6732
bti.cornell.edu/education
#BTiscience

- BTI Mission: To advance and communicate scientific knowledge in plant biology to improve agriculture, protect the environment, and advance human health.
- Education programs aim to link students, teachers, and scientists in plant research to increase scientific literacy, and to cultivate a new generation of diverse STEM talent, from STEM educators to future scientists.

Science Discovery
UNIVERSITY OF COLORADO BOULDER

Stacey Forsyth

- K-12 STEM Programs
- NGCP / Girls in STEM
- Portal to the Public & Teen Science Café Network

Stacey.Forsyth@colorado.edu
http://sciencediscovery.colorado.edu
Broader Impacts Resource Connector

The CMU BIRC was established to support the integration of education and outreach into U.S. National Science Foundation (NSF) research projects and other proposals that require the researcher to address societally-relevant goals. Our goal is to assist researchers in the development, implementation, and assessment of high-quality Broader Impacts plans.

Judith Hallinen, EdD
Assistant Vice Provost for Educational Outreach
hallinen@cmu.edu

New models for broadening participation in STEM through new innovative program platforms and cutting edge research content

Town Center at the Discovery Building, UW-Madison

Programs platforms for

- Inventors, entrepreneurs and researchers
- Community members
- K-12 students and educators

Laura Heisler
Director of Programming,
WARF
Director of Outreach,
Morgridge Institute for Research

www.discovery.wisc.edu
The Public Outreach Committee of the American Society for Biochemistry and Molecular Biology (ASBMB) provides training, resources and opportunities for ASBMB members to get involved with informal education and science outreach in their local communities.

Michelle Higgins
Associate Director,
STEM Learning Center
mlhiggins@email.arizona.edu
520-444-2561

Ask me about persistence in STEM, broadening participation, industry partnerships, and project evaluation

Geoff Hunt
Manager of Public Outreach
American Society for Biochemistry and Molecular Biology
www.asbmb.org/outreach
ghunt@asbmb.org
Twitter: @TheGeoffHunt
Rutgers University
Office of STEM Education

Rutgers’ Math and Science Learning Center (MSLC) is an academic support and outreach center that provides tours of its hands-on demonstrations and science instruction to visiting school groups. Integral parts of the outreach mission at the MSLC are the Rutgers Geology Museum and the Rutgers Science Explorer (RSE), also known as the Science Bus. The RSE visits middle schools, extending the Rutgers community within a 50 miles radius from New Brunswick, NJ. Graduate students in the STEM fields lead hands-on demonstrations about their ongoing research projects during the academic year, while they develop their science communication skills.

Wake up to
The Bedtime Research Institute

Conducting research on problems that impact society, inform policy, and/or are of broad societal interest.

Bed Time Research Institute

Sheldon H. Jacobson
Dept. of Computer Science
University of Illinois at Urbana-Champaign
Email: shj@illinois.edu
Website: shj.cs.illinois.edu
Twitter: @shjanalytics
The Portal to the Public Network (PoPNet) helps organizations connect public audiences with the science and innovation happening in their own communities through face-to-face dialogue with researchers.

- Train-the-trainer approach
- Extensive catalog of communication training activities for researchers
- A professional community of 52 science centers, university groups, zoos, and aquariums nationwide

Eve Klein  
Portal to the Public Manager  
[eklein@pacsci.org](mailto:eklein@pacsci.org)

Anna Johnson  
Portal to the Public Specialist  
[annajohnson@pacsci.org](mailto:annajohnson@pacsci.org)

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University of Florida  
Center for Precollegiate Education and Training  
Fostering partnerships between university researchers and precollege students and teachers for 58 years!

CPET Goals
- Promotion of excellence in science, technology, engineering, and math
- Fostering interdisciplinary science education throughout university research centers
- Forging partnerships among researchers, schools, communities and industries
- Continual integration of research process and product knowledge with National Education Goals
- Fostering the skills of research students, graduate students and faculty to bring their work to the public

Mary Jo Koroly, PhD  
Director  
korolymj@cpet.ufl.edu

[www.cpet.ufl.edu](http://www.cpet.ufl.edu)
Miriam Krause, PhD
Director of Education & Outreach
mkrause@umn.edu

CSN website: susnano.wisc.edu
Blog: Sustainable-Nano.com
@SustainableNano

SUMMIT CALLING CARDS

Join the conversation – Tweet with us!
NABI Twitter handle: @NA4BI
Summit hashtag: #NABI16
• Providing Broader Impact services to our researchers
• Initiating an institute-wide approach to building our Broader Impacts portfolio

Lisa Ayers Lawrence
Marine Education Program Leader
Virginia Institute of Marine Science/College of William & Mary
Email: ayers@vims.edu

Mission: to connect students and teachers, higher education, and industry to expand and enhance STEM education in Wyoming

Dr. Shawna M. McBride
Associate Director
Wyoming NASA Space Grant & EPSCoR
WYSTEM Leadership Team
smcbride@uwyo.edu

wyomingspacegrant.uwyo.edu/  www.uwyo.edu/materialsscience/  www.uwyo.edu/wystem/
We are interested in your suggestions about how research development professionals can best help faculty develop and operationalize compelling broader impact plans.

**Tisha Mullen**  
Director, Proposal Development  
University of Nebraska-Lincoln  
402.472.2894 | tgiireathmullen2@unl.edu

**Nathan Meier**  
Director, Research Strategy  
University of Nebraska-Lincoln  
402.472.3902 | nlm@unl.edu

**Katie Mills, Ph.D.**  
University of Southern California  
Viterbi School of Engineering  
**Viterbi Adopt-a-School, Adopt-a-Teacher (VAST)**  
K-12 STEM Outreach Program  
kmills@usc.edu  
213-740-0237

[Website Link]  
[Facebook Page]  
@USCViterbiSTEM
This summer I am chairing a STEM outreach program for high school students and teachers through the Princeton American Chemical Society.

The goal is to bring together a community of scientists at all experience levels and to provide the guidance and mentorship for students starting their journey into science.

I am at NABI to learn more about effective STEM programs.

Planetary geologist dedicated to building the geoscience workforce

AISHA R. MORRIS
Education Specialist
UNAVCO (NSF Geodetic Facility)

- **Goal**: development of robust, well-trained geoscience workforce with a focus on broadening participation in the geosciences
- Provide internship opportunities for community college through graduate students
- Serve as resource for faculty interested in mentoring diverse student researchers

www.unavco.org  morris@unavco.org
Wyoming’s Experimental Program to Stimulate Competitive Research
Supported by the National Science Foundation

Liz Nysson
Education, Outreach, Diversity Coordinator
Wyoming EPSCoR
University of Wyoming
Lizn@uwyo.edu
(307) 766-4275
Dept. 3622
1000 E. University Ave.
Laramie, WY 82071

The goals of Wyoming NSF EPSCoR are:

- To facilitate the building of research and educational infrastructure;
- To increase the diversity of participants in STEM fields;
- To administer awards from NSF EPSCoR to increase national research competitiveness.
- To support the formation of the Wyoming Center for Environmental Hydrology and Geophysics (WyCEHG).

www.uwyo.edu/epscor
Connecting scientists, teachers, students and communities since 1970

How do YOU document effectiveness and impact?

Sylvia D. Parker, Coordinator
Science & Mathematics Teaching Center
Laramie, WY 82071
307-766-6671
sparker@uwyo.edu

BARBARA PEARSON, PH.D.
UNIV. OF MASSACHUSETTS AMHERST
BROADER IMPACTS SPECIALIST
BPEARSON@RESEARCH.UMASS.EDU
HTTP://WWW.UMASS.EDU/ORD/BROADERIMPACTS
CREATE A BI PLAN—FIND PARTNERS—EVALUATE IMPACT—CONTACT US

Grantsmanship, internal competitions, women in science, junior faculty near-peer mentoring, new parents’ networks, diversity programs, STEM Family travel initiative, public engagement in p&t, NIH national research mentoring network, a.o.

Working to build BI infrastructure even as we’re using it.
We serve IU faculty and students in the development of their science research engagement and communication projects through:

1. Project design, implementation support and guidance;
2. management of anchor engagement projects;
3. collaborative network brokering

Office of Science Outreach
Science Communication and Research Engagement Support

Teddie Phillipson-Mower
Associate Director

https://scienceoutreach.indiana.edu/
MICHIGAN STATE UNIVERSITY
CATCH ME IF YOU CAN: T(R)AP-DANCING WITH THE ELUSIVE RARE ISOTOPES

BROADENING-PARTICIPATION
MISSION: Create Public Awareness & Deepen Learning on Nuclear Physics & the Role of FRIB (Facility for Rare Isotope Beams) as a World-leading Scientific Lab

RESEARCH QUESTION
How does integrating an art-form (dance) with an academic subject (nuclear physics) deepen and enhance public learning?

Shobha Ramanand
Research Specialist
Office of the VP Research & Graduate Studies
Email: ramanand@msu.edu
Tel # 517-432-4499
University of Hawai‘i
Office of STEM Education

- To provide leadership and oversight of UH system-wide STEM related academic affairs
- To promote diversity and inclusion in STEM activities at UH
- To assist faculty and staff with funding opportunities related to STEM teaching and learning

www.hawaii.edu/stem

John Rand, PhD
Director
jrand@hawaii.edu

Joshua Kaakua, EdD
Specialist, Diversity
jkaakua@hawaii.edu

Julie Risien – NABI Steering Committee
Center for Research on Lifelong STEM Learning

- OSU Broader Impacts Network
- STEM Learning Systems Reform and Research
- Social Innovation and Professional Development Networks
- Equity and Inclusion Initiatives
- Informal Science Learning Research
- Transformational Learning Networks Research

Julie.Risien@oregonstate.edu
Portal to the Public developed a proven, scalable framework to engage
scientists and the public in face-to-face interactions that promote appreciation
and understanding of current scientific research and its application

Dennis Schatz
Senior Advisor, Pacific Science Center
Field Editor, Connected Science Learning, an online journal of
NSTA and ASTC
Informal Science Director, NSTA Board of Directors
P (206) 218-8946 | F (206) 443-3631 | schatz@pacsci.org
www.dennisschatz.org

Early-stage cell biologist interested in art+science
efforts, animation, and informal education

Specialized interests:
- Educational programs to bridge arts and sciences
- Using animation and illustration to convey scientific concepts/findings

Reach out if you share these interests or know of any opportunities related to them!

I would also love any advice for a recent biology PhD graduate on pursuing a career in broader impacts.

Daniel Serrano, Postdoctoral Associate
dsvolpe@umd.edu
University of Maryland College Park
Heidi Smith-Parker, Ph.D.
Grantsmanship Consultant
heidismithparker@gmail.com

Michigan State University
Office of the Vice President for Research and Graduate Studies

- Helping faculty members create innovative programs to engage the public with their research.
- Developing creative approaches to Broader Impacts
- Interested in discussing new ways to included underrepresented groups in STEM

Kate Spohr
Berkeley Research Development Office
UC Berkeley

The Berkeley Research Development Office supports effective proposal development and writing, facilitates team-building, assists with broader impacts, assesses project fit with funding opportunities, and provides proposal-related training for faculty and postdoctoral researchers.

Talk to me about sustainable, bottom-up approaches to institutionalizing broader impacts.
Office of Science Outreach

Mission
- Encourages & assists Stanford faculty with Broader Impact plans and activities.
- Organizes summer programs (RET, HS Internship Program, etc.) and community activities to increase the public's interest, understanding, and involvement in math, science, and engineering.

Organization
- Reports to Vice Provost & Dean of Research
- Founded in 2004

Kaye Storm
Director
kstorm@stanford.edu
650.724.4332

Maiken Bruhis
Assistant Director
mbruhis@stanford.edu
650.725.8144

oso.stanford.edu

Greetings from Montana State University!

We want to:
- Talk to people who are launching a centralized broader impacts office
- Connect with other NSF EPSCoR folks

Ask us about:
- The Montana Girls STEM Collaborative
- Using Technology to Research After Class (NSF AILS grant)
- Our expedition-style outreach programs based on field research
- Cornell Birdseleuth Citizen Science
- NanoDays

Jamie Cornish,
Science Outreach Specialist

Suzi Taylor,
Outreach and Communications Director
Broader impacts – relevance to society – valorisation:

I am interested to learn about your experience with regard to:

- evaluation
- assessment
- indicators (quantitative and qualitative)
- rewards

I have some expertise in this field, but I am curious to find out what other experiences, solutions or options exist.

Leonie van Drooge – l.vandrooge@rathenau.nl
NRAO’s Broadening Participation Programs

**The NINE**
World-wide “hubs” supporting workshops, mentoring, virtual classrooms, and student, faculty, and professional exchanges.
www.go.nrao.edu/nine

**The NAC**
Cohort-based, year-long student research experiences and collaboration with a network of HBCU, HSI and MSI partners.
www.go.nrao.edu/nac

Lyndele von Schill, M.Ed.
Director, Office of Diversity & Inclusion
National Radio Astronomy Observatory
520 Edgemont Road
Charlottesville, VA 22903
434-244-6896
lvonschi@nrao.edu

NRAO's Broadening Participation Programs

Center for Science and the Schools

The Center for Science and the Schools (CSATS) facilitates mutually beneficial and sustainable relationships between K-12 schools and Penn State science, technology, engineering, and math (STEM) researchers and outreach professionals, with the goal of helping to strengthen science and technology education.

Goals of CSATS related to BI:
1. Assist STEM researchers in developing, proposing and implementing K-12 STEM outreach programs utilizing best practices of professional development.
2. Provide resources and opportunities for STEM education outreach providers to develop and implement K-12 STEM outreach programs.

Dr. Annmarie Ward
Director of CSATS
Assistant Professor of Science Ed
arw192@psu.edu

Dr. Matt Johnson
Research Associate
mjohnson@psu.edu

http://csats.psu.edu
Jory Weintraub
Science Communication Director, Duke Initiative for Science & Society
Director, Duke Broader Impacts Resource Center
NABI Steering Committee

Let’s Talk About...
- Broader Impacts
- Science Education, Outreach and Communication
- Giant, freaky baby-head sculptures

jory@duke.edu | O: 919.668.0792 | scienceandsociety.duke.edu

Kate Muir Welsh, Department Head
Secondary Education
Focus: Science Education
Email: kmuir@uwyo.edu
Phone: 307-766-2013
Let’s talk about place-based education!
Please come find me!
I’m a fifth-year Astrophysics PhD candidate passionate about science and science outreach. I’m very interested in pursuing a career in science outreach and would love to talk with you to learn more!