

Bacteriophages Bringing Research into the Classroom – Brandl, et al. Appendix I. Symposium Program and Appreciation Letter



Bringing Research Into the Classroom (BRIC) Research Symposium

April 8-10, 2019 Fairmont Hot Springs Resort





Journal of STEM Outreach

Welcome to the 2019 BRIC Research Symposium

Esteemed Educators,

We would like to express our heartfelt gratitude for each of you and are proud to have you join us for the culminating Symposium for our Bringing Research Into the Classroom (BRIC) project. Over the past five years, many of you have experienced both struggles and joys as you have learned to develop your own research projects, scheduled BRIC leaders for your classroom visits, assisted us during the phage-discovery experiments, and inspired your students to continue research projects. We shared your joys and struggles as we learned how to lead a project of this scope and magnitude. We hope that our shared efforts will pay dividends into the future.

We also would like to acknowledge the support and encouragement that each administrator has provided, including those from Montana Tech. Without support from the leadership at each school, this project would not have been possible. Thank you all for allowing class time for this project, totes of microbiology equipment to be rolled through the hallways, and streamlining our student assessment process. As the education field develops, understanding what works for students is critical to understand. You enabled us to capture crucial student data and reflections, which we intend to share with broader audiences.

This event is truly a celebration of all that has been accomplished by each teacher, each school, and each district! We hope that you enjoy the symposium!

Thank you!!

Sincerely, Rayelynn Brandl Director, CFWEP



BRIC Team



Dr. Marisa Pedulla Montana Tech

Dr. Pedulla received her B.S. in Chemistry with a bioscience option at the University of Pittsburgh with coursework including studies in French and Japanese. She received her Ph.D. in Biology at the University of Pittsburgh in the laboratory of Dr. Graham Hatfull. After a brief postdoctoral position at Washington State University, she ran the Phage Genomics facility at the Pittsburgh Bacteriophage Institute and co-developed a phage discovery program with Dr. Hatfull. Beginning as an assistant professor of Biology at Montana Tech in 2005, she has brought phage discovery to over 9,000 teachers and students across Montana. This work was supported by research grants, predominantly "Bringing Research Into the Classroom" (BRIC), a 2014 NIH SEPA grant in collaboration with CFWEP.org and amazing educators across the state. Dr. Pedulla competed in the -52kg division of women's judo in the 1996 Centennial Olympic Games and now enjoys spending time with her family while running, hiking, skiing, floating, and hunting in the fantastic Montana outdoors.



Rayelynn Brandl

Clark Fork Watershed Education Program (CFWEP)

Rayelynn is the Director of the Clark Fork Watershed Education Program. She serves as the BRIC program director for Dr. Pedulla's NIH SEPA award. Rayelynn and her grant partners have held several Math Science Partnership grants since 2008.

Rayelynn blends her science background and science pedagogy skills to help deliver excellent professional development for teachers throughout Montana.

She was recognized by the Montana Science Teachers Association for exemplary service to science education in 2018. She was given the Award of Excellence in Education by MSU Billings in 2016. Most recently, Rayelynn has been named by the National Science Teachers Association as the Distinguished Informal Science Educator for 2019.

BRIC Team



Chris Doyle

Clark Fork Watershed Education Program (CFWEP)

Born and raised in beautiful Butte Montana, I have always had a deep love for the outdoors and was constantly learning all I could about science. After graduating Montana Tech with a degree in Organismal Biology, I started a full time job working with CFWEP. I have been involved with CFWEP for over ten years and first was introduced to them while I was a sophomore student at Butte High School. CFWEP was an instrumental part of a project lead by Montana Fish Wildlife and Parks tracking bighorn sheep movement and distribution patterns in the Highland Mountains of Southwest Montana. I worked on this project for 7 years and it was my senior thesis work for my degree from Montana Tech. From this project, my relationship with CFWEP began and I have been continually inspired every day since. I am now a Program Coordinator for CFWEP and had the opportunity to help lead a NIH SEPA project called Bringing Research into the Classroom (BRIC). This project has upgraded my knowledge of microbiology and working in a lab as well as given me the opportunity to work with teachers and students from all across Montana. The work that we do at CFWEP has given me the opportunity to chase my passion in teaching and guiding young individuals and teachers in the world of science. I hope to continue this work many years into the future. Outside of CFWEP, I am on the Board for the Montana Environmental Education Association (MEEA), a Committee member of the Southwest Montana Rocky Mountain Elk Foundation, and a youth director for the Butte Bowling Association. I love being a part of our community and I feel it is an important part of building our future for the better.

About BRIC

The Bringing Research Into the Classroom (BRIC) project based at Montana Tech in Butte, MT has been providing research experiences for Montana teachers and students since 2012. To date, BRIC has provided phage discovery to more than 7,000 students including some of Montana's most remote communities. The BRIC project offers two years of intensive professional development for the 28 participating teachers and four years of 3-day in-class visits for their students. BRIC teachers engage in authentic research experiences and prepare manuscripts summarizing their findings. Teachers' personal research experiences inform their mentoring of K-12 student research projects.

Phages are viruses that infect bacteria and can be useful tools for fighting antibiotic-resistant bacteria. They are the most numerous biological entity on the planet. BRIC works directly with students in middle schools and high schools for 3-day phage discovery projects. Students and their teachers isolate phages from samples they collect from their local environment. If the students discover a phage, they choose a name the phage, and it is added to the database of phages at phagesdb.org. This three-day research experience engages students in relevant biomedical citizen science. From Dr. Pedulla's outreach programs, combined, students have discovered over 100 new-to-science phages. All phages discovered in BRIC are included in the phagesdb.org database, ten have been sequenced and annotated, and 8 additional phage genomes are currently being sequenced.



PHAGES Program

Our project team has proposed a new grant to NIH to continue the work of the BRIC program for another 5 years. The new project, PHAGES: Phagedigging Helping Acquire Genuine Experiences in Science provides training and mentoring to teacher leaders experienced with phage discovery in their classrooms. Teacher leaders from the original BRIC project will become trained mentors for the PHAGES project. They will assist additional teachers within their districts and surrounding areas to learn the skills to independently prepare and deliver phagedigging for their own classrooms. By mentoring colleagues to expand phagedigging to other classrooms, the PHAGES teacher leaders will ensure that thousands of students throughout Montana can collect and test local soil and water samples in order to discover new bacteriophages.

As part of the annual summer academy, teachers will engage in a citizen science project alongside scientists from the Washoe Fish Hatchery and Montana Tech. Teachers will be pursuing research to understand cold-water bacteria that can collapse hatchery broods. Ultimately, teachers and their students will seek phages that could possibly kill cold-water bacteria.



Monday, April 8 Agenda

- **3:00pm** Check in (Conference Foyer)
- 5:00pm Welcome Reception (Grizzly Room)
- 6:00pm

Dr. Beverly Hartline, STEM and the Workfoce (Grizzly Room)



Beverly Karplus Hartline, Ph.D. has been Vice Chancellor for Research and Graduate Studies at Montana Tech since 2012. Previously she served as a dean of science, math, and technology; interim dean of engineering; graduate dean; and/ or in research administration at three universities: University of the District of Columbia (Washington, DC), Delaware State University (Dover, DE), and Heritage University (Toppenish, WA).

She entered higher education via an unusual career path, which included several years of research, project management, and education/outreach at Department of Energy National Laboratories, such as Los Alamos, Jefferson Lab, Lawrence

Berkeley Lab, and Argonne, and 2 years in science policy at the White House Office of Science & Technology Policy.

Strongly committed to fostering research, education, and international collaboration, Hartline is also recognized for efforts to broaden participation in science and engineering in the USA and internationally to include more women and underrepresented minorities. She conceived and launched the "Becoming Enthusiastic About Math and Science" (BEAMS) program at Jefferson Lab, which brought entire classrooms of 5th and 6th graders with their teachers to the lab for school for a week. For 6 years she was a member of the National Science Foundation's Committee on Equal Opportunities in Science and Engineering (CEOSE), including one as chairperson, and on several other advisory committees to various federal agencies and higher education organizations, including the National Advisory Board for the Professional Science Master's (PSM) program.

She served on the International Union of Pure and Applied Physics' (IUPAP) Working Group on Women in Physics from 1999 to 2011, taking key organizing roles for the first four international conferences on women in physics, and editing the proceedings volumes for the first three conferences. She has been successful in enhancing the grant-seeking success of faculty, and in growing graduate school enrollment and completions.

She is a Fellow of the American Association for the Advancement of Science, the American Physical Society, and the Association for Women in Science. Her bachelor's degree is in chemistry and physics from Reed College in Portland, Oregon, and she earned her Ph.D. in geophysics from the University of Washington, Seattle. Bev and her husband, Fred, enjoy hiking, biking, backpacking, river-running, and cross-country skiing in Montana and elsewhere. They have lived in California, Delaware, Illinois, Maryland, Massachusetts, New Mexico, Virginia, and Washington and visited many other states and countries in North America, South America, the Caribbean, Europe, Africa, and Asia. Their two grown sons are both computer scientists.

7:00pm

Adjourn to Pool

Tuesday, April 9 Agenda

8:00am	Breakfast (Cutthroat Room)
9:00am	Introductions and Remarks by Dr. Steve Gammon (Cutthroat Room)
9:20am	Sarah Urban Presentation (Grizzly Room)
9:45am	Kim Walter Presentation (Grizzly Room)
10:10am	Steve McCauley Presentation (Grizzly Room)
10:35am	Linda Rost Presentation (Grizzly Room)
11:00am	Break
11:15am	Megan Lane & Amber Walter Presentation (Grizzly Room)
11: 40 am	Kathy Aune Presentation (Grizzly Room)
12:05pm	Video Best Kept Secret in the US—Joe McClafferty (Grizzly Room)
12:20pm	Lunch (Cutthroat Room)
1:10pm	Mike Plautz Presentation (Grizzly Room)
1:35pm	Claire Pichette Presentation (Grizzly Room)
2:00pm	Shirley Greene Presentation (Grizzly Room)
2:25pm	Break
2:35pm	Renee Rose Presentation (Grizzly Room)
3:00pm	Colleene Fogarty Presentation (Grizzly Room)
3:50pm	Ignite Talks (Cutthroat Room)
	 Kate Mattern Alysia Cox Hannah Sparks Amy Verlanic

6:00pm

Dinner and Awards-NSTA Video (Cutthroat Room)

Tuesday, April 9 Presentations

9:00am Opening Remarks and Introductions, Dr. Steve Gammon (Cutthroat Room)



Dr. Gammon has more than thirty-years teaching, academic administration, and research experience. Most recently, he served as Provost at the University of Maine at Fort Kent, where he served as the Chief Academic Officer and as the Executive Vice President for Collaboration and Strategic Alliances. Dr. Gammon holds a Ph.D. in Chemistry from the University of Illinois at Urbana-Champaign and also holds a B.A. in Chemistry from Bowdoin College.

9:20am Sarah Urban

(Grizzly Room)

How Examining the Competition of HSavage and BigPaolini Impacted My Classroom



Sarah Urban is in her 17th year of teaching and is currently a biology teacher (Honors 1 and AP Biology) at Capital High School in Helena, MT. She is involved with two NIH SEPA Grant projects including Montana Tech's Bringing Research Into the Classroom and the REACH Program through The University of Montana. Sarah thinks teaching science is awesome, but empowering students to learn, grow, tackle challenges they never imagined, and be the best version of themselves are the best aspect of the job. In her spare time, Sarah loves running (really long distances) and spending time outside with

9:45am Kim Walter (Grizzly Room)

Development of a Plaque Assay System for Streptococcus salivarius on BHI Agar



I grew up in Miles City, Montana and earned a B.S. in microbiology from Montana State University-Bozeman. Following graduation, I completed an internship for medical technology at Sacred Heart Medical Center in Spokane, WA and worked for several medical laboratories before returning to school to earn a M.Ed. from the University of Montana in Missoula. For the last 13 years, I have been a secondary science teacher. I have taught in both traditional and alternative high school settings in Washington state and Montana. I currently teach Biology 1 and Biology 2 classes at Billings West High School.

10:10am Steve McCauley

(Grizzly Room)

Assessing the Effects of Mining Pollution on Macro-invertebrates



Steve McCauley is a science teacher at Jefferson High School in Boulder, Montana. His 23 year teaching career began in Wolf Point, Montana, but the last 22 years have been at his alma mater Jefferson High School. He received his B.S. in Biology from Western Montana College in 1993 and a Master's in Science Education from Montana State University in 2006. Currently, he teaches all life science courses at Jefferson High, coaches the Science Olympiad team, and advises the National Honor Society club.

10:35am Linda Rost

(Grizzly Room)

Turning the Phage: A Teacher's Unexpected Journey with Authentic Graduate Research



Linda Rost taught Science grades 8-12 at Carter County High School in Ekalaka, MT from 2007-21014, where she facilitated a successful Science Research program, with thirteen students competing and many placing at national and international science competitions. One student was awarded 1st place at the National Junior Science and Humanities Symposium, and 3rd place at the Intel International Science and Engineering Fair. Rost obtained her M.Ed. in Curriculum and Instruction in 2010, and in 2014 was hired to teach Biology and Chemistry at Baker High School in Baker, MT, where she

started a Science Research program. Her Baker students have qualified for eight national and international competitions. Rost is a teacher trainer for the Montana Partnerships with Regions for Excellence in STEM (MPRES) and Northwest Earth and Space Sciences Pipeline (NESSP) grants. She completed an M.S. in Science Education in 2018. She was awarded the 2019 Montana Teacher of the Year Finalist award. She will be pursuing a PhD in Curriculum and Instruction - STEM track from Texas Tech in Lubbock, in fall 2019.

Tuesday, April 9 Presentations Continued

11:15am Megan Lane & Amber Walter (Grizzly Room)

Characterization of a Bacterium Isolated from Hailstone in Butte, MT



Megan Lane graduated from Montana State University in 2003 with degrees in Secondary Science Education and Biology. After briefly teaching at the high school level, she got a job teaching biology, chemistry, and physics at CR Anderson Middle School. It was there that she discovered her deep passion for working with young adolescent students, and she happily continues to teach biology there to this day. Megan started CRA's Science Olympiad team in 2007 and she loves coaching such a diverse line-up of events every year. She's been super proud of her students for earning many Top Five finishes over the years and two State Championship

titles. Professionally, she has especially enjoyed her Research Fellowship through the American Physiological Society, and she feels extremely lucky to have worked with Dr. Marisa Pedulla over the past fourteen years, including the recent NIH SEPA grant "Bringing Research into the Classroom." Megan lives in Helena, MT with her husband and three children, where she also owns and operates Megan Lane Photography. In her spare time, she loves reading, camping, and hunting.



My name is Amber Walter. I grew up in Kalispell, Montana and attended Flathead High School. Upon graduation I attended the University of Utah and received a BS in Biology. Unsure of what to do next I headed to New Zealand where I lived and worked for one year. When I returned home I decided to pursue a career in secondary education and attended the University of Montana Western where I earned a B.S. in Secondary Education-Science Broadfield. My first teaching job was middle school science in Salt Lake City, Utah. I was then lucky to get a position teaching Human Anatomy/Physiology and Healthcare Careers

at Butte High School, where I have been teaching for the past 6 years. I am also the HOSA: Future Healthcare Professionals advisor for Butte HS and was named Outstanding HOSA Advisor in 2018. Outside of school I enjoy travelling by bicycle with my husband. This last summer we rode across the United States (from Maine to Washington) and we are planning to ride across Europe next summer.

11:40am Kathy Aune

(Grizzly Room)

Using Environmental DNA to Characterize Trout Hybridization in Two Tributaries of the Clark Fork River



Kathy has been teaching high school science for 16 years. She currently teaches biology at Sentinel High School in Missoula. She has three kids, Carter is 10, Camden is 8 and Caitlin is 6. Her husband is also a teacher. She enjoys running, rafting, snowboarding and all things outdoors.

12:05pm Joe McCflafferty

(Cutthroat Room)



Video: Best Kept Secret in the United States

Joe McClafferty is President of the Montana Tech Foundation and Vice Chancellor for Advancement and University Relations. McClafferty has served in leadership positions at Montana Tech since 2006. Prior to his current position McClafferty served as Athletic Director driving athletics to new heights of success.

Under his current role, he is advancing and transforming the departments of Advancement, Career Services, Alumni Engagement and Public Relations & Marketing on the campus and the Montana Tech Foundation.

He spent 20 years in the financial services industry. While at the helm of Montana Tech's athletic department, he transformed the facilities and brought in unprecedented facility and scholarship support. Since serving in the vice chancellor role, Joe has increased never before seen levels of engagement and support in areas of advancement and university relations.

McClafferty was born and raised in Butte. He and his wife Therese are both graduates of Montana Tech's Business program. They have three grown children. Brianne, is a Business & Information Technology graduate who is currently an attorney in Billings. Micaul graduated from Montana Tech's biology program and is currently a physician's assistant. Gabe is a current student at Montana Tech. Joe is proud to be from Butte and to make a difference every day for the youth of our

1:10pm Mike Plautz

(Grizzly Room)

Microbial Diversity in Wastewater Effluent Irrigated Hybrid Poplar Plantation Soil



Mike Plautz grew up in central Indiana and, after graduating from Purdue University, started teaching middle school science in 1989 in the same classroom where he had 7th grade science. The last twenty years of teaching have been at Hellgate Middle School in Missoula, Montana where Mike has also coached flag football and wrestling. He earned a masters of Science Education degree at Montana State in 2009 and has co-authored two articles for National Science Teacher Association journals. He is the father of two lovely daughters and lives with his beloved companion Sandy,

also a teacher, and her two sons in Missoula.

Tuesday, April 9 Presentations Continued

1:35pm Claire Pichette

(Grizzly Room)

Biodiversity of Soil Microorganisms Near Native and Non-Native Plants



Claire Pichette has been a science teacher at Helena High School since 2007. She graduated from Helena High (Go Bengals!) in 2000, then completed a B.A., cum laude, in biological sciences from Willamette University. After a short career as a "professional birdwatcher" and part-time dishwasher, Claire went back to school and earned a B.S. in biological sciences, a B.S. in secondary education and eventually a Master of Science in Science Education (MSSE) from Montana State University. She is certified to teach biology, broadfield science and health professions (therapeutics) for grades

5-12. Currently, Claire is enjoying teaching Project Lead the Way biomedical sciences (year 1—Principles of Biomedical Sciences) and Biology I to 9th and 10th grade students.

As a coach for Helena High's Science Olympiad and Envirothon teams, Claire has learned a lot about fundraising, traveling with students, and assisting in engineering and research projects for teenagers over the past decade. Her favorite activities involve getting outdoors and doing field research. She loves helping students better understand the complexity of Montana's ecological systems and the benefits of sustainably managed natural resources.

Over the past two years, Claire and her students participated in the BRIC program through Montana Tech, which involved hunting for and isolating bacteriophages in natural soil and water samples. This opportunity provided students with reallife, hands-on scientific research experience and exposure to graduate-level laboratory science in the classroom.

2:00pm Shirley Greene

(Grizzly Room)

Oil, Bacteria and the Yellowstone River



Shirley Greene teaches 7th grade Life Science in Billings, Montana. This is her 38th year of teaching, and 29th year of working with middle school students. She graduated from Western Washington University in Bellingham, Washington with her BA in Education, and received her Master's of Science degree in Natural Science from the University of Wyoming in Laramie, Wyoming. Shirley has a husband, Steve, who also teaches middle school science, and twin sons who are both Engineers. Shirley volunteers as a NASA Solar System Ambassador, and has done workshops for

teachers all over the nation. She is also a NASA New Horizons Educator Fellow, and has been with the mission and its scientists since 2004. In her spare time, Shirley likes to read, camp, and hike.

2:35pm Renee Rose (Grizzly Room)

SalishRose Phage Adoption



I teach physical science, biology and advanced biology at Libby Middle High School. We have three children, 4 chickens, a dog and a cat. Our two boys are 25 and 21 and our daughter Shannon will be graduating from high school next year. My husband Jon works in the IT department at Cabinet Peaks hospital and plays disc golf as often as possible.

2:00pm Colleene Fogarty

(Grizzly Room)

Montana Tech and BRIC Helped Me Change My Students' Lives



My name is Colleene Fogarty and I was born and raised in Butte, Montana. I went to Butte High School and Montana Tech for my early education and played basketball for both. I eventually went to Western Montana College to pursue a degree in secondary education in science. My real education occurred at my first teaching job at Butte Central. I taught Physical Science, Chemistry and Physics the four years I was employed there and found my true passion...teaching science. After my four years at Butte Central, a science position opened at Butte High School and I have been

teaching in my current position as a chemistry teacher for the past 21 years. During those years, I completed my Masters in Technology in Education at Lesley College. I have been married for 24 years to my awesome husband Bill and have 3 amazing kids, Joe, Erin and Maggie. We work a ranch in Melrose, Montana and hope to retire there with my family, cows and pets

Tuesday, April 9 Ignite Presentations (Grizzly Room)



Kate Mattern

Kate Mattern has been a science teacher for 19 years. Her career started in the small town of Circle, Montana, and has brought her through Nevada and finally back home to Montana. She has taught all ages various scientific topics, including family and kid camps at the Montana Learning Center at Canyon Ferry Lake, and kids college at Montana Tech. She is passionate about teaching students the importance of science literacy, the applications and relevance to science in our everyday lives, and the need for skilled researchers, healthcare professionals, and STEM professionals.

Kate has been awarded the M.J. Murdock Partners in Science grant, the NABT Biology Teacher of the Year award, and written many grants for her classroom and school that have improved hands on science as well as scientific literacy. She has taught for several years at MLC and loves the opportunity to inspire students with STEAM in a beautiful Montana setting. As the current vice president of the board, she supports MLC as a place for students who are curious, motivated, and interested in science and engineering, as well as a place for teachers to learn about their own fields.

The Anaconda chapter of HOSA-Future Healthcare Professionals was founded by Kate and is currently in its seventh year. Kate has been part of the BRIC team, applies the CFWEP, CAAHP, and REACH curriculum in research projects, and formed partnerships with FVCC to secure biotechnology labs for both Anaconda and MLC.

A proud Butte native and current resident, she loves to be outdoors, especially hiking and kayaking with her family. She also enjoys reading, cooking and crafting. Growing up she was inspired by strong women in science, competed in science fairs, attended girls STEM academies, and took as many science courses as she could, a tradition she's now passing on to her own girls.



Dr. Alysia Cox

Dr. Alysia Cox is an Assistant Professor of Environmental Chemistry at Montana Tech. She grew up in Michigan and moved to Arizona State University (ASU) on a National Merit Scholarship where she received her B.S. summa cum laude in the Geological Sciences with minors in Biology and German from the Barrett Honors College. She earned her PhD in Chemical Oceanography at the Massachusetts Institute of Technology and the Woods Hole Oceanographic Institution. After postdoctoral work at ASU and the Swiss Federal Institute of Technology (ETH Zurich), Dr. Cox started the Laboratory Exploring Geobiochemical Engineering and Natural Dynamics (LEGEND) at Tech. Her research combines geochemistry with biochemistry to determine active mechanisms of chemical reactions with wide application to the environment. Dr. Cox recently dove to hydrothermal vents on the seafloor in the Deep Submergence Vehicle Alvin at the East Pacific Rise.



Hannah Sparks

Hannah Sparks graduated from Montana Tech in December of 2018 with a bachelor's degree in Biological Sciences. While pursuing an undergraduate degree, Hannah performed bacteriophage research for Dr. Pedulla at Montana Tech and played collegiate basketball for the Orediggers. Hannah worked for the BRIC project as an undergraduate, preparing supplies and reagents, assisting with classroom visits, and supervising summer research projects for former BRIC students. The experience that Hannah Sparks gained from working with bacteriophages inspired her pursuit of an Interdisciplinary Master's degree. Hannah's thesis research involves a staphylococcal bacteriophage that has the ability to infect and kill methicillin-resistant bacteria.



Amy Verlanic

Amy L. Verlanic's full time career is as the Executive Director of the Institute for Educational Opportunities at Montana Tech where she works to provide teachers and students with college-based programs that enrich statewide science, engineering, and technology education. The Institute includes four TRIO programs and eleven other initiatives. Her educational grant-writing skills have garnered over \$60 Million in public and private funding. She was instrumental in the creation of CFWEP, writing their first NRD proposal and hiring its first set of staff members. Amy is also the sole proprietor of ALV Consulting. Amy has held elected office at the local, state, regional and national level. She was the Board Chair for the Council for Opportunity in Education in 2013. Ms. Verlanic served seven years on the Anaconda School Board, is the Governor's Appointee on the Montana Board of Personnel Appeals and was most recently made a legislative appointee to the Office of Public Instruction's K-12 Data Task Force. The things she is most proud of are her four beautiful daughters and being acknowledged by ASPIRE as the 2012 Art Quinn Lifetime Achievement Award recipient.

Wednesday, April 10 Agenda

9:00am	Breakfast
10:00am	Swag & Thank You's
11:00am	Travel Forms and Paperwork

Notes

2019 BRIC Symposium Thank you for supporting the BRIC program!





MontanaTech

