



Hiram College and Entrepreneurial Engagement Ohio invite the students and teachers of Northeast Ohio to participate in a

STEM Commercialization, Entrepreneurship & Innovation Forum at Hiram College

Kennedy Center, 11730 Garfield Road, Hiram, Ohio 44234

RESCHEDULED: Friday, March 16, 2018, 9:30am – 1:00pm

Attending students will participate in an extraordinary program that will open their eyes to the future, inspire them to ‘think outside the box’, and provide an opportunity to interact with Hiram College faculty members and alumni who are STEM researchers and innovators, who will discuss how their ideas and visions are shaping the future:

- **Dr. Brad Goodner, Professor and Director of the Center for Scientific Engagement at Hiram College** will speak about *“The Power of Microbial Genomics”*
- **Anthony Clemente ‘13, Research Scientist at Genisphere, LLC**, will speak about *“Fighting Cancer with DNA Nanocarriers”*
- **Chris Shalaty ‘12, Lab Technician at Ganeden Probiotics** will speak about *“What Kind of Job Can I Get with an Undergrad in Bio?”*
- **Dr. Acacia Parks, Chief Scientist, Happify, Inc.** will speak about *“Bringing the Science of Happiness to the Real World”*

At this Forum, students will hear the speakers discuss how their innovations will help create the future. After listening and interacting with the speakers, students, assisted by college student mentors, will be tasked to work in teams to develop a new product, service or problem-solving innovation idea that they will later pitch “Shark Tank style” to their peers.

The Forum will begin at 9:30am and end at 1:00pm, with students attending as part of a teacher or parent chaperoned group. Northeast Ohio high school and middle school students (grades 7 -12) are invited to attend. As capacity is limited, registrations will be accepted as space is available. Transportation subsidies of \$100 are available on a first-come first-served basis to schools that bring 15 or more students.

Northeast Ohio Innovates is a regional adaption of the Believe in Ohio program, which was a statewide STEM and entrepreneurship program for high school and middle school students. To find out more about the NEW Innovates program, visit www.EEOhio.org or email info@EEOhio.org.

Sincerely,

John Klipfell

John. M. Klipfell, Executive Director
Entrepreneurial Engagement Ohio

Kay Molkentin

Kay F. Molkentin, Director, Center for Entrepreneurship
Hiram College



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Timetable of Student Activities

Time	Location	Program
9:00am	Kennedy Center 2 nd Floor Landing	Check-in
9:30am	Kennedy Center Dix Room	Program begins – Introduction and Opening Session <ul style="list-style-type: none"> • Opening Video – “Are you ready for the future? Do you believe in Ohio?” (6 min) • Introduction – Why students are here, review agenda – Mr. John Klipfell (6-7 min) • Hiram College Welcome (10-12 min)
9:55am	Kennedy Center Dix Room	Professor Brad Goodner , Biology, will speak about “The Power of Microbial Genomics” <ul style="list-style-type: none"> • Speaker presentation (15 min) Q&A (5 min)
10:15am	Kennedy Center Dix Room	Anthony Clemente ‘13 , Research Scientist, Genisphere, LLC, will speak about “Fighting Cancer with DNA Nanocarriers” <ul style="list-style-type: none"> • Speaker presentation (15 min) Q&A (5 min)
10:35am		Short Break
10:40am	Kennedy Center Dix Room	Chris Shalaty ‘12, Lab Technician, Ganeden Probiotics , will speak about "What Kind of Job Can I Get with an Undergrad in Bio?" <ul style="list-style-type: none"> • Speaker presentation (15 min) Q&A (5 min)
11:00am	Kennedy Center Dix Room	Dr. Acacia Parks , Chief Scientist, Happify Inc., – "Bringing the science of happiness to the real world" <ul style="list-style-type: none"> • Speaker presentation (15 min) Q&A (5 min)
11:20am	Kennedy Center Dix Room	Working Lunch & Brainstorming Session <ul style="list-style-type: none"> • Social lunch & break (20 min) • Hiram student mentors lead high school students in brainstorm sessions to develop new products, services or problem solutions or opportunities using the Believe in Ohio Roadmap* (25 min)
11:55am	Kennedy Center Dix Room	Student groups present their ideas to their peers using their Roadmap (1 minute each)
12:45pm	Kennedy Center Dix Room	Brief closing program – Program ends at 1:00pm
1:00pm		Departure
1:15pm	Kennedy Center	Optional Campus Tour – Tour should end at approximately 2:15pm.

Funding for this event has been provided by the Burton D. Morgan Foundation

Interested in Learning More About Hiram College? Attend an Overnight! High school seniors interested in learning more about Hiram College are invited to join us beginning at 5:30 p.m. on Thursday, March 15th for an overnight experience on campus. Overnight participants will have the opportunity to meet and interact with Hiram students, and participate in college activities.

Visit <http://www.hiram.edu/stem-entrepreneurship-forum> to RSVP. Spaces for the overnight are limited, please respond as soon as possible. Have questions, contact Catherine Gellatly, Health Professions Counselor 330-569-5973 or email gellatlycg@hiram.edu .

Hiram College STEM Forum Speaker Bios



Dr. Brad Goodner

Brad Goodner, Ph.D., "The Power of Microbial Genomics"

Brad Goodner is currently Professor of Biology as well as director of the Center for Scientific Engagement at Hiram College. He holds the Edward J. Smerek Endowed Chair in Mathematics, the Sciences, & Technology. Goodner earned his B.S. in biochemistry from Texas A&M University and his Ph.D. in biology from Purdue University. He completed a postdoctoral fellowship at the University of North Carolina and was an assistant professor at the University of Richmond before joining the Hiram College faculty in 2001. At Hiram, Goodner has taught introductory biology, molecular and cellular biology, genetics, microbiology, medical microbiology, bioinformatics, and plant physiology. He routinely incorporates research from several collaborative genome sequencing efforts into courses and independent projects at Hiram College and into outreach research projects with area high schools. He is the founder of the Hiram Genomics Store, a Web-based entrepreneurial venture aimed at providing reagents for research projects in high school and college classrooms.



Anthony Clemente

Anthony Clemente '13, Genisphere, LLC, "Fighting Cancer with DNA Nanocarriers"

Anthony Clemente is research scientist with Genisphere, LLC, a small biotech company in Hatfield, PA. He joined the Research and Development team there shortly after graduating from Hiram College in 2013 with a degree in Biology. At Hiram, he studied Beech tree reproduction at the James H. Barrow field station for his senior research presentation. Since then he has worked on numerous applications involving Genisphere's DNA nanoparticle (3DNA platform). Most recently his efforts have involved the conjugation of drug molecules and antibodies to DNA to allow for attachment to the 3DNA scaffold. His work has helped in partnerships with companies such as Medimmune and academic institutions like the University of Pennsylvania.



Chris Shalaty

Chris Shalaty Hiram '12, "What Kind of Job Can I Get with an Undergrad in Bio?"

Chris, currently a lab technician with Ganeden Probiotics, graduated from Hiram in 2012 with a B.A. in biology. As a non-traditional college student, Chris spent years working in restaurants and as a retail store manager before deciding to pursue his college education. He worked full-time while attending Lakeland Community College accruing credits that he transferred to Hiram College. Always fascinated by the scientific method and what our species has been able to learn about the natural world through its use, Chris has a broad interest in biology, including: genetics, microbiome-host interaction, origin of the cell, animal behavior, plant-insect relationships, and evolution. Outside of science his hobbies include hiking, reading, and fitness.



Dr. Acacia Parks

Dr. Acacia Parks, Chief Scientist, Happify Inc., "Bringing the Science of Happiness to the Real World"

Dr. Acacia Parks received her B.A. in psychology from Reed College and her Ph.D. in psychology from the University of Pennsylvania. She joined Hiram College in 2011, where she taught research methods, descriptive and experimental methods, abnormal psychology, positive psychology, health psychology, and critical writing. At the same time she also served as Scientific Advisor to Happify, Inc., providing guidance on the science of improving well-being to inform the structure and content of a new online well-being platform. Today she serves as Happify's Chief Scientist, overseeing a program of research evaluating the effectiveness of Happify in a variety of populations and making recommendations to the company based on results.