

Program Snapshot

Friday, October 31

12:30-1:15: Registration

1:30-2:30: Keynote Speaker: Christina Badger,
Adventures in STEM: Starting Your Journey

2:45-3:45: Concurrent Sessions A

4:00-5:00: Concurrent Sessions B

5:00-5:45 pm: Poster Session

5:45-6:30 pm: Appetizers for all participants (Room 165),
Informal Social for Faculty/Staff (Rooms 162 &163)
Student Activities (Rooms 158 & 160)

Saturday, November 1

8:00- 9:00 A.M.: Continental breakfast and check in

9:00-12:30: Poster Session

9:00 -10:00: Concurrent Sessions A

10:15-11:15: Concurrent Sessions B

11:30-12:30: HHMI Presentation

Join HHMI's BioInteractive for lunch and watch the 15-minute film "Evolving Switches, Evolving Bodies" about the three-spined stickleback fish. Hear the story of the dramatic transformation of the stickleback as they adapted to living in freshwater habitats. All attendees will receive a free copy of the film.

12:30-1:45: Lunch and Awards;

Keynote Speaker: James Hewlett,

Undergraduate Research at The Community College: Obstacles And Opportunities.

2:00-3:00: Concurrent Sessions C

MARYLAND COLLEGIATE



2014 Maryland Collegiate STEM Conference

Program

Friday, October 31 2014

Saturday, November 1, 2014



Welcome

Shortly after last October's STEMTech conference in Atlanta Georgia, Professor Raza Khan and I conversed to initiate a new statewide STEM conference for Maryland community colleges. Both of us strongly believed that there was an immense need for such an event to provide unique opportunities to community college students. This event would allow for students to present their research work to STEM professionals including those from higher education and relevant communities. The conference would also provide an opportunity for faculty to share research and teaching expertise with colleagues. After several discussions on the topic, we decided to approach a larger Maryland community's STEM faculty with the concept at the Association of Faculties for Advancement of Community College Teaching meeting in January, 2014. There we had a well-attended session and this innovative idea was widely accepted by the attendees who represented approximately 10 community colleges within Maryland. In response to the meeting, a steering committee was established. When an invitation to form a steering committee (one administrator and one faculty member representatives from each community college) was sent to all Maryland Community College Chief Academic Officers and Presidents, more than 12 colleges expressed an interest and agreed to participate. After the first meeting of this committee in February 2014, several sub-committees were formed in order to promote efficiency. Since that date every member worked diligently to ensure this conference could take place. During spring 2014, in support of Germantown Campus Provost Margaret Latimer and Rockville Campus Provost Dr. Judy Ackerman, Montgomery College volunteered to host the first conference at their Germantown campus. This event is to be a part of celebration of their new Bioscience Education building opening.

In the original concept of this conference, I personally believed that we would receive approximately 80-100 attendees, and this would be a great success. However now that the event is upon us, I stand corrected. We have almost 300 attendees signed up, and this number will hopefully grow with future conferences. We had an ambitious timeline to meet for this conference, and I had to leave Montgomery College in the past summer, yet Professors Raza Khan, Maria Burness, Dean John Hamman, and all the members of the advisory committee worked unrelentingly to ensure this conference could take place.

Congratulations and my sincere appreciation to all who have strived and succeeded in making this concept a reality!

Thank you.
Eun-Woo Chang, Ph.D.
Vice President for Academic Affairs
Mercer County Community College



The collage consists of five horizontal panels:

- Short Films:** A film strip featuring four frames: a network of birds, a chemical structure, a DNA helix, and a hand reaching for Earth.
- Virtual Labs:** Two screens showing a fish dissection, with a microscope and a grid background.
- Apps:** A globe with a timeline from 100 MYA to the present, showing atmospheric oxygen levels (O₂ 22.4%) and carbon dioxide levels (CO₂ 0.14%). It includes a compass and a day length indicator of 23.5 hours.
- Holiday Lectures on Science:** An illustration of a landscape with glowing celestial bodies and a sunburst effect.
- Posters & Classroom Resources:** A phylogenetic tree of life with various organisms labeled: Fungi, Sponges, Jellyfish, Molluscs, Insects, Starfish, Fish, Amphibians, Mammals (Cows, Dogs, Whales), Birds (Lemurs, Horses), and Great Apes (Gibbons, Gorillas).

Teach Ahead of the Textbook

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