


Fall 12-9-2010

10th Annual Senior Research Symposium of the Department of Biological Sciences, Chemistry and Biochemistry

Messiah College

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Recommended Citation

Messiah College, "10th Annual Senior Research Symposium of the Department of Biological Sciences, Chemistry and Biochemistry" (2010). *School of Science, Engineering & Health (SEH) Symposium*. 9. https://mosaic.messiah.edu/seh_symp/9

Sharpening Intellect | Deepening Christian Faith | Inspiring Action

Messiah University is a Christian university of the liberal and applied arts and sciences. Our mission is to educate men and women toward maturity of intellect, character and Christian faith in preparation for lives of service, leadership and reconciliation in church and society.

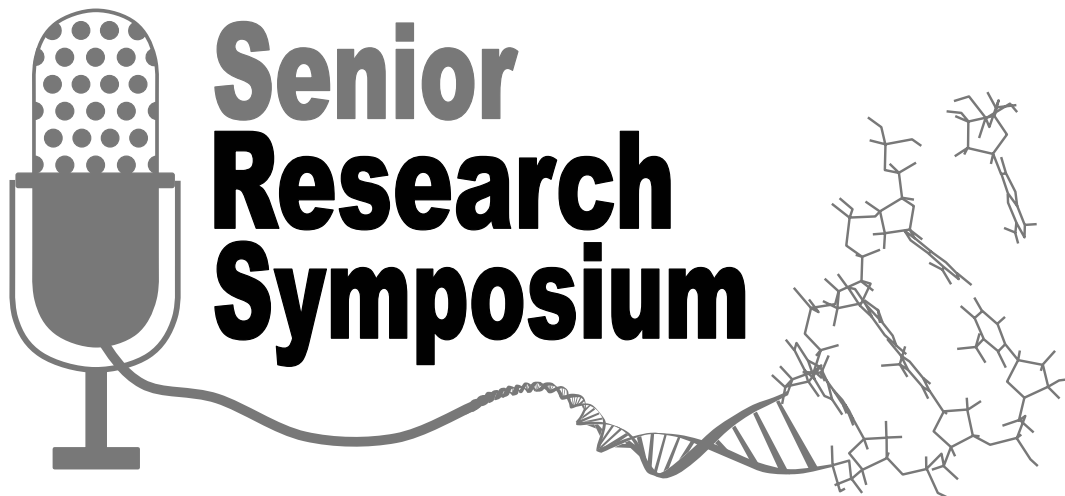


Tenth Annual

Department of Biological Sciences
Department of Chemistry and Biochemistry

Kline Hall of Science
Jordan Science Center

December 9, 2010
4:30 – 8:05 p.m.











Schedule of Presentations







Oral Presentations ~ Session 1




4:30 - 6:00

Kline 120:

4:30	Dr. Richard Schaeffer.....	Welcome and Announcements		
4:35	Molly Bletz	Toxicological Analysis of Cedar Run <i>Molly Bletz, Jeff Erikson*</i>		
4:55	Miranda Hulsey	Overall Water Quality Analysis of Cedar Run <i>Miranda Hulsey, Jeff Erikson*</i>		
5:15	Michele Schleich	Attempts to Isolate Class II sHsp 17.0 from Zea Maize for Future Studies in Chaperone Activity and Subunit Exchange <i>Michele Schleich, Hannah Tims*</i>		
5:35	Evan Peck	Extraction, Purification, and Analysis of Pigments in <i>Omphalotus illudens</i> <i>Evan Peck, Anne Reeve*</i>		

Hollinger Lounge:

4:30	Dr. Gary Emberger	Welcome and Announcements		
4:35	Anne Jones	Imaging Bacteria Using a Scanning Electron Microscope <i>Anne Jones, Lawrence M. Mylin*</i>		
4:55	Christina Awad	The Down-Regulation of endogenous cholecystokinin in human pancreatic cancer <i>Christina Awad, John F. Harms*</i>		
5:15	Songprod Lorgunpai.....	<i>New Restriction Analysis Exercise for Introductory Biology</i> <i>Songprod Lorgunpai, Lawrence M. Mylin*</i>		
5:35	David Kays	The Effects of Histidine on Nickle Toxicity and Uptake in <i>Arabidopsis thaliana</i> <i>David Kays, Michael Shin*</i>		






	A corresponding research poster is available. The author will be present for questions during Poster Session 1.		A corresponding research poster is available. The author will be present for questions during Poster Session 2.
	For students receiving credit for attendance at the symposium, accompanying multiple choice questions are available for this presentation/poster.	*	Research mentor
		†	Off-campus author

Poster Session 1 & Dinner Break **6:00 - 6:40**






All posters will be on display in the Hollinger Atrium and lobby throughout the symposium. Speakers from Session 1 of the Oral Presentations will attend their posters from 6:05 – 6:40. Guests are encouraged to talk further with the speakers about their work.

Oral Presentations ~ Session 2 **6:40 - 7:40**

Kline 120:

- | | | | |
|------|--------------------|---|---|
| 6:40 | Kyle McGrath | Research and Synthesis of Solid Solutions: A look at the Cu/Zn hydroxy carbonate family
<i>Kyle McGrath, Richard W. Schaeffer*</i> |   |
| 7:00 | Megan Buhler..... | Synthesis of 4-hydroxy-6-phenylmethyl-2-pyrone, Precursor to Aspernigrin A
<i>Megan Buhler, Anne Reeve*</i> |   |
| 7:20 | Lauryn Clarke..... | Post Transcriptional Sugar Regulation of Atb2 gene in <i>Arabidopsis thaliana</i>
<i>Lauryn Clarke, Michael Shin*</i> |  |

Hollinger Lounge:

- | | | | |
|------|-----------------------|---|---|
| 6:40 | Donald McKnight | An Assessment of the Movements and Heath of the Eastern Box Turtle (<i>Terrapene carolina carolina</i>) Population at Messiah College, Pennsylvania
<i>Donald McKnight, David K. Foster*</i> |   |
| 7:00 | William Miller..... | A Comparative Study of Fire Ecology on a Washington Shortgrass Prairie Remnant
<i>William Miller, David K. Foster*</i> |   |
| 7:20 | Bill Swinsburg | The Independence of Nonnative Shrub Removal and Herbivory of Herbaceous Understory Plants
<i>William Swinsburg, David K. Foster*</i> |  |

Poster Session 2 **7:40 - 8:05**

All posters will be on display in the Hollinger Atrium and lobby throughout the symposium. Speakers from Session 2 of the Oral Presentations will attend their posters from 7:45 – 8:05. Guests are encouraged to talk further with the speakers about their work.

Messiah College Faculty Research Advisors:

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Richard W. Schaeffer, Ph.D., Department of Chemistry and Biochemistry
Michael Shin, Ph.D., Department of Biological Sciences
Hannah Tims, Ph.D., Department of Chemistry and Biochemistry

The summer research activities of multiple Messiah College students were supported by funding provided to the School of Science, Engineering, and Health by the following:

The Au Sable Institute for Environmental Studies
The Jackson Innovation Scholarship
Keystone Innovation Zone Seed Assistance Grant
Leroy and Eunice Steinbrecher Endowment for Undergraduate Research
Ray Crist Scholarship Fund

The Messiah College School of Science, Engineering, and Health gratefully acknowledges and thanks these generous donors and research mentors for their support of our science program. The School also extends thanks to all whose efforts made this Research Symposium a success.

