



American Chemical Society

Nebraska Section Newsletter

<http://www.nebraska.sites.acs.org/> (site under construction)

JAN / FEB 2012

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Haishi Cao
Univ. of Nebraska-Kearney

Jason Kautz
University of Nebraska-Lincoln

February Speaker: Dr. Mark A. Griep

Wednesday, February 22, 2012

Everything I Know about Chemistry, I Learned at the Movies

Venue: Hastings College Morrison-Reeves Science Center, Room 131

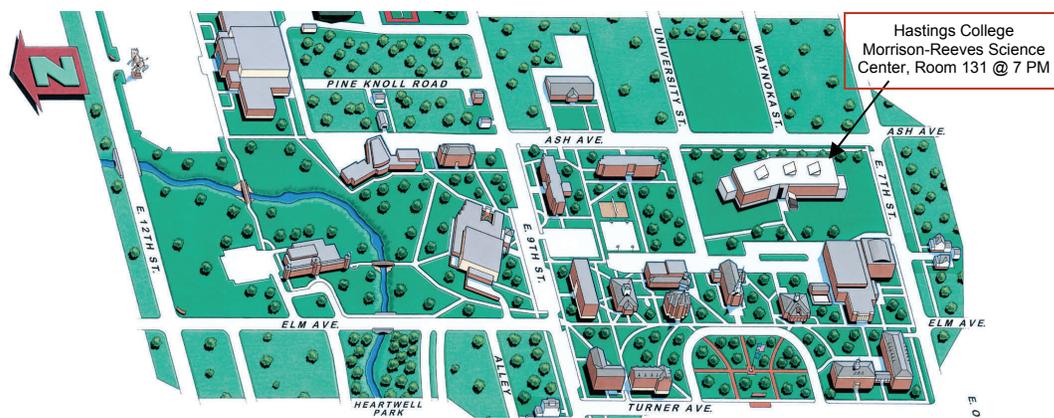
Time: 7:00 pm

Movies can be used to teach chemistry in and out of the classroom. Outside the classroom, I've developed many themed lectures in which a series of related movie clips are used to teach everyone from middle school students to high school chemistry teachers to senior citizens. For the past five years, I've also used movie clips in my liberal arts chemistry course to animate certain chemical topics. The clips grab student attention and give them a strong anchor upon which they can contextualize the rest of the lesson. In my lecture to the Nebraska Local Section, I will show and discuss the clips I use in my classroom.

Biographical Sketch: Dr. Mark Griep is Vice Chair and Associate Professor in the Chemistry Department at the University of Nebraska-Lincoln. His group is searching for the next generation of antibiotics that target primase and DnaB helicase, both of which are involved in bacterial DNA replication. He has devoted his teaching career to finding ways to engage people to want to learn more chemistry. In 2008, he was awarded the UNL Distinguished Teaching Award for revising the Chemistry Department's course for non-scientists. In 2009, he co-authored *ReAction! Chemistry in the Movies*. It was funded by the Alfred P. Sloan Foundation in the area of the public understanding of science and published by Oxford University Press. The book was favorably reviewed in *Nature Chemistry*, *Chemistry World*, *Entrepreneur*, *Chemical Heritage Magazine*, and on the *ScriptPhD* blog. In 2010 and 2011, he presented lectures about using movie clips to teach chemistry at the National Academy of Sciences and the American Chemical Society's national meeting.



For questions, contact: Prof. Moses K. Dogbevia [mdogbevia@hastings.edu] (402) 461-7466



(Campus Map, see <http://www.hastings.edu/igsbase/igstemplate.cfm/SRC=MD014/SRCN=index/GnavID=23>)

2012 Nebraska Section News

Dear Colleagues:

I first want to thank all those who voted in the belated 2012 ACS Nebraska Section Election and add my special thanks to those who agreed to run for office and to serve. The names of the 2012 Nebraska Section Officers are listed on the first page. It is my hope that the creative energy of this group will re-energize the Nebraska Section and refocus its mission to serve the interests of its members.

Among the goals for this year, the Section Officers would like to explore ways to recognize and assist the efforts of Section College and University Chemistry Student Affiliates, High School Chemistry Clubs and our High School Chemistry teachers. As many of you may already know Mr. Greg Cooper of Lincoln Southwest High School won the ACS Division of Chemical Education 2011 Midwest Region Award for Excellence in High School Teaching. Mr. Cooper was nominated by Mark Griep; surely other outstanding teachers deserve the recognition and support of the Section. Please share your ideas.

If it has been a while since you have attended a local section meeting, I encourage you to visit the new Hastings College Morrison-Reeves Science Center the evening of Feb 22nd to hear Nebraska Section Chair-Elect Mark Griep talk about how "Everything I Know about Chemistry, I Learned at the Movies."

James M. Takacs
2012 ACS Nebraska Section Chair
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Opportunities Await

- Be a Chemistry Ambassador – whatever your interest or ability! You can improve science education for youth in your community. Visit www.acs.org/chemistryambassadors for more great ideas to become involved.
- The Section will make available a limited number of travel awards to assist undergraduate chemistry majors and chemistry graduate students in attending a scientific meeting to present their research results. Submit your one-page application with (i) your name and contact information, (ii) a brief summary of the research you will present, (iii) a brief discussion of the nature of the meeting and why you should attend, and (iv) the availability of other travel funds and a proposed budget of \$350 or less by March 15, 2012 to NEACSCChair@gmail.com. Additional details will be posted on the Section website in the coming weeks.
- Celerion, an international contract research organization, is seeking to build a flexible workforce of individuals interested in using their laboratory skill set to do hands-on benchwork periodically in their Lincoln Bioanalytical Laboratory. Interested individuals with knowledge of HPLC or Ligand-Binding techniques should visit their website (www.celerion.com) and click on Bioanalytical Associate Analyst (Temp/Variable).