



ACUBE 50th Annual Meeting

Millikin University
Decatur, IL
October 26-28, 2006

*The Revolution and Evolution of Biology
Education: Where 50 Years Can Take Us*

Preliminary Program

Thursday, October 26th

12:30-2:30 PM	Pre-Conference Field Trip: Mari-Mann Herb Farm Led by Maribeth King, <i>Mari-Mann founder</i>	Meet at Registration Area 1st Floor Leighty-Tabor Science Building (LTSC) Meet at registration area for van. Those who drive on their own to the herb farm may continue to Rock Springs. LTSC 301
3:00-5:00 PM	Pre-Conference Field Trip: Rock Springs Conservation Area Led by Judy Parrish, <i>Millikin University</i>	
3:00 - 5:00 PM	Steering Committee Meeting	
6:00 - 8:00 PM	Registration and Reception <i>H'ors d'oerves</i>	Reg.: 1st floor LTSC
8:00 - 9:00 PM	Opening Session	Reception: LTSC 115
	Welcome to ACUBE: ACUBE President: Ethel Stanley, <i>Beloit College</i>	LTSC 001
	Welcome to Millikin University Jamie Comstock, VP of Academic Affairs, <i>Millikin University</i>	
	Greetings from the Conference Chairpersons Program Chair: Conrad Toepfer, <i>Brescia University</i> Local Arrangements Chairs: Harold Wilkinson, Neil Baird, <i>Millikin University</i>	
	OPENING PRESENTATION (Public Welcome to Attend) Marc Abrahams, Editor <i>Annals of Improbable Research</i> "Improbable Research and the Ig Nobel Awards"	
9:15 - 10:15 PM	Steering Committee Meeting	LTSC 301

Friday, October 27th

7:00 AM - 5:00 PM	Registration table (Register, pay dues, buy T shirts, etc.)	1 st Floor LTSC
7:15 - 8:20 AM	Hot Breakfast (Mentors and Mentees meeting or by Interest Group)	Richards Treat University Center (RTUC): Fireplace and Parquet Rooms
7:30 - 10:30 AM	Field Trip: Birding, Macon County Conservation District Led by David Horn, <i>Millikin University</i>	Meet at Registration Area 1 st Floor LTSC
9:00 AM - Noon and 2:00 - 5:00 PM	SUSTAINING MEMBER EXHIBITS	LTSC 224
8:30- 10:00 AM	CONCURRENT WORKSHOP SESSION I The <i>Bioscene</i> of Yesterday, Today, and Tomorrow; Stephen Daggett, <i>Avila University</i>	LTSC 208
	Video and Digital Cameras in the Modern Biology Classroom, Or How I Got Rid of My Stereoscope and Enabled My Students to Document Everything!; Dick Wilson, <i>Rockhurst University</i> (emeritus)	LTSC 115
	A Martian Invasion of Teachable Moments for Environmental Science; Abour H. Cherif ¹ , David Morabito ¹ , Robert Aron ¹ , Jerry Adams ² , and Jeremy Dunning ³ , ¹ <i>DeVry University</i> , ² <i>Columbia College</i> , ³ <i>Indiana University</i>	ADM 006
	Teaching the Process of Scientific Inquiry; Teresa Gonya ¹ , Paul Whitaker ² , and Richard Hein ³ , ¹ <i>University of Wisconsin-Fox Valley</i> , ² <i>University of Wisconsin-Marathon County</i> , ³ <i>University of Wisconsin-Mantowoc</i>	LTSC 209
10:00 - 10:30 AM	POSTER SESSION I Refreshments provided	Posters: LTSC 221
	A Semester-Long Learning Experience with Aquatic Ecosystems in General Biology; Chad Scholes, <i>Rockhurst University</i> **	Refreshments: Located between LTSC 224 and 221
	Developing a Genetic Interaction Map of Cytoplasmic Dynein in <i>Neurospora crassa</i>; Laura Salem ¹ , Sarah Lamb ¹ , Robert Schnittker ² , and Mike Plamann ² , ¹ <i>Rockhurst University</i> , ² <i>University of Missouri-Kansas City</i>	
	Biosafety Education: Drawing Language and Speeches; Marco Antonio Ferreira da Costa,	

Oswaldo Cruz Foundation

1 Librarian + Teaching Faculty = Successful Collaborations!; Andrea Dinkelman, *Iowa State University*

Snake Oil or Cure: An Investigation of How & Why It Works; Melanie Anastasio and Christine Bezotte, *Elmira College*

Teaching Without a Net: A Student-Driven Environmental Biology Course; Conrad Toepfer, *Brescia University*

Histodetective: Using Forensic Pathology to Teach Histology; Lynn Gillie and Mary Anne Perks, *Elmira College*

The Development and Use of Two-week Long Learning Cycle Blocks (LCBs) in a Freshman General Biology Course for Non-majors; John Rushkin, Dick Boutwell, Cary Chevalier, Melissa Daggett, Todd Eckdahl, and Sandie Seeger, *Missouri Western University*

Zebrafish Gene Expression Research in a Molecular Biology Course; Lisa Felzien, *Rockhurst University*

Using Case Studies Online and Face-to-Face to Facilitate Information Transfer in Human Biology for Social Work Majors; L.J. Swatzell, *Southeast Missouri State University*

“From Cob to Corporation” a seemingly simple genetics laboratory that requires complex problem solving.
Cynthia Horst, *Carroll College*

Enhancing Student Learning by Creating a Monitored Core Curriculum Coupled to Faculty Development
Cynthia Horst and Susan Lewis, *Carroll College*

New Approaches to First-Year Biology Labs: Moban Landings
Eric Thobaben, *Carroll College*

Virtual Poster Presentations
Eric Thobaben, *Carroll College*

10:30 - 11:15 AM **CONCURRENT PAPER SESSION I**

From Tourist to Ecotourist to Conservation Biologist: Planning Travel Courses to Teach Biology and Responsible Global Citizenship;

LTSC 208

Judy Damery Parrish, *Millikin University*

The Essential Physics of the Human Body: An Interactive Learning Module for Nursing and Health Science Students; Mahmoud Khalili¹, Jeremy Dunning², Dianne M. Jedlicka³, Abour H. Cherif³, Robert Aron³, Frank Burrows⁴,
¹*Northeastern Illinois University*, ²*Indiana University*, ³*DeVry University*, ⁴*Pearson Custom Publishing* **ADM 006**

Random Design: A New Paradigm for Creation; Richard Colling, *Olivet Nazarene University* **LTSC 115**

Toward a Culturally Inclusive Science Curriculum; Angela Bauer-Dantoin and Donna Ritch, *University of Wisconsin-Green Bay* **LTSC 209**

11:30 - 12:30 PM **Luncheon and First Business Meeting** **RTUC Fireplace and Parquet Rooms**

- *First and Final Call for Nominations!!*
- *Out of this World Teaching Idea contributions*

12:30 - 1:30 PM **Luncheon Program** **RTUC Fireplace and Parquet Rooms**

Celeste Carter, Foothills Community College

“Building a Biotechnology Program at Foothill Community College: Lessons Learned and Future Trends”

1:45 - 2:30 PM **CONCURRENT PAPER SESSION II**

The Dover Decision; Neil Baird, *Millikin University* **LTSC 209**

Report from the International Problem Based Learning Conference Lima, Peru; Margaret Waterman, *Southeast Missouri State University* **LTSC 115**

The First-Year Seminar—Setting Students Up for Success; Katherine O’Clair and Robert E. Page, *Arizona State University* **LTSC 208**

2:45 - 3:15 PM **POSTER SESSION II** **Posters: LTSC 221**

Refreshments provided **Refreshments: Between LTSC 224 and 221**

Posters from morning available for review:

3:00 - 5:00 PM **Field Trip 1: Wabash Railroad Depot Antique Mall and Merchant Street shops** **Meet at Registration Area**
Led by Karen Baird, *Richland Community*

College

Field Trip 2: Behind the scenes tour of Scovill Zoo

Led by David Webster, *Assistant Director*
Scovill Zoo

3:30 - 4:15 PM	CONCURRENT PAPER SESSION III	
	The History of NSF-funded Teacher Education; <i>Mary Czech, Lourdes College</i>	LTSC 115
	Skill-Specific Assessments in Introductory Cell Biology and Biochemistry Courses. <i>Melissa A. F. Daggett and Benjamin D. Caldwell, Missouri Western State University</i>	LTSC 208
	Easy-to-Use Physiology Lab Kits from iWorx/CB Sciences <i>Steve Andre, iWorx/CB Sciences</i> Note: This presentation will extend to 4:45.	LTSC 209
5:00 PM	ACUBE Committee Meetings Web Committee Meeting	LTSC 202
6:00 - 7:00 PM	Social Hour <i>Cash bar</i>	RTUC Fireplace and Parquet Rooms
7:00 - 9:00 PM	Dinner and Second Business Meeting (two-minute speeches prior to dinner; balloting after dinner, new officers announced at end of presentation) The 2006 Out of this World Teaching Idea Award	RTUC Fireplace and Parquet Rooms
8:00 – 9:00 PM	Dinner Program Malcolm Campbell, Davidson College <i>Director, Genome Consortium for Active Teaching</i> “Biology education 2056: balancing innovation with improvement.”	RTUC Fireplace and Parquet Rooms

Saturday, October 28th

7:30 - 8:45 AM	Continental Breakfast (by Interest Group)	RTUC Fireplace and Parquet Rooms
7:45 - 8:45 AM	Bioscene Editorial Board Meeting	RTUC Fireplace and Parquet Rooms

9:00 – 11:15 AM and 12:15 – 1:30 PM	SUSTAINING MEMBER EXHIBITS	LTSC 224
8:45 - 9:30 AM	CONCURRENT PAPER SESSION IV	
	Engaging Non-Science Undergraduate Students in a Practical Human Biology Course; Christine Bezotte, <i>Elmira College</i>	LTSC 115
	Integrating the Scholarship of Teaching and Research: A Study of Window-Bird Collisions at Millikin University in Decatur, Illinois; David J. Horn, <i>Millikin University</i>	LTSC 208
	A Scientific “Holistic” Approach to Nutrition and Health; Dianne M. Jedlicka ¹ , Abour H. Cherif ¹ , Sujata Verma ² , Robert Aron ¹ , and Frank Burrows ³ , ¹ <i>DeVry University</i> , ² <i>Ivy Tech State College</i> , ³ <i>Pearson Custom Publishing</i>	ADM 006
9:45 – 11:15 AM	CONCURRENT WORKSHOP SESSION II	
	Collaborative Case-Based Study of Genetic and Infectious Disease Via Free Molecular Biology Computer Simulations and Internet Conferencing; Mark Bergland and Karen Klyczek, <i>University of Wisconsin-River Falls</i>	ADM 006
	Wouldn't Less Be Better? A Round-table Discussion of Content in Secondary and Undergraduate General Biology Texts; Marya Czech, <i>Lourdes College</i>	LTSC 208
	Investigation Spaces: An Emerging Model for Online Research and Collaboration; Ethel Stanley ¹ , Margaret Waterman ² , and Stephen J. Everse ³ , ¹ <i>BioQUEST, Beloit College</i> , ² <i>Southeast Missouri State University</i> , ³ <i>University of Vermont</i>	ADM 005
	Art as Experience: Arts Integration into the Science Classroom; JoElla Eaglin Siuda, <i>Illinois Institute of Art @ Chicago</i>	LTSC 115

11:15 AM -
12:15 PM

Luncheon and Third Business Meeting

**RTUC Fireplace and
Parquet Rooms**

Resolutions:

Brenda Moore, *Truman State
University*

Executive Secretary Report:

Tom Davis, *Loras College*

Bioscene:

Steve Daggett, *Avila University*

Presidential Address:

Ethel Stanley, *Beloit College*

2007 Meeting (51st) at Loras College

Program Chair: Pres Martin, *Hamline
University*

Adjournment: Ethel Stanley,
President

12:30 – 1:30
PM

Steering Committee Meeting

LTSC 301

Includes newly elected members!

1:30 – 1:45
PM

BIOQUEST Workshop Introduction

LTSC 001

1:45 – 4:00
PM

BIOQUEST Workshop Sessions