Thursday, October 16th

3:00 - 5:00 PM  Steering Committee Meeting  AUD 47

6:00 - 8:00 PM  Registration and Reception  H'ors d'oerves  Auditorium Building Hallway

8:00 - 9:00 PM  Opening Session  AUD 43

Welcome to ACUBE:  ACUBE President: Conrad Toepfer, Brescia University

Welcome to Hopkinsville Community College

Greetings from the Conference Chairpersons  Program Chair: Laura Salem, Rockhurst University

Local Arrangements Chairs: Hugh Cole, Hopkinsville Community College

Bioscene Editor: Steve Daggett, Avila University

OPENING PRESENTATION (Public Welcome to Attend)  William T. Turner

9:15 - 10:15 PM  Steering Committee Meeting  AUD 47
Friday, October 17th

7:00 AM - 5:00 PM  Registration table  Auditorium Gallery
(Register, pay dues, buy T shirts, etc.)

7:15 - 8:20 AM  Hot Breakfast  Auditorium Gallery
(Mentors and Mentees meeting or by Interest Group)

7:30 - 10:30 AM  Field Trip: Water Sampling

9:00 AM - Noon and 2:00 - 5:00 PM  SUSTAINING MEMBER EXHIBITS  Auditorium Gallery

8:30- 9:15 AM  CONCURRENT PAPER SESSION I

The Evolution of Service-Learning: Fostering Curiosity and Reflective Practice in an Evolution Course; Mindy L Walker, Rockhurst University  AUD 14

Microbe Cards Project; Nighat Kokan, Cardinal Stritch University  AUD 32

Biology on the Cheap: Using Technology to Get More Biology for the Buck; James Clack, Division of Science, Indiana University – Purdue University  AUD 33

Defending the Lowly Prokaryotes: new Challenges for BIOGaia Learning Activity; 1Abour Cherif, 1Linda Michel, 2Farah Movahed Zadeh, 1Robert Aron, 1DeVry University, 2University of Illinois at Chicago  TEC 210

9:30-10:15 AM  CONCURRENT WORKSHOP and ROUNDTABLES* SESSION I

*Evaluating the Need for Non-Majors Biology Introductory Survey Courses; Led by Stephen S Daggett, Avila University  AUD 14
How to Turn a Lecture into an Active Learning Experience; Debra Meuler, Cardinal Stritch University

Planning a Darwin Day; Tara Maginnis, St. Edward’s University

*Assessment Using Student-Generated Questions; Led by Paul Weihe, Central College

*Do Graduating Seniors Really Understand Scientific Method and Its Application?; Led by Aggy Vanderpool\(^1\) and Tom Davis\(^2\); \(^1\)Lincoln Memorial University, \(^2\)Loras College

10:30 - 11:15 AM  CONCURRENT PAPER SESSION II

Collaborative Experiments and Tours in Introductory Plant Science Course; I.P. Handayani, K. Wimberley, D. Ferguson and P. Williams, Murray State University

Assessing Undergraduate Research; Gains in Learning and Skills in Biology, Mathematics, and Biomathematics; Terry Derting and Renee Fister, Murray State University

Medicinal Plants Taught as an Interdisciplinary Course: Content, Process, and Assessment; Joyce V. Cadwaller, Saint Mary of the Woods College

Cooperative Learning Activities in Human Anatomy and Physiology; Kathleen Marr, Lakeland College

11:30 - 12:30 PM  Luncheon and First Business Meeting  Auditorium Gallery

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

1:00 – 1:45 PM  CONCURRENT WORKSHOP and ROUNDTABLES* SESSION II

Effective Understanding of the Human Body Organs: A Role Play Activity for Deep Learning; Abour Cherif\(^1\), Dianne Jedlicka\(^1\), Ateegh Al-Arabi\(^2\), Sujata Verma\(^3\), Robert Aron\(^1\), \(^1\)DeVry University, \(^2\)Johnson County Community College, \(^3\)Ivy Tech State College

Nature Education Genetics; Robin McGuire,
Nature Education

*First-Year Biology Courses-The Good, The Bad and…..Teaching Well-Prepared and Under-Prepared Students in the Same Course; Led by Aggy Vanderpool, Lincoln Memorial University

*The Adult Learner and Self-Assessment, Led by Marya Czech, Lourdes College

*Sharing Ideas and Approaches to Program Level Assessment; Led by Laura Salem and Chad Scholes, Rockhurst University

2:00-3:30 Concurrent Workshop Session III

Effective Learning Outcomes; Rebecca Burton, Alverno College

CSI Converse Summer Workshops-A Model for Promoting and Increasing Participation of High School Students in Sciences; Neval Erturk and S Strickland, Converse College

The Experimental Design Ability Test (EDAT); An Assessment Strategy to Probe Critical Thinking; Karen Sirum, Bowling Green State University

Digging in Time: Stories Fossils Tell; Gerald Adams, Abour Cherif, Columbia College Chicago, Devry University

3:30-5:30 PM POSTER SESSION and SUSTAINING MEMBERS EXHIBITS

Teaching About Plants Outside Biology Class; Paul Weihe, Central College

Addressing the Problem of the Underprepared Student in Literature-based Seminars; David J Matthes and Devavani Chatterjea, University of Minnesota

The Four Hour Introduction to Bioinformatics; David J Matthes, University of Minnesota

Using Pre-Assessment to Identify At Risk Students in an Introductory Microbiology Course; Alex Lowery, Gainesville State College
Ecological Issues in Soil Science Laboratory Course; I. P. Handayani, Murray State University

Integration and Evaluation of Research in a Cell Biology Lab—The Effect on Learning Outcomes; Christine Bezotte, Elmira College

From Phenotype to a Gene: A Guided Inquiry Laboratory Series for Undergraduate Students: Irina Makarevitch, Hamline University

The Neurobiology of Addiction: Assessment and Collaboration; Debra Murray and Glena Temple, Viterbo University

Assessing Learning in Biology Classes; Kim Fredricks and Debra Murray, Viterbo University

Case Studies and Data Analysis Assignments as Tools for Improving Critical Thinking Skills in Anatomy and Physiology Courses; Kristen Walton, Missouri Western State University

Post-Course Communication with Non-Science Majors; Lynn Gille, Todd Egan and Mary Anne Perks, Elmira College

Modular Curriculum for Introductory Genetics Laboratory Course Using Saccharomyces cerevisiae as a Model Organism; 1Tristan J Lubinski, 1Elizabeth M Denham, Michael J Piatelli, and 2Gregory R Smith, Boston College, 2Lakeland College

Using Textbook Annotations as an Assessment Tool, Neval Erturk, Converse College

Podcasting Biology Text Figures: Student Opinions; Kay Grimnes, Alma College

Earth Day Organization: An Alternative Teaching approach; Montante J1, Bee M2, Clark K3, Lanigan K3, Grabowski G3; 1Macomb Community College, Macomb County, MI, 2University of Detroit Mercy, Detroit, MI

Title: Using Web-based Student Portfolios to Assess Program-Level Learning Outcomes in the Biology Major; Karen Klyczek, Mark Bergland, and E. Katherine Miller Biology Department, University of Wisconsin-River Falls
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<th>Time</th>
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<tr>
<td>6:00 - 7:00 PM</td>
<td><strong>Social Hour</strong></td>
<td>Auditorium Gallery</td>
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<td>7:00 - 9:00 PM</td>
<td><strong>Dinner and Second Business Meeting</strong></td>
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<td>(two-minute speeches prior to dinner; balloting after dinner, new officers announced at end of presentation)</td>
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<td><strong>The 2008 Out of this World Teaching Idea Award</strong></td>
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<td>8:00 – 9:00 PM</td>
<td><strong>Dinner Program</strong></td>
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<td><strong>Dinner Speaker:</strong></td>
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<td><strong>Making Student Centered Evaluation of Learning Work in the Classroom of the Future</strong></td>
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<td><strong>Ellis Bell, Laboratory for Structural Biology, Biophysics and Bioinformatics Department of Chemistry University of Richmond</strong></td>
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**Saturday, October 28th**

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<tr>
<td>7:30 - 8:45 AM</td>
<td><strong>Continental Breakfast</strong> (by Interest Group)**</td>
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<td>7:45 - 8:45 AM</td>
<td><strong>Bioscene Editorial Board Meeting</strong></td>
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<td>8:45 - 9:30 AM</td>
<td><strong>CONCURRENT PAPER SESSION IV</strong></td>
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<td><strong>Science Faculty Learning Communities Promote Scientific Teaching: The Participant Assessment of Learning Gains Survey (PALG)</strong>; Karen Sirum, <em>Bowling Green State University</em></td>
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<td><strong>Simplifying and Refining General Education</strong></td>
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Learning Outcomes in Introductory Biology

Courses; Bobby Ann Lee, West Kentucky Community and Technical College

Anatomy and Physiology with Instrumentation for Engineering and Biomedical Technology; Robert Aron, Abour Cherif, Dianne Jedlicka, Bill Phillips, Robert Lundak, DeVry University

Are My Exams as Bad as Students Say? A Three Semester Analysis of General Biology Exams; Chad Scholes, Rockhurst University

9:40 – 11:10 AM

CONCURRENT WORKSHOP SESSION II

Using *Physarum polycephalum* for Independent Research Projects for First Year Students; Janice Bonner, College of Notre Dame of Maryland

Biology 135 (Basic Anatomy and Physiology) A Course Revision Process: Covering All the Bases and Heading for Home; Sharon Fugate, Marlena West, and Terry Tillen, Madisonville Community College

Inquiry-based Laboratory Modules for Teaching and Assessing Basic Laboratory Skills in an Introductory Cell Biology Laboratory Using Zebrafish; Melissa Daggett, Missouri Western State University

Where Have All Those Good Cars Gone? Using the History of Cars as an Analogy to Introduce the Concept of Change Over Time by Natural Selection; Jeremy Dunning\(^1\); Gerald Adams\(^2\); Abour H. Cherif\(^3\),

\(^1\)Indiana University, \(^2\)Columbia College Chicago, \(^3\)DeVry University
11:15 AM - 12:15 PM  **Luncheon and Third Business Meeting**

- Resolutions:
  - Marya Czech, *Lourdes College*

- Executive Secretary Report:
  - Tom Davis, *Loras College*

- *Bioscene*:
  - Steve Daggett, *Avila University*

- Presidential Address:
  - Conrad Toepfer, *Brescia University*

2008 Meeting (53rd) at Rockhurst University

- Program Chair: Melissa Daggett, *Missouri Western State University*

- Local Arrangements Chair: Laura Salem, *Rockhurst University*

**Adjournment:** Conrad Toepfer, President

12:30 – 1:30 PM  **Steering Committee Meeting**

Includes newly elected members!