AIBS Education Office
Report to AIBS Council
May 19th, 2010

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AIBS Education Office

advancing biology education by...

• facilitating peer networking
• recognizing excellence in teaching
• supporting awareness and implementation of teaching reform efforts
• fostering collaborations
AIBS Members 2000-2009

Major Activity 2000-2009

- Teaching 1203
- Research 1259
- Administration 228
- Other 673
AIBS Members 2000-2009

Employment Place 2000-2009

- Postdoctoral Fellow
- University
- 4 yr college
- Institute
- 2 yr college
- K-12
- Consultant
- Federal Government
- State Government
- National Lab
- Private Research Organization
- Industry
- Non-Profit Association
- Other
AIBS Members - Current

Major Activity - Current Members

- Teaching 439
- Research 463
- Admin 89
- Other 224
AIBS Members - Current

Employment Place - Current Members

- University
- Postdoctoral Fellow
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- Federal Government
- State Government
- Industry
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- Private Research organization
- Non-Profit Association
- Other
Peer Networking

- Online peer networking
- Introductory Biology Project: RCN-UBE grant awarded to Gordon Uno
- NABT Outreach Coordinator / Informal Educator Section
Cyberlearning ning group

http://c3cyberlearning.ning.com/
Introductory Biology Project

http://ibp.ou.edu/discussion

Hot Tags
- Whose neighbor had a great an
- archive recording
- conceptual inventory
- diagnostic tool evaluation
- experiment links
- natural selection
- online discussion
- Process and Nature of Science
- process of s
- reference references

Forums

<table>
<thead>
<tr>
<th>Main Forums</th>
<th>Topics</th>
<th>Posts</th>
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<tbody>
<tr>
<td>IBP General Discussion – What would help you most? What kind of information,</td>
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<td>web-based resource, person, or professional development opportunity would help</td>
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<td>you teach introductory biology?</td>
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<tr>
<td>Best and Worst Ideas in Teaching Biology</td>
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<td>3</td>
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<tr>
<td>Process and Nature of Science in Teaching Introductory Biology – Interested in</td>
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<td>7</td>
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<td>discussing process and nature of science in the introductory biology classroom? Join this discussion group to share ideas, ask questions, and learn more about what others do to incorporate the process of science in their teaching.</td>
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<td>But There's No Room! Designing Syllabi to Incorporate Cases – Join this discussion to share ideas, ask questions, and listen in on conversations about incorporating cases into your course.</td>
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<td>18</td>
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<td>Using Issues to Illustrate Real World Biology – Do you use issues to teach biology? Are you interested in learning more about doing so? Join this discussion, participate in the webinar, and share your ideas and promising practices to make biology come alive for students.</td>
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<td>3</td>
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IBP - Introductory Biology Education Specialists

Introductory Biology Education Specialists (IBES) Meeting

The IBES meeting will take place June 11-13, 2010, in Irving, TX. It will bring together a small group of faculty (about 25) who are teaching or coordinating undergraduate Introductory Biology and engaged in some type of research on undergraduate Introductory Biology education. A key goal of the meeting is to create new research collaboration groups comprised of faculty with common issues and questions.

The participants will be:

- meeting others engaged in education research specifically focused on the introductory courses in biology,
- contributing to the conversation about the future directions in the field,
- sharing their research,
- identifying potential collaborators, and
- helping to define the needs of this fragmented community.
NABT OCIE

... to promote the public understanding of biology and the life sciences by supporting outreach coordinators, informal educators and others involved in biology education outside the traditional classroom setting. The section serves as a resource for the community by providing venues for communication, mentoring, and professional development.

2010 NABT Conference – OCIE session

The Outreach Coordinators and Informal Educators section of the National Biology Teachers Association is a new section developed to promote the public understanding of biology and the life sciences by supporting outreach coordinators, informal educators and others involved in biology education outside the traditional classroom setting. The section serves as a resource for the community by providing venues for communication, mentoring, and professional development.

Here's information about the OCIE session that will be taking place at the NABT Conference on Wednesday.

2010 National Association of Biology Teachers Professional Development Conference
November 3-6, 2010
Minneapolis, MN
Faculty Recognition

- Faculty participation certificates
- Faculty service letters
- NABT Evolution Education Award co-sponsored by BSCS
- AIBS Education Award – 2010 awardee: Jo Handelsman
Reflective Teaching

- Webinars – launched in January 2010
  - Understanding Science
  - Using Issues
  - Incorporating Cases
  - Cyberlearning
  - Conceptual Inventory in Natural Selection
• Eye on Education – quarterly column: CINS, DNA Barcoding, CLIMB,

• Education Reports – bi-monthly: news, announcements, opportunities, grants, events, conferences
• NESCent/AIBS Evolution Symposium and Workshop @ NABT – annual event

November 5, 2010 - Minneapolis

– Edmund D. Brodie III, Professor of Biology and Director of Mountain Lake Biological Station, University of Virginia, Charlottesville, VA.

– Sean B. Carroll, Professor of Molecular Biology, University of Wisconsin-Madison, WI and soon-to-be Vice President for Science Education at Howard Hughes Medical Institutes.

– Hopi E. Hoekstra, John L. Loeb Associate Professor of Natural Sciences, Department of Organismic and Evolutionary Biology, Harvard University, Cambridge, MA.

– Allen Rodrigo, Director, National Evolutionary Synthesis Center, Durham, NC
• ActionBioscience.org – articles and interviews along with educator resources (SERC Module) and education articles

• BiosciEdNet.org – AAAS managed collaborative
Collaborations