



PERSONAL SNAPSHOTS (listed in alphabetical order with bio's and website links)

- Beck, Christopher
- Blumer, Larry
- Carter, Todd
- D'Avanzo, Charlene
- Ghosh, Sibdas
- Guinan, Judy
- Guralnick, Lonnie
- Haag, Maggie
- Hanson, Pamela
- Lyford, Mark
- Michael, Melissa
- Miller, Kristen
- Miller, Mary
- Musante, Susan
- Phillis, Randall
- Reiness, Gary
- Spell, Rachelle
- Uno, Gordon
- Wimmers, Larry
- Winnett-Murray, Kathy

[Chris Beck](#)

PAREiIBL Co-PI (ABLE)

Emory University

Senior Lecturer

Area of research/study? Ecology, Evolution, Frogs, Beetles,...

Topics that you teach? Ecology, Organismal Biology, Non-majors

Introductory Biology

Pedagogical interests? Research Intensive Instruction, Scientific Thinking

Pet peeve about students/administrators? ?



[Lawrence Blumer](#)

PAREiIBL (ABLE)

Morehouse College

Professor

Area of research/study? Ecology, Animal Behavior, Evolution, and guided-inquiry pedagogy

Topics that you teach? Ecology, Environmental Studies, and Introductory Biology

Pedagogical interests? Development and dissemination of new guided-inquiry laboratory pedagogy using the bean beetle model system. Forcing my pedagogical methods on junior faculty and questioning the efficacy of what we have always done to unsettle senior faculty.

Pet peeve about students/administrators? None. I am completely happy with everyone for the first 10 minutes, my average attention span.



[Todd Carter](#)

IBP Co-PI

Seward County Community College/Area Technical School

4. Role at your institution? Director of Research and Assessment – Division chair and biology faculty with nowhere to go after the grant ended.

Area of research/study? stream ecology, instruction

Topics that you teach? Currently - undergraduate research in biology, many years teaching intro

Pedagogical interests? Toolbox approach – lot's of tools that can be adapted on the fly, assessment, undergrad research

Pet peeve about students/administrators? Reacting rather than preparing



[Charlene D'Avanzo](#)

IBP

Hampshire College



Sibdas Ghosh

PAREiIBL (CUR)

Dominican University of California

Department of Natural Sciences and Mathematics; Associate Dean,
School of Health and Natural Sciences

Area of research/study? = Plant Molecular Physiology and Biochemistry

Topics that you teach? = Cell Biology and Genetics

Pedagogical interests? = Undergraduate Research

Pet peeve about students/administrators?!!!



Judy Guinan

PAREiIBL (ABLE)

Radford University

Associate Professor of Biology

Area of research/study? Avian reproductive behavior

Topics that you teach? Intro for majors and non-majors,
ecology, conservation, animal behavior

Pedagogical interests? Engaging students (any way that I can,
including undergraduate field research)

Pet peeve about students/administrators? Neither appear to
have any interest in anything faculty have to say



Lonnie J. Guralnick

PAREiIBL (CUR)

Roger Williams University

Assistant Dean, Math & Natural Science, Professor of
Biology

Area of research/study? Plant Ecophysiology, C4 and
CAM plants

Topics that you teach? Introductory freshman biology,
botany, microbiology

Pedagogical interests? group learning, interactive teaching, undergraduate research

Pet peeve about students/administrators? administrators do not teach enough



Maggie Haag

PAREiIBL (ABLE)

University of Alberta, Department of Biological Sciences, Edmonton AB
Canada

Curriculum Development, Program Coordinator Research Opportunity
Program, Program Coordinator Graduate Teaching Program, Supervise
the Undergraduate Teaching Support Staff, teaching

Area of research/study: Undergraduate Research experience; writing in
biology

Teaching: currently teaching/coordinating Biology Writing Seminars - a
one hour writing seminar for all first year biology students (~1800/term),
"writing to learn."



Pedagogical interests: undergraduate research, scientific writing

Pet peeve: proliferation of senior administrators at the expense of the folks in the trenches; students who have lost the passion and commitment for learning

Pam Hanson

PAREiIBL (CUR)

Birmingham-Southern College

Associate Professor of Biology (will start 2+ year term as dept chair in spring 2012... ough!)

Area of research/study? using yeast as a model to study: mechanism(s) of action of anti-cancer drugs; lipid metabolism and lipid/membrane trafficking

Topics that you teach? Genetics, cell and molecular biology, cancer biology

Pedagogical interests? Clickers, interdisciplinary/interdepartmental collaborations; integration of research and teaching

Pet peeve about students/administrators? What's not to love? ;) (you said irreverence was appreciated!)



Mark Lyford

IBP

AP, Director Life Sciences Program

Area of research/study? science education

Topics that you teach? Discovering Biology (LIFE 1002), Current Issues in Biology (LIFE 1003)

Pedagogical interests? Incorporating 'desirable difficulties' into classroom pedagogy, Institutional models for Scientific Literacy



Melissa Michael

IBP via the Biology Directors' Consortium

University of Illinois at Urbana-Champaign

Director for Core Curriculum, School of Molecular & Cellular Biology

Area of research/study? cell biology; mechanisms of adhesion assembly, disassembly and signaling

Topics that you mainly teach? Introductory Molecular Genetics and Cell Biology

Pedagogical interests? Assessment at the levels of course, sequence and program. The effect of active strategies in very large classrooms.



Kristen Miller

PAREiIBL (ABLE)

The University of Georgia

Academic Professional Associate: The faculty member who oversees our introductory instructional biology laboratory program

Area of research/study? Pedagogical preparation for graduate student instructors who teach inquiry-focused lab curricula; innovative instructional lab development; use of writing in biology as a teaching and learning method

Topics that you teach? Introductory biology; teaching methods for teaching science as inquiry

Pedagogical interests? See #5

Pet peeve about students/administrators?

Administrators: lack of support needed to implement innovative teaching despite the fact that they want us to teach increasing numbers of students; Students: sense of entitlement that they deserve a great grade no matter what their quality of work indicates



Mary Miller

PAREiIBL (CUR)

Rhodes College

Associate Professor of Biology, Director of Program in Biochemistry and Molecular Biology

Area of research/study? *Use of the model system Saccharomyces cerevisiae to investigate regulated cell division, spindle pole body components, and anti-cancer drugs*

Topics that you teach? *Upper level Genetics with laboratory, Cancer Biology Seminar Course, and yep, you guessed it, Introductory Biology lecture and labs*

Pedagogical interests? *Scientific communication, quantitative thinking, and Good Teach'in*

Pet peeve about students/administrators? *First semester first year student inability to approach problems mechanistically - including both detail and depth in their understanding of given material.*



Susan Musante

IBP

**American Institute of Biological Sciences (AIBS)
Education Programs Manager**



Randall Phillis

IBP

University of Massachusetts Amherst

Associate Professor

Area of research/study? Neurogenetics and Education Research

Topics that you teach? Introductory biology for majors, genetics, cell biology

Pedagogical interests? Using Model based reasoning to develop problem solving and critical thinking skills

Pet peeve about students/administrators? I like students. Administrators are most frustrating when want things to 'look as though they are good' rather than helping make things actually good.



Gary Reiness

PAREiIBL (CUR)

Lewis & Clark College

Professor of Biology and Director of Faculty Development (and soon to be associate dean)

Area of research/study? Cellular and Developmental Neurobiology, especially synapse formation and neurotrophic factors.

Topics that you teach? Intro genetics/evolution; non-majors bio; neurobiology; immunology.

Pedagogical interests? Research-like laboratories, active learning in classes, assessments

Pet peeve about students/administrators? Having been both, I must say I think they're all just wonderful.



Rachelle Spell

PAREiIBL Co-PI (CUR)

Emory

Senior Lecturer = old person whose primary responsibility is teaching

Area of research/study? = yeast genome stability

Topics that you mainly teach? = intro, research methods, genetics

Pedagogical interests? interactive teaching, undergraduate research

Pet peeve about students/administrators? = there are too many of them



Gordon Uno

IBP Co PI

University of Oklahoma

Chair/Professor

**Area of research/study? Science
Education/Biology Education/Plant
Reproductive Ecology**

Topics that you teach? Introductory Botany

**Pedagogical interests? Science/Biology
literacy**

**Pet peeve about students/administrators?
wow.....there are so many!**



Larry Wimmers

PAREiBL (CUR)

Towson University

**Role at your institution? Director, Molecular Biology,
Biochemistry and Bioinformatics Program**

Area of research/study?: Plant stress physiology

**Topics that you teach? Cellular and Molecular Biology (Intro
through Grad), Plant Physiology and Bioethics.**

**Pedagogical interests?: Guide Inquiry and Inquiry based
teaching, undergraduate research.**

**Pet peeve about students/administrators? Students =
unwillingness to try new study techniques even while failing a course.**

**Administrators = 1) unwillingness to share the reasoning behind their decisions, 2)
tendency to make decisions without gathering full information (not all).**



Kathy Winnett-Murray

IBP (at least, that's my guess)

Hope College

**Senior faculty member of the biology
department (meaning I've now been in the
same position over 25 years). I teach lots of
non-majors science courses as well as those for
bio majors.**

Area of research/study? Behavioral ecology

**Topics that you teach? Ecology &
evolutionary biology, Vertebrate Zoology,
Animal Behavior, Organismal Biology, and
two courses for non-science majors (gen ed courses) - one is an ecology course and
one is Regional Flora & Fauna, a natural history course.**

**Pedagogical interests? Diverse and sundry, but most of them having to do with
teaching outside in any way possible.**

**Pet peeve about students/administrators? Students who are afraid of creatures
they've never seen before in their lives (but are afraid nonetheless). I guess I could
say the same thing about administrators!**

