

**Curriculum Vitae  
for  
John Martin Basey**

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**Education**

- 1988-1992     University of Nevada, Reno, Ph. D., Major: Biology, Emphasis: Ecology
- 1987-1988     The University of Michigan, No Degree, Major: Biology
- 1984-1987     University of Nevada, Reno, M.S., Major: Zoology, Emphasis: Ecology
- 1982-1984     California State University Stanislaus, B.A., Major: Biology, Minor: Chemistry
- 1980-1982     Modesto Junior College, California, A.S., Major: Zoology

**Teaching Experience**

- 1999-present   Fulltime Senior Instructor, University of Colorado at Boulder, Coordinator of General Biology Labs for Majors and Non-Majors. Coordinator of: Microbiology Lab, Instructor of Methods of Teaching Biology, Independent Study and Independent Research.
- 2006-Present   President's Teaching and Learning Collaborative. UC System. A collaboration for research in science teaching.
- 2008-2010     Mentor, President's Teaching and Learning Collaborative. UC System.
- 1993-1999     Fulltime Instructor, University of Colorado at Boulder, Coordinator of General Biology and Microbiology Labs, Instructor of Methods of Teaching Biology, Independent Study, and Independent Research.
- 1992-1993     Part time Instructor, Truckee Meadows Community College, Microbiology.
- 1989-1992     Teaching Fellowship, University of Nevada, Reno, Microbiology and General Biology.

1989-1992 (summers)	Letter of Appointment, University of Nevada, Reno, Experimental Field Ecology, (field course).
1988-1989	Part time Instructor, Truckee Meadows Community College, General Biology.
1984-1987	Teaching Fellowship, University of Nevada, Reno, Microbiology, Mammalogy, Animal Biology, General Biology.
1981	Tutor, Modesto Junior College, Modesto, California.

## **Pertinent Work and Research Experience**

Current	Research in STEM education at the collegiate level. Research in pedagogy examining costs and benefits of full-inquiry in biology labs in relation to content knowledge and comprehension, higher-order cognition, understanding the nature of science, attitudes, and recruitment of women and minorities into science.
1992-1993	Postdoctoral research. Field research involving computer modeling of populations and genetic fingerprinting of feral horses in Nevada.
1988-1992	Dissertation research. Field research addressing: predator/prey interactions between coyotes and beavers; plant/herbivore interactions between beavers and forage trees; and the cost and effectiveness of a natural chemical deterrent inhibiting beavers from cutting trees.
1989-1990 (summers)	Field Biologist in Residence, Whittell Forest and Wildlife Area, University of Nevada, Reno.
1988 (summer)	Research Biologist, U.S. Fish and Wildlife Service. Field research on population biology of the endangered-fish Cui-ui at Pyramid Lake, Nevada.
1987-1988	Research Assistant, The University of Michigan. Laboratory research estimating differences in digestion of herbs and forbs by grasshoppers.
1984-1987	Thesis research. Field research on plant/herbivore interactions: beaver food selection in relation to chemical defenses of quaking aspen.
1985-1986 (Summers)	Field Biologist in Residence, Whittell Forest and Wildlife Area, University of Nevada, Reno.
1984	Volunteer Research Biologist, Sierra National Forest. Research on population biology and predator/prey interactions of mountain lions and mule deer in the Sierra Nevada using telemetry and other techniques.

## **Teaching Awards**

- 2016 Stumpie Award, CU Gold Leadership Award
- 2010 Chancellor's Award for Excellence in STEM Education.

## **Grants, Contracts, and Equipment (Secured)**

- 2017 Student Fees Grant. University of Colorado, Department of EBIO. Funds for flow cytometers for microbiology lab. \$20,000. Secured.
- 2015 Student Fees Grant. University of Colorado, Department of EBIO. Funds for microscopes. \$16,180. Secured.
- 2014 President's Teaching and Learning Collaborative. Funds for student help with research, conference presentation and travel. Granted for \$1,550. Secured.
- 2014 Student Fees Grant. University of Colorado, Department of EBIO. Funds for microscopes. \$19,219. Secured.
- 2011 President's Teaching and Learning Collaborative. Funds for student help with research, and conference presentation and travel. Granted for \$1,550.
- 2011 Student Fees Grant. University of Colorado, Department of EBIO. Funds for technologically advanced stereomicroscopes with digital imaging (EBIO 1240), \$28,000.
- 2010 Martin A. (PI), Williams A., Barger N., Basey J. M., Demmig-Adams B., and Flaxman, S. SEI: Increasing Teaching Effectiveness in Ecology and Evolutionary Biology. Science Education Initiative, University of Colorado at Boulder, \$480,000.
- 2010 Student Fees Grant. University of Colorado, Department of EBIO. Funds for technologically advanced stereomicroscopes with digital imaging (EBIO 1240), and portable CO<sub>2</sub> gas analyzers for soil respiration (EBIO 3400 with N. Fierer and S. Schmidt). \$25,400.
- 2009 Student Fees Grant. University of Colorado, Department of EBIO. Funds for stereomicroscopes with live-feed digital imaging systems \$26,000.
- 2008 Dean's Fund for Excellence. Funds to present research on science lab pedagogy at the Scholarship of Teaching and Learning Commons. Granted for \$290.

- 2008 Student Fees Grant. University of Colorado, Department of EBIO. Funds for digital spectrometers (EBIO 1230), digital imaging systems (EBIO 1230 and 1240), gel imaging system (EBIO 3400 and EBIO 1230) and animal skulls (EBIO 1240). \$27,808.
- 2007 President's Teaching and Learning Collaborative. Funds for student help with research. Granted for \$800.
- 2007 Student Fees Grant. University of Colorado, Department of EBIO. Funds for digital spectrometers (EBIO 1230), replica fossil human skulls (EBIO 1240 and 1210) and portable CO<sub>2</sub> gas analyzers for soil respiration (EBIO 3400 with N. Fierer and S. Schmidt) \$28,000.
- 2006 Student Fees Grant. University of Colorado, Department of EBIO. Funds for digital imaging equipment, microscopes and mobile environmental monitors to be used in general biology labs (EBIO 1230, EBIO 1240 and EBIO 1050). \$14,736
- 2005 Student Fees Grant. University of Colorado, Department of EBIO. Funds for reaction timers for the human approach lab to facilitate science-reasoning experiments. \$4,200
- 2005 Biological Sciences Initiative, funds for micro-pipettors to be used in molecular biology labs in general biology and microbiology, \$2,000.
- 2004 Student Fees Grant. University of Colorado, Department of EBIO. Funds for computer projection units mounted to the ceiling of General Biology Lab Rooms. \$16,000
- 2003 Student Fees Grant. University of Colorado, Department of EBIO. Computer interface upgrades and gas probes for experiments on photosynthesis, respiration and for student individual projects. \$6,700
- 2003 Basey, J. M. and Diggle P. Digital Imaging in Biology Labs and Web-Based Distribution of Images. Teaching With Technology, University of Colorado at Boulder, Requested \$7,072. Granted for \$600.
- 2002 Basey, J. M. and Osadjan, M, Educational equipment request, Biological Sciences Initiative, University of Colorado at Boulder, \$63,601.
- 2000 Hughes Initiative, funds for a video camera attached to a microscope and computer for the general biology labs, \$10,000.
- 1999 Information Technology Services at the University of Colorado for upgrades of computers, projection units and printers in General Biology & Microbiology Labs, \$101,800.

- 1998 Information Technology Services at the University of Colorado for upgrades of computers, projection units and printers in General Biology Labs. \$80,000.
- 1995 Computing Network Services at the University of Colorado for upgrades of computers in General Biology Labs. \$60,000.
- 1993 Hughes Initiative, funds for laser disks and laser-disk players for the General Biology Labs, \$10,000.
- 1990-1991 Contract from Reno City Council entitled "Beaver Repellent." This was a cost/benefit analysis of using a natural chemical extract to deter beavers from cutting cottonwoods along the Truckee River, \$3,000.

### **Grants, Contracts, and Equipment (Declined)**

- 2011 Basey J. M. and A. Miyake. Influence of Individual Differences on Learning and Attitudes in Different Formats of Plant Biodiversity Labs. NSF, DUE, TUES. \$199,895.
- 2010 Miyake, A., T. Ito, and J. M. Basey. Collaborative Research: Cognitive and Socioemotional Influences on Learning and Motivation in Problem-Based Biology Labs: Effects of Individual Differences and Values Affirmation. NSF, DRL, REESE. \$1,338,389.
- 2010 Basey J. M. and A. Miyake. Influence of Individual Differences in Working Memory and Explanatory Style on Learning and Attitudes in Different Formats of Plant Biodiversity Labs. NSF, DUE, TUES. \$200,000.
- 2009 Basey, J. M. Is Cognitive Load Theory (CLT) the new framework for science lab design? A test of guided labs based on CLT vs. open-ended labs in biology. NSF, DUE, CCLI. \$191,198.
- 2008 Basey, J. M. Adaptation and Implementation of the Science Writing Heuristic into Introductory General Biology Labs. NSF, DUE, CCLI. \$148,987.
- 2002 Wood W., Basey J. M., Knight J., and Mendelow T. Enhancement of core course labs and undergraduate research with modern microscopy and molecular biology equipment. NSF, DUE, CCLI, A and I. \$295,498.
- 2002 Basey, J. M. Predictive modeling of student learning in relation to style of SMET labs. NSF, Research on Learning in Education. \$718,947.
- 2000 PI, Curriculum Alliance for Biology Lab Educators (CABLE). NSF, DUE, CCLI, A&I. \$225,000.

- 1999 Co-PI, Coalition for Augmentation of Inquiry/Technology of Biology Labs. NSF, DUE, CCLI, A & I. \$160,650
- 1999 Co-PI, Outreach through a living exhibit and hands-on learning experience in the CU Aquarium. Outreach Council, University of Colorado at Boulder. \$5,000.

## **Community Service**

- 2001 – 2013 Mentor for High School Research Program.
- 2009 Workshop Training Series for Boulder High School. Designing effective science labs part II. An informal workshop on science-lab design.
- 2009 Workshop Training Series for Boulder High School. Designing effective science labs part I. An informal workshop on science-lab design.
- 2008 Evolution Outreach Panel Discussion. A panel discussion during the summer conference for high school and middle school teachers from around Colorado.
- 2006 – 2008 Guest Teacher for the Ceal Barry Technology Camp for the African American girls and Latinas from Five Points in downtown Denver.
- 2002 – 2008 Facilitator for Earthworks workshop for secondary science teachers.
- 2003 - 2004 Guest Teacher for Lyons Elementary School
- 2003 Organized instructional program for Nuestro Mundo (girls from Cole Middle School and Morey Middle School -- downtown Denver).
- 2003 CU Boulder Career Fair, arranged class on stream ecology for 5<sup>th</sup> graders
- 1998 – 2002 Helped to develop and coordinate the CABLE project designed to improve general biology labs in institutions of higher education across Colorado.
- 1999 – 2000 Guest instructor, Community College of Aurora.
- 1995 – 1999 Organized community visits and gave tours for the departmental aquarium. Department of EPO Biology, University of Colorado at Boulder.

## University Service

- 2013 – Pres. Chair of Autoclave Committee. Department of EE Biology, University of Colorado at Boulder.
- 2004 – Pres. Chair of Outcomes Assessment Committee. Department of EE Biology, University of Colorado at Boulder.
- 2003 - Pres. Undergraduate Curriculum Committee. Department of EE Biology, University of Colorado at Boulder.
- 2005 – Pres. General Biology Committee. Department of EE Biology, University of Colorado at Boulder.
- 2005 – Pres. Merit Evaluation Committee, Department of EE Biology, University of (3 year rotate) Colorado at Boulder.
- 2008 General Biology Task Force. Investigated feasibility of a unified introductory general biology curriculum, University of Colorado at Boulder.
- 2004, 2006 Reviewer for UROP grant proposal, Department of EE Biology, University of Colorado at Boulder.
- 2000 – 2006 Chair, departmental deionized-water system, Department of EPO Biology, University of Colorado at Boulder.
- 2001 – 2003 Member of department animal care committee. Department of EPO Biology, University of Colorado at Boulder
- 1999 - 2002 Guest teacher for the Minority Arts and Sciences Program (MASP). University of Colorado at Boulder.
- 2001 Member of student fees committee, Department of EPO Biology, University of Colorado at Boulder.
- 2001 Honors Thesis Committee. Department of Communications, University of Colorado at Boulder.
- 1997 - 1999 Undergraduate Curriculum Committee. Department of EPO Biology, University of Colorado at Boulder.
- 1995 - 1999 Chair, Aquarium Committee. Department of EPO Biology, University of Colorado at Boulder.
- 1993 - 1998 Chair, Microscope Committee. Department of EPO Biology, University of Colorado at Boulder.

- 1997 Faculty mentor for a first-year experience recitation. A program designed to improve the transition of freshmen science majors to CU-Boulder. University of Colorado at Boulder.
- 1994, 1995 Participant in special events for the CAPRH program. A program designed to encourage students to interact with faculty in an informal setting. University of Colorado at Boulder.

## **Professional Service**

- 1993 - Pres. Manuscript reviewer for: American Midland Naturalist, Canadian Journal of Zoology, CBE Life Science Education, Ecography, Ecological Society of America, Educational Research and Reviews, International Journal of the Scholarship of Teaching and Learning, International Journal of Higher Education, International Journal of Science Education, Journal of Wildlife Management, Lutra, Northwestern Naturalist, Oecologia, Oikos, Psychology and Education, Regulated Rivers: Research and Management, The Southwestern Biologist, Western North American Naturalist and chapters for several books.
- 2003 Assessment reviewer for CU Denver

## **Peer-Reviewed Publications**

- 2020 Basey, J. M., Francis, C. D. and Joseph, M. Motivation and exiting strategies by students in inquiry-oriented biology labs. *Teaching and Learning Inquiry*. 8(2): 128 – 130.
- 2014 Basey, J. M., Maines A. P., Francis C. D. and Melbourne B. Impacts of digital imaging versus drawing on student learning in undergraduate biodiversity labs. *Bioscene*, 40(2): 15 – 21.
- 2014 Basey J. M., Maines A. P. and Francis C. D. Time efficiency, written feedback, and student achievement in inquiry-oriented biology labs. *Journal of the Scholarship of Teaching and Learning*, 8(2).
- 2014 Basey, J. M., Maines A. P., Francis C. D. and Melbourne B. An evaluation of two hands-on lab styles for plant biodiversity in undergraduate biology. *CBE Life Sciences Education*, 13(3): 493-503.
- 2014 Basey J. M., Maines A. P., Francis C. D. Melbourne B., Wise S., Safran S. J. and Johnson P. Impact of a pre-lab, a write-to-learn post lab, and content reduction on evolution-based learning in an undergraduate plant biodiversity lab. *Evolution: Education and Outreach*, 2014(7).

- 2011 Basey, J. M. and Francis C. D. Design of inquiry-oriented science labs: impacts on students' attitudes. *Research in Science and Technological Education*, 29(3): 241-256.
- 2008 Basey, J. M., Sackett, L. S. and Robinson, N. S. Optimal science lab design: impacts of various components of lab design on students' attitudes toward lab. *International Journal for the Scholarship of Teaching and Learning*, 2(1).
- 2000 Basey, J. M., Mendelow, T. N., and Ramos, C. N. Current trends of community college lab curricula in biology: an analysis of inquiry, technology and content. *Journal of Biological Education* 34(2): 80–86.
- 1999 Basey, J. M. Foraging behavior of beavers, plant secondary compounds, and management concerns. *In: Beaver Protection, Management, and Utilization in Europe and North America.* (P.E. Busher and R.M. Dzieciolowski eds.) Plenum Press, New York and London.
- 1995 Basey, J. M., and S. H. Jenkins. Influences of predation risk and energy maximization on food selection by beavers (*Castor canadensis*). *Canadian Journal of Zoology* 73: 2197-2208.
- 1993 Basey, J. M., and S. H. Jenkins. Optimal production of chemical defenses in relation to plant growth rate. *Oikos* 68: 323-328.
- 1990 Basey, J. M., S. H. Jenkins, and G. C. Miller. Food selection by beavers in relation to inducible defenses of quaking aspen. *Oikos* 59: 57-62.
- 1988 Basey, J. M., S. H. Jenkins, and P. E. Busher. Optimal central-place foraging by beavers: tree-size selection in relation to defensive chemicals of quaking aspen. *Oecologia (Berlin)* 76: 278-282.

### **Non-Peer-Reviewed Publications**

- 2021 Basey, J.M. and Bilinski, T. Biology and society lab, spring and summer 2022. The Robin Works, Modesto, California, 128pp.
- 2020 Basey, J.M. Biology and society lab, fall 2020, spring 2021 and summer 2021. The Robin Works, Modesto, California, 14pp.
- 2005 Basey, J. M. General biology lab a human approach: fall 2005 and spring 2006. The Robin Works, Groveland, California. 142 pp.
- 2002 Basey, J. M. Inquiries into biology, Biology 112 lab manual, Arapahoe Community College. The Robin Works, Groveland, California, 148 pp.

- 2002 Basey, J. M. Inquiries into biology, Biology 111 lab manual, Arapahoe Community College. The Robin Works, Groveland, California, 164pp.
- 2002 Basey, J. M. Photosynthesis I: Plant Pigments. In: Lab Manual, Bio 110, Principles of Biology (Jones, K. S. ed.). Outernet Publishing. pp. 31 - 44.
- 2002 Basey, J. M. Photosynthesis II and Respiration. In: Lab Manual, Bio 110, Principles of Biology (Jones, K. S. ed.). Outernet Publishing. pp. 45 - 56.
- 2002 Basey, J. M. Student Projects. In: Lab Manual, Bio 110, Principles of Biology (Jones, K. S. ed.). Outernet Publishing. pp. 57 - 62.
- 2002 Basey, J. M., and Perkins, S. Microbiology Lab Spring 2003. The Robin Works, Groveland, California, 112pp.
- 2002 Basey, J. M. Prokaryotes. In: Symbiosis, a custom laboratory program for biology (Murphy, C. ed.). Pearson Custom Publishing. pp. 9 - 24.
- 2002 Basey, J. M. Protists and Fungi. In: Symbiosis, a custom laboratory program for biology (Murphy, C. ed.). Pearson Custom Publishing. pp. 25 - 38.
- 2002 Basey, J. M. Plant Diversity. In: Symbiosis, a custom laboratory program for biology (Murphy, C. ed.). Pearson Custom Publishing. pp. 39 - 54.
- 2002 Basey, J. M. Animal Diversity. In: Symbiosis, a custom laboratory program for biology (Murphy, C. ed.). Pearson Custom Publishing. pp. 55 - 72.
- 2001 Basey, J.M., Hill, C.N. Laboratory manual for biology 105 (internet course). The Robin Works, Groveland, California, 58pp.
- 2000 Basey, J. M. CABLE's general biology lab I. The Robin Works, Groveland, California, 224pp.
- 1998 Basey, J. M. Biology 111 lab, Aurora Community College. The Robin Works, Groveland, California, 147pp.
- 1994 Basey, J. M. General biology lab II: spring and summer 1994. The Robin Works, Groveland, California.
- 1993 Basey, J. M. General biology laboratory 1. The Robin Works, Groveland, California.

## **Presentations and Workshops**

- 2019 Carter, J. and Basey, J. M. Teaching as an undergraduate. STEMROUTES Workshop.
- 2019 Basey, J. M. Planning and managing STEM labs. The Graduate Teacher Program, Fall Intensive 2019 Workshop.
- 2018 Basey, J. M. Planning and managing STEM labs. The Graduate Teacher Program, Fall Intensive 2018 Workshop.
- 2017 Basey, J. M., Francis, C. D and Joseph, Maxwell. Classroom synergism and its influence on learning. International Conference on Education, Training and Informatics. Orlando, Florida.
- 2017 Basey, J. M. and Caitlin Kelly. The major dos and don'ts of TA management in large multi-section lab classes. Co-sponsored by The Faculty Teaching Excellence Program and The Graduate Teacher Program.
- 2017 Basey, J. M. Planning and managing STEM labs. The Graduate Teacher Program, Fall Intensive 2017 Workshop.
- 2017 Basey, J. M. What we can and can't learn from pedagogy literature. Graduate Pedagogy Seminar. University of Colorado at Boulder.
- 2016 Basey, J. M. Planning and managing STEM labs. The Graduate Teacher Program, Fall Intensive 2016 Workshop.
- 2015 Basey, J. M., Francis, C. D and Joseph, Maxwell. The influence of student achievement motivation orientation and study/leisure conflict on self-regulated study during student-centered general biology labs. Poster. 26th International Conference on College Teaching and Learning. Ponte Vedra Beach, Florida.
- 2015 Basey, J. M. and Thomas, E. Planning and managing STEM labs. The Graduate Teacher Program, Fall Intensive 2015 Workshop.
- 2015 Basey, J. M. Teaching as research. Graduate Pedagogy Seminar. University of Colorado at Boulder.

- 2015 Basey, J. M., Francis, C. D and Joseph, Maxwell. The influence of student achievement motivation orientation and study/leisure conflict on self-regulated study during student-centered general biology labs. Poster. 7<sup>th</sup> Annual Symposium on STEM Education. University of Colorado at Boulder.
- 2014 Basey, J. M. Grading Effectively in Labs. Graduate Teacher Program's Spring 2014 Teaching Institute for Graduate Education Research Workshop Series. University of Colorado at Boulder.
- 2013 Basey, J. M., Francis, C. D. and Maines, A. President's Teaching and Learning Collaborative Research: Written constructive feedback and student learning in inquiry biology labs. Poster. 5<sup>th</sup> Annual Symposium on STEM Education. University of Colorado at Boulder.
- 2013 Basey, J. M. An evaluation of two inquiry-oriented lab styles for plant biodiversity. Discipline-Based Research (DBER) Seminar. University of Colorado at Boulder.
- 2013 Basey, J. M., Maines, A. P., Francis, C. D., Melbourne, B., Wise, S., Safran, R. J. and Johnson, P. T. J. Impact of a pre-lab, a write-to-learn post-lab, and content reduction on evolution-based learning in an undergraduate plant biodiversity lab. Poster. SEI/iSTEM End of Year Event. University of Colorado at Boulder.
- 2013 Basey, J. M., Francis, C. D. and Maines, A. President's Teaching and Learning Collaborative Research: Written constructive feedback and student learning in inquiry biology labs. Poster. SEI/iSTEM End of Year Event. University of Colorado at Boulder.
- 2012 Basey, J. M. Giving constructive written feedback in labs. Graduate Teacher Program's Fall 2012 Teaching Institute for Graduate Education Research workshop series. University of Colorado at Boulder.
- 2012 Basey, J. M., Maines, A., Francis, C. D., and Melbourne, B. An evaluation of two inquiry-oriented lab styles for plant biodiversity. 4<sup>th</sup> Annual Symposium on STEM Education. University of Colorado at Boulder.
- 2012 Basey, J. M., Francis, C. D. and Maines, A. Written constructive feedback and student learning in inquiry biology labs. Poster. SEI/iSTEM End of Year Event. University of Colorado at Boulder.
- 2012 Basey, J. M, Maines, A., and Francis, C. D. Written constructive feedback and student learning in inquiry biology labs. Poster. 23<sup>rd</sup> Annual

- Conference on College Teaching and Learning. Ponte Vedra Beach, Florida.
- 2011      Basey, J. M. **Written constructive feedback and student learning in inquiry biology labs.** Presidents Teaching and Learning Collaborative, Launch Session. Poster. University of Colorado at Boulder.
- 2011      **Basey, J. M. Variation in working memory and the optimal design of STEM Labs. Discipline-Based Research (DBER) Seminar. University of Colorado at Boulder.**
- 2010      Basey, J. M. Variation in working memory and the optimal design of STEM labs. Annual iSTEM Symposium. Poster. University of Colorado at Boulder.
- 2009      Basey, J. M. and Strode, P. Designing effective science labs: perspectives from the field. Professional Development Center, Boulder, CO.
- 2009      Basey, J. M. Design of inquiry-oriented science labs, impacts on students' attitudes. Scholarship of Teaching and Learning Commons Conference. International Journal for the Scholarship of Teaching and Learning. University of Southern Georgia.
- 2007      Basey, J. M. How to improve students' attitudes in science labs: research on influences of lab design on students' attitudes. Graduate Teacher Program's Fall 2007 Teaching Institute for Graduate Education Research workshop series. University of Colorado at Boulder.
- 2006      Basey, J. M. Impacts of lab design on students' attitudes toward science labs, Presidents Teaching and Learning Collaborative, Launch Session. University of Colorado at Boulder.
- 2004      Basey, J. M. Students' attitudes towards science labs: comparative research addressing various lab styles and characteristics. Department Colloquium, University of Northern Colorado.
- 2002      Basey, J. M., J. Curry, and K. Foote. Facilitator in faculty break-out group, 5th Annual, Colorado Preparing Future Faculty Network Forum. University of Colorado at Boulder
- 2002      Basey, J. M., T. K. Nakamura. Teaching at a Research Intensive Institution: Issues and Methods Related to Science Labs. Graduate Teacher Program Spring Conference 2002. University of Colorado at Boulder.

- 2000 Basey, J. M. The role of the general-biology teaching lab: an analysis of student knowledge/comprehension in relation to the incorporation of inquiry. EPOB Research Symposium, University of Colorado at Boulder.
- 1998 Basey, J. M. Foraging behavior of beavers, plant secondary compounds, and management concerns. Invited symposium presentation, European/American Mammalogy Congress, Santiago de Compostela, Spain.
- 1994 Basey, J. M. Predator, herbivore, and plant interactions. Department Colloquium, Colorado State University.
- 1992 Jenkins, S. H. and J. M. Basey. Optimal foraging by beavers: a compromise between maximizing profit and minimizing risk. 4th International Behavioral Ecology Congress. Princeton, New Jersey.
- 1992 Basey, J. M. and S. H. Jenkins. Foraging behavior of beavers in relation to food quality and predation risk. 72nd annual meeting, American Society of Mammalogists, Salt Lake City, Utah.
- 1992 Basey, J. M. Foraging behavior by beavers in relation to food quality and predation. University of Nevada, Reno.
- 1991 Hackett, M., J. Basey, L. Cary, J. Nelson, G. Miller. Isolation and identification of an unusual biologically active 1,3 di-substituted glycerol from the bark of juvenile morphology quaking aspen trees. 46th annual Northwest Regional Meeting of the American Chemical Society. La Grand, Oregon.
- 1989 Basey, J. M. Central-place foraging and secondary metabolites. Invited symposium presentation, Fifth International Theoriological (Mammalogy) Congress, Rome, Italy.
- 1987 Basey, J. M. and S. H. Jenkins. Food selection by beavers in relation to defensive chemicals in quaking aspen. 67th annual meeting, American Society of Mammalogists, Albuquerque, New Mexico.
- 1987 Basey, J. M. Central-place foraging by beavers in the Sierra Nevada: tree-size selection and inducible defenses in quaking aspen. University of Nevada, Reno.
- 1986 Jenkins, S. H., J. M. Basey, and P. E. Busher. Central-place foraging by beavers: tests of a model of selection of trees by size. Fourth International Congress of Ecology (poster).