

## LAURA ALLISON ROMANO

Denison University  
Department of Biology  
Granville, OH 43023

Telephone: (740) 587-6337  
FAX: (740) 587-5634  
E-mail: romanol@denison.edu

---

### SUMMARY:

interdisciplinary biologist who is committed to the liberal arts mission of fostering compassion as reflected in methods of advising, mentoring, and teaching, and in participation of service activities both on and off campus; possessing a focused, organized, and positive approach.

### EDUCATION:

Ph.D., University of Arizona, May 2000.  
Major in Cell Biology and Anatomy; Minor in Molecular and Cellular Biology

B.S. with Honors, College of William and Mary, May 1993.  
Major in Biology; Minor in Anthropology

### SPECIALIZED TRAINING:

**Developmental Biology Teaching Workshop**  
Darling Marine Center, June 2004.

**Molecular Phylogenetics Course at the Summer Institute in Statistical Genetics**  
North Carolina State University, Summer 2003.

**Seminar in Teaching Biology**  
Duke University, Spring 2002.

**Computer Applications for Teachers Course**  
University of Arizona, Fall 1999.

**“Embryology: Concepts and Techniques in Developmental Biology” Course**  
Marine Biological Laboratory, Summer 1998.

### ACADEMIC POSITIONS HELD:

**Associate Professor**  
Department of Biology, Denison University; September 2010-present

**Assistant Professor**  
Department of Biology, Denison University; September 2003-August 2010

**Postdoctoral Research Associate**

Department of Biology, Duke University; April 2000-August 2003

- Advisor: Dr. Gregory Wray

**Graduate Research Assistant**

Department of Cell Biology and Anatomy, University of Arizona; July 1994-March 2000

- Advisor: Dr. Raymond Runyan

**Research Assistant**

Department of Cell Biology and Anatomy, University of Arizona; July 1993-June 1994

- Advisor: Dr. Joseph Bagnara

**Undergraduate Research Assistant/Illustrator**

Department of Biology, College of William and Mary; January 1990-May 1993

- Advisor: Dr. Norman Fashing

**TEACHING AND MENTORING EXPERIENCE:****Instructor, W101**

Denison University; Spring 2021 – **present**

- assisted first-year students in becoming more effective writers

**Instructor, AS 101**

Denison University; Fall 2016, 2019, 2021

- assisted first-year students with transition to college life

**Instructor, Multicellular Life**

Department of Biology, Denison University; Fall 2014 – **present**

- instructed undergraduates through lecture, discussion, and laboratory exercises

**Instructor, Invertebrate Zoology**

Department of Biology, Denison University; Fall 2014 – **present**

- instructed undergraduates through lecture, discussion, and laboratory exercises

**Substitute Instructor, Cellular and Molecular Biology**

Department of Biology, Denison University; Fall 2014

- instructed undergraduates in the laboratory for one month on behalf of colleague

**Instructor, FYS 103: Building Community**

Denison University; Fall 2013

- assisted first-year students with transition to college life

**Mentor, Posse Scholars**

Denison University; Fall 2011 – Spring 2015

- mentored ten undergraduates from Boston, MA; 100% graduation

**Instructor**, Introduction to the Science of Biology

Department of Biology, Denison University; Fall 2004 – Spring 2015

- instructed undergraduates through lecture, discussion, and laboratory exercises

**Instructor**, Cellular and Molecular Biology

Department of Biology, Denison University; Fall 2005 – Fall 2015

- instructed undergraduates through lecture, discussion, and laboratory exercises

**Instructor**, Developmental Biology

Department of Biology, Denison University; Fall 2003 – **present**

- instructed undergraduates through lecture, discussion, and laboratory exercises; integrated service learning projects

**Instructor**, Evolutionary Developmental Biology

Department of Biology, Denison University; Spring 2005, Fall 2008.

- instructed undergraduates through lecture, discussion, and laboratory exercises

**Guest instructor**, Neural Development, Eukaryotic Cell Biology, Animal Physiology

Department of Biology, Denison University; Fall 2004 – **present**

- prepared guest lectures for undergraduate students

**Academic Advisor**

Denison University; Fall 2004 – **present**

- about 15-25 per academic year

**Research Advisor**

Denison University; Summer 2004 – **present**

- assist undergraduate students in my laboratory in the form of Directed Study, Senior Research, and/or Summer Research

**Co-Instructor**, Molecular Biology

Marine Biological Station, University of Tohoku (Japan); Spring 2002

- instructed graduate students through laboratory exercises

**Mentorship in Teaching Biology**

Department of Biology, University of North Carolina at Greensboro; Spring 2002

- discussed teaching-related issues with Dr. Dean Wendt

**Guest Instructor**, Experiments in Development and Molecular Genetics

Department of Biology, Duke University; Fall 2001

- prepared guest lectures for undergraduate students

**Mentor**

Department of Biology, Duke University; Fall 2000 – Spring 2003

- served as a mentor for several graduate students in the laboratory

**Mentor**, Howard Hughes Medical Institute Summer Research Program  
Department of Biology, Duke University; Summer 2000

- served as a mentor for an undergraduate student in the laboratory

**Problem-Based Learning Facilitator**, Physiology  
College of Medicine, University of Arizona; Spring 1998

- facilitated a discussion group of medical students

**Problem-Based Learning Facilitator**, Gross Anatomy  
College of Medicine, University of Arizona; Fall 1995, 1999

- facilitated a discussion group of medical students

**Teaching Assistant**, Human Gross Anatomy  
College of Medicine, University of Arizona; Fall 1995, 1999

- assisted medical students in the laboratory

**Preparatory Teaching Assistant**, Introductory Biology II  
Department of Ecology and Evolutionary Biology, University of Arizona; Spring 1994

- prepared laboratory supplies and equipment; assisted undergraduate students in laboratory exercises related to ecology, genetics, and evolution

**Preparatory Teaching Assistant**, Introductory Biology I  
Department of Molecular and Cellular Biology, University of Arizona; Fall 1993

- prepared laboratory supplies and equipment; assisted undergraduate students in laboratory exercises related to molecular, cellular, and developmental biology

#### **SERVICE/EXPERIENTIAL LEARNING:**

**Invertebrate Zoology, Fall 2017**

- students explored different habitats, collected a variety of invertebrates, and worked to identify and classify them at the Duke Marine Laboratory in Beaufort, NC

**Developmental Biology, Spring 2017, Spring 2020**

- students developed activities to learn about life cycles (plants and animals) and shared these with all of the 3<sup>rd</sup> grade classes at Legend Elementary School in Newark, OH

**Developmental Biology, Spring 2016**

- students developed activities focused on different stages of the human life cycle with information about current issues, and shared them with senior citizens in Granville, OH

**Invertebrate Zoology, Fall 2015**

- students prepared an activity for the annual “Science, It’s Elementary!” program at Granville Elementary School in Granville, OH

### **Invertebrate Zoology, Fall 2014**

- students prepared an activity for the annual “Science, It’s Elementary!” program at Granville Elementary School in Granville, OH

### **Developmental Biology, Fall 2013**

- students developed poster presentations focused on different stages of the human life cycle with information about current issues, and shared them with local senior citizens in Granville, OH

### **Developmental Biology, Fall 2012**

- students developed pamphlets with information for women who are pregnant or planning to become pregnant (e.g. importance of diet, exercise, avoiding teratogens, obtaining prenatal care) and distributed these to different entities in Licking County, OH

### **AWARDS:**

- Grant from Denison University Research Foundation (\$4,922), 2015.
- Grant from Denison University Research Foundation (\$6,495), 2014.
- Grant from the National Institutes of Health (\$206,456), 2010 – 2014.
- Society for Developmental Biology Travel Grant for Teaching Faculty (\$500), 2006.
- Grant from the Denison University Research Foundation (\$4,645), 2006.
- Scholarship for Summer Institute in Statistical Genetics (\$350), 2003.
- Achievement Rewards for College Scientists Scholarship (\$6,000), 1999 – 2000.
- College of Medicine Fellowship (University of Arizona) (\$2,000), 1999 – 2000.
- Society for Developmental Biology Scholarship (\$3,200), 1998.
- Graduate Student Council Travel Grant (University of Arizona) (\$500), 1998.
- Graduate Registration Scholarship (University of Arizona) (\$2,188), 1998, 1999.
- Langman Award Finalist, American Association of Anatomists, 1998.
- American Heart Association Predoctoral Fellowship (\$13,200), 1997 – 1998.
- American Heart Association Student Stipend Award (\$5,000), 1996 – 1997.
- Honorable Mention, US DOD Science and Engineering Fellowship, 1995, 1996.
- Graduate College Fellowship (University of Arizona) (\$14,000), 1995.
- Biology 21 Flinn Fellowship (\$14,000), 1994 – 1995.
- Research Grant awarded by the College of William and Mary (\$350), 1992 – 1993.

### **INSTITUTIONAL/DEPARTMENTAL SERVICE:**

**Co-organizer**, “Meet Me at the Museum” workshop on Metacognition  
Denison University, Spring 2020

**Liaison**, Lisska Center for Scholarly Engagement  
Department of Biology, Denison University; Fall 2020 – **present**

**Chair**, Search Committee for Tenure-Track Biologist  
Department of Biology, Denison University; Fall 2016

**Representative (Division of Natural Sciences)**, Department Report Review Committee  
Denison University, Fall 2016 – present

**Organizer**, Inaugural visit of incoming students in the Denison-Columbus Alliance  
Denison University, Fall 2016 – Spring 2017

**Co-Organizer**, Programming for the Denison-Columbus Alliance Scholars program  
Denison University; Fall 2015 – Spring 2016

**Faculty Advisor**, Alliance for Disability Awareness and Activism (ADAA)  
Denison University, Fall 2015 – Spring 2018

**Member (elected, 3-year term)**, Campus Affairs Committee  
Denison University; Fall 2015 – Spring 2018

**Representative**, Campus Affairs Committee of the Board of Trustees,  
Denison University; Fall 2015 – Spring 2016

**Discussant**, Workshop on the Work-Life Balance for Junior Faculty  
Denison University; Fall 2015

**Discussant**, Workshop on Faculty Expectations at PTW Orientation  
Denison University; Fall 2014

**Contributor**, Curiosity Exhibit at the Art Museum  
Denison University; Fall 2014 – Spring 2015

**Member**, Search Committee for Visiting Biologist  
Department of Biology, Denison University; Spring 2014

**Member (elected, 3-year term)**, Committee on Residential Life  
Denison University; Fall 2012 – Spring 2015

**Member**, Center for Service Learning Advisory Group  
Denison University; Fall 2012 – present

**Discussant**, Workshop on “Motivating Students”  
Denison University; Fall 2012

**Participant**, “Listening for a Change”  
Denison University; Fall 2011 – Spring 2012

**Participant**, “Community Conversation”  
Denison University; Fall 2010 – Spring 2011

**Member**, Search Committee for Visiting Biologist  
Department of Biology, Denison University; Spring 2010

**Participant**, June Orientation  
Denison University; Summer 2007 – **present**.

**Chair**, Search Committee for Visiting Biologist  
Department of Biology, Denison University; Spring 2009

**Member (elected, 3-year term)**, Student Enrollment and Retention Committee (SERC)  
Denison University; Fall 2007 – Spring 2010

**Chair**, Student Enrollment and Retention Committee (SERC)  
Denison University; Fall 2007 – Spring 2008; Fall 2009 – Spring 2010

**Representative**, SERC of the Board of Trustees,  
Denison University; Fall 2007 – Spring 2009

**Contributor**, The Art of Science Exhibit at the Art Museum  
Denison University; Fall 2007

**Member**, Search Committee for Visiting Biologist  
Department of Biology, Denison University; Spring 2007

**Representative**, Marine Sciences Education Consortium (MSEC)  
Duke Marine Laboratory; 2007 – **present**

**Facilitator**, Workshop on Academic Honesty at International Orientation  
Denison University; Fall 2006

**Member**, Search Committee for Visiting Biologist  
Department of Biology, Denison University; Spring 2006

**Member (elected, 2-year term)**, Honorary Degrees Committee  
Denison University; Fall 2005 – Spring 2007

**Member**, Wells/Anderson Scholarship Selection Committee  
Denison University; Spring 2005, 2021.

**Coordinator**, Departmental Assessment Exam  
Department of Biology, Denison University; Fall 2004 – Spring 2007

**Member**, Search Committee for Tenure-Track Biologist  
Department of Biology, Denison University; Spring 2004

**Volunteer**, Faculty Focus Sessions for Prospective Students  
Denison University; March 2004, 2005, 2006

**Volunteer**, Admissions Workshops for Prospective Students  
Denison University; November 2003, 2004

**Volunteer**, Dinners for Prospective Students  
Denison University; 2003 – **present**

**Member**, Graduate Studies Committee  
Department of Cell Biology and Anatomy, University of Arizona; Fall 1996 – Spring 1997

**Member**, Seminar Committee  
Department of Cell Biology and Anatomy, University of Arizona; Fall 1995 – Spring 1996

## **COMMUNITY SERVICE:**

**Mentor**, FTC robotics team (sponsored by The Works), 2021 – **present**.  
• mentor a local team of teenagers (ages 14-18) participating in FIRST Tech Challenge (FTC) robotics, particularly with regard to STEM outreach in rural communities of eastern Licking County.

**President**, Granville Education Foundation 2018 – 2020.  
• provided leadership to non-profit organization that awards grants to local teachers for innovative projects in their classrooms; provides college perspective, when appropriate.

**Chair of the Grant Committee**, 2017 – 2018.  
• solicited grant applications and assisted in their review, in collaboration with the Assistant Superintendent of the Granville School District

**Secretary**, 2016-2017  
• recorded the minutes of monthly board meetings; also involved in major decision-making along with the president, vice-president, and treasurer

**Chair of the PR Committee**, 2015 – 2016.  
• organized events for the purpose of fundraising (including the annual campaign) and to increase visibility of the organization within the local community

**Member of Board of Trustees**, 2014 – 2020.  
• contributed to discussions at monthly board meetings; attended events organized by the PR committee; reviewed grants solicited by the Grant Committee; served as a link to community members affiliated with Denison



**Co-Coach**, FLL Robotics Team (sponsored by Denison), 2017 – **present**.

• coached a local team of children (ages 8-14) participating in FIRST Lego League (FLL) robotics, and recruited undergraduate students to assist with the project component (e.g., planetarium show presented by physics majors for “Into Orbit” theme in 2018).

**Liaison**, Science Fair at the Works, 2014, 2015.

• recruited undergraduate students to serve as mentors for local children in grades K-12; also assisted in judging projects

**Chair**, “Science, It’s Elementary!” for Granville School District, 2013, 2014, 2015.

• recruited undergraduate students to develop activities for local children in grades K-3; also organized the entire event

**Organizer**, service-learning projects, Developmental Biology, Fall 2012, 2013, Spring 2016, 2017; Invertebrate Zoology, Fall 2014, Fall 2015.

• developed projects to engage undergraduate students in their local community, both in Granville and Newark, OH

**Trustee**, Village Green Neighborhood Association, 2013 – 2015.

**Judge**, Science Fair at Utica High School, December 2011.

**Mentor for two high school students**, Licking County Educational Center, Spring 2009.

**Judge**, Ohio Academy of Sciences Fair, May 2005, 2006, 2007.

**E-mentor**, Society for Developmental Biology, 2004 – 2008.

**Judge**, Ohio Regional Science and Engineering Fair, February 2004.

**Guest Instructor**, North Carolina School of Science & Mathematics, Fall 2002

**Judge**, Southern Arizona Regional Science and Engineering Fair, March 1997, 1998.

**Judge**, International Science and Engineering Fair, March 1996.

## **PROFESSIONAL SERVICE:**

**External reviewer** for curriculum required for four majors (Biology, Health Sciences, Environmental Studies, and Environmental Science) offered by the Department of Biology and Environmental Science at Marietta College, Spring 2021.

**Reviewer** for articles in peer-reviewed journals: Developmental Biology; Genetika; Evolution and Development; Development, Genes, and Evolution. Spring 2000 – **present**.

**External reviewer** for tenure applicant at another institution, Fall 2011.

**Co-chair** of plenary education session at the Developmental Biology of the Sea Urchin Meeting in Woods Hole, MA, Spring 2011.

**Chair** of plenary session titled “The sea urchin as a model system for education” at the Developmental Biology of the Sea Urchin Meeting in Woods Hole, MA, Spring 2008.

**Reviewer** for the National Science Foundation. Spring 2006 – present.

**Reviewer** for “Life: The Science of Biology” textbook published by Sinauer Associates, Inc. Fall 2005.

**Member**, Organizing Committee for the Weinstein Cardiovascular Development Conference in Tucson, AZ. Spring 1999.

### **PROFESSIONAL SOCIETIES:**

Society for Integrative and Comparative Biology, 2010 – **present**.

American Society for the Advancement of Science, 2003 – **present**.

Society for Developmental Biology, 1999 – **present**.

### **PEER-REVIEWED PUBLICATIONS:**

(\*denotes undergraduate student)

Romano, L., Byrum, C., Lee, P-Y., Morris, B. (2019) Echinoderms: Experimental Approaches. Chapter 21: Exploring the sea urchin genome with undergraduates using bioinformatic tools. *Methods in Cell Biology*. **150**, pp. 449-469.

Clark, M.\*, Thompson, E.\*, and Romano, L. (20XX) A novel approach to deliver morpholino oligonucleotides into sea urchin eggs using a reagent that induces endocytosis, Endo-Porter. *Academic Leadership Journal in Student Research*. In revision.

Erkenbrack, E., Ako-Asare, K.\*, Miller, E.\*, Tekelenburg, S.\*, Jeffrey Thompson, and Romano, L. (2016) Ancestral state reconstruction by comparative analysis of a GRN kernel operating in echinoderms. *Development, Genes, and Evolution*. **226**, 37-45. *(This article selected by the Editor-in-Chief as the Highlight Article featured on the Facebook page for Springer Publishing)!*

Romano, L. (2014) Discussing the Human Life Cycle with Senior Citizens as a Service-Learning Project in an Undergraduate Developmental Biology Course. *Science Education and Civic Engagement*. **6(2)**, 26-29.

Walters, J.L.\*, Binkley, E.M.\*, Haygood, R. and Romano, L.A. (2008) Evolutionary analysis of the cis-regulatory region of *SM50* in stronglycentrotid sea urchins. *Developmental Biology* **315**, 567 – 578.

Romano, L.A. and Wray, G.A. (2006) Endo16 is required for gastrulation in the sea urchin *Lytechinus variegatus*. *Development Growth and Differentiation* **48**, 487 – 497.

Romano, L.A., and Wray, G.A. (2003) Conservation of *endo16* expression in sea urchins despite evolutionary divergence in both *cis* and *trans*-acting components of transcriptional regulation. *Development* **130**, 4187 – 4199.

Wray, G.A., Hahn, M., Abouheif, E., Balhoff, J., Pizer, M., Rockman, M.V., and Romano, L.A. (2003) Evolution of eukaryotic transcription. *Molecular Biology and Evolution* **20**, 1377 – 1419.

Romano, L.A., and Runyan, R.B. (2000) Slug is an essential target of TGFβ2 signaling in the developing chicken heart. *Developmental Biology* **223**, 91 – 102.

Romano, L.A., and Runyan, R.B. (1999) Slug is a mediator of epithelial-mesenchymal cell transformation in the developing chicken heart. *Developmental Biology*. **212**, 243 – 254.

Runyan, R.B., Wendler, C.C., Romano, L.A., Boyer, A.S., Dagle, J.M., and Weeks, D.L. (1999) Utilization of antisense oligodeoxynucleotides with embryonic tissues in culture. *Methods*, **18(3)**, 316 – 321.

#### **INVITED SEMINARS:**

“The molecular basis of diversity: ongoing work to study the evolution of developmental mechanisms in sea urchins” presented to the Department of Biology, College of William and Mary, October 2014.

“The molecular basis of diversity: insight from studying the evolution of developmental mechanisms in the sea urchin” presented to the Department of Biology, Ohio Wesleyan University, December 2008.

“The evolution of diversity: insight from the sea urchin” presented to the Department of Biology, Kenyon College, January 2008.

“The developmental basis of morphological diversity: functional analysis of evolutionary changes in the *endo16* promoter of sea urchins” presented to the Department of Biology, Denison University, December 2002.

“The developmental basis of morphological diversity: functional analysis of evolutionary changes in the *endo16* promoter of sea urchins” presented to the Marine Biological Station, University of Tohoku (Japan), March 2002.

“The developmental basis of morphological diversity: functional analysis of evolutionary changes in the *endo16* promoter of sea urchins” presented to the Department of Biology, College of William and Mary in Virginia, February 2002.

#### **OTHER SEMINARS:**

“Incorporating visits to an art museum into my biology courses” presented in the Center for Teaching and Learning, Denison University, February 2017. [rescheduled]

“A brief update on my work related to the molecular basis of diversity” presented to the Department of Biology, Denison University, January 2015.

“The evolution of diversity: insight from the sea urchin” presented to the Department of Biology, Denison University, September 2008, 2009.

“The evolution of diversity: insight from the sea urchin” presented to the Denison Scientific Association, Denison University, April 2007.

“The molecular basis of diversity: evolutionary analysis of genes that regulate the development of the larval skeleton in sea urchins” presented to the Department of Biology, Denison University, October 2006.

“Poodles versus pitbulls: insight into the molecular basis of diversity” presented to the Tuesday Lunch Series, Denison University, March 2005.

“The molecular basis of morphological diversity: evolutionary analysis of genes that regulate the development of the larval skeleton in sea urchins” presented to the Department of Biology, Denison University, November 2004.

#### **CONFERENCE PRESENTATIONS:**

(\* denotes undergraduate student; **bold** denotes peer-reviewed abstract)

Nguyen, T.\*, Debevec, A.\*, and Romano, L. (2022) Exploring differences in vulnerability among snail species with regard to how critical stages of early embryogenesis are impacted by changes in the environment. Society for Integrative and Comparative Biology, Phoenix, AZ. (**poster presentation**) ACCEPTED.

Ji, K.\*, Dweh, S.\*, Wong, M.\*, Ziegenfus, C.\*, and Romano, L. (2022) Exploring differences in vulnerability among sea urchin species with regard to how critical stages of early embryogenesis are impacted by changes in the environment. Society for Integrative and Comparative Biology, Phoenix, AZ. (**poster presentation**) ACCEPTED

Romano, L. (2020) Incorporating metacognition into a biology course to improve student learning. Society for Developmental Biology Meeting, Chicago, IL. **(poster presentation)**

Romano, L., Broady, C.\*, Ji, K.\*, Madar, M.\*, Scoggins, N.\*, and Wong, M.\* (2020) Comparative analysis of developmental mechanisms and their plasticity with regard to changes in the environment: derived species versus the pencil urchin, *Eucidaris tribuloides*. Society for Integrative and Comparative Biology, Austin, TX. **(poster presentation)**

Romano, L., Madar, M.\*, and Scoggins, N.\* (2018) Ongoing work to characterize genes involved in the ingression of skeletogenic cells during embryonic development of the primitive sea urchin, *Eucidaris tribuloides*. Society for Developmental Biology Regional Meeting, Cleveland, OH. **(poster presentation)**

Romano, L. (2017) Using art as an interactive approach to encourage four-dimensional thinking and facilitate visualization of biological processes. Developmental Biology of the Sea Urchin Meeting, Woods Hole, MA. **(invited oral presentation)**

Benson, K.\*, Geslewitz, K.\*, and Romano, L. (2016) Characterization of snail expression in the primitive pencil urchin, *Eucidaris tribuloides*. Society for Integrative and Comparative Biology Meeting, Portland, OR. **(poster presentation)**

Palmquist, A.\*, Paule, M.\*, and Romano, L. (2014) Isolation of *snail* and *twist* from the pencil urchin to gain insight into the heterochronic shift in the ingression of skeletogenic mesenchyme during echinoid evolution. Society for Integrative and Comparative Biology Meeting, Austin, TX. **(poster presentation)**

Clark, M.\*, Thompson, E.\*, and Romano, L. (2012) A novel approach to deliver morpholino oligonucleotides into sea urchin eggs. Developmental Biology of the Sea Urchin Meeting, Woods Hole, MA. **(poster presentation)**

Miller, E.\*, Moore, D.\*, Orłowski, S.\*, Tekelenburg, S.\*, Erkenbrack, E., and Romano, L. (2011) Isolation and characterization of genes associated with formation of the larval skeleton in the pencil urchin, *Eucidaris tribuloides*. Developmental Biology of the Sea Urchin Meeting, Woods Hole, MA. **(poster presentation)**

Byrum, C., Ingersoll, E., Kiyomoto, M., Morris, R., Romano, L., and Sweet, H. (2011) Using databases in the classroom. Developmental Biology of the Sea Urchin Meeting, Woods Hole, MA. **(invited oral presentation)**

Miller, E.\*, Moore, D.\*, Orłowski, S.\*, Tekelenburg, S.\*, and Romano, L. (2011) Isolation of genes required for the ingression, patterning, and differentiation of cells that give rise to the larval skeleton in the pencil urchin, *Eucidaris tribuloides*. Society for Integrative and Comparative Biology Meeting, Salt Lake City, UT. **(poster presentation)**

Orlowski, S.\*, Murch, C.\*, Binkley, E. \*, and Romano, L. A. (2009) Comparative analysis of *SM50* and other genes required for development of the larval skeleton in sea urchins. Developmental Biology of the Sea Urchin Meeting, Woods Hole, MA. **(poster presentation)**

Romano, L. A. (2009) Careers in undergraduate teaching and research: rewards and challenges. Developmental Biology of the Sea Urchin Meeting, Woods Hole, MA. **(panel discussion)**

Romano, L. A. (2009) A semester-long project related to the evolution of developmental mechanisms: exploring the benefits for undergraduate students at a small liberal arts institution. Society for Developmental Biology Meeting, San Francisco, CA. **(poster presentation)**

Orlowski, S.\*, Murch, C.\*, Binkley, E. \*, and Romano, L. A. (2009) Comparative analysis of *SM50* and other genes required for development of the larval skeleton in sea urchins. Society for Developmental Biology Meeting, San Francisco, CA. **(poster presentation)**

Romano, L. A. (2008) Use of the sea urchin and its genome at a primarily undergraduate institution (PUI). Developmental Biology of the Sea Urchin Meeting, Woods Hole, MA. **(oral presentation)**

Walters, J. L. \*, Binkley, E. M. \*, Thaman, K. \*, and Romano, L. A. (2006) Evolutionary analysis of the cis-regulatory region of *SM50*, a gene that is essential for development of the larval skeleton. Developmental Biology of the Sea Urchin Meeting, Woods Hole, MA. **(poster presentation)**

Walters, J. L. \*, Binkley, E. M. \*, Haygood, R., and Romano, L. A. (2006) Evolutionary analysis of the cis-regulatory region of *SM50*, a gene that is essential for skeletogenesis in the sea urchin. Society for Developmental Biology Meeting, Ann Arbor, MI. **(poster presentation)**

Cannon, L. E. \*, Kiehl, N. I. \*, and Romano, L. A. (2005) Preliminary work for investigating the evolution of transcriptional regulation of spicule matrix genes in the sea urchin. Developmental Biology of the Sea Urchin Meeting, Woods Hole, MA. **(poster presentation)**

Romano, L. A., and Wray, G. A. (2004) Antisense morpholinos directed against *LvEndo16* disrupt morphogenesis in the sea urchin embryo. Mid-Atlantic Regional Developmental Biology Conference. **(poster presentation)**

Romano, L. A., and Wray, G. A. (2003) Antisense morpholinos directed against *LvEndo16* disrupt morphogenesis in the sea urchin embryo. Developmental Biology of the Sea Urchin Meeting, Woods Hole, MA. **(poster presentation)**

Romano, L. A., and Wray, G. A. (2002) Functional analysis of evolutionary changes in the *endo16* promoter of sea urchins. Developmental Biology of the Sea Urchin Meeting, Woods Hole, MA. **(poster presentation)**

Romano, L. A., and Wray, G. A. (2002) Endo16 is required for morphogenesis in *Lytechinus variegatus*. Developmental Biology of the Sea Urchin Meeting, Woods Hole, MA. **(poster presentation)**

Romano, L. A. and Wray, G. A. (2000) Evolution of *endo16* promoter structure and function. Developmental Biology of the Sea Urchin Meeting, Woods Hole, MA. **(oral presentation)**

Romano, L. A. and Runyan, R. B. (2000) Slug is an essential target of TGF $\beta$ 2 signaling in the developing chicken heart. Weinstein Cardiovascular Development Conference, St. Louis, MO. (oral presentation)

Runyan, R. B., Wendler, C. C., Romano, L. A., and Boyer, A. S. (2000) Epithelial-mesenchymal cell transformation is a multi-step process in the atrioventricular canal. Society for Experimental Biology. San Francisco, CA. *FASEB J.* **14(4)**, A272. **(oral presentation)**

Romano, L. A. and Runyan, R. B. (1999) Slug is a mediator of epithelial-mesenchymal cell transformation in the developing chicken heart. Weinstein Cardiovascular Development Conference, Tucson, AZ. (poster presentation)

Romano, L. A. and Runyan, R. B. (1998) The transcription factor Slug plays a role in the epithelial-mesenchymal cell transformation which occurs in the developing heart. Society for Experimental Biology. San Francisco, CA. *FASEB Journal.* **12(4)**, A46. **(oral presentation)**

Romano, L. A. and Runyan, R. B. (1998) The transcription factor Slug plays a role in the epithelial-mesenchymal cell transformation which occurs in the developing heart. Scientific Sessions of the Arizona Heart Association (Arizona Affiliate), Phoenix, AZ. (poster presentation)

Romano, L. A. and Runyan, R. B. (1998) The transcription factor Slug plays a role in the epithelial-mesenchymal cell transformation which occurs in the developing heart. Weinstein Cardiovascular Development Conference, Nashville, TN. (poster presentation)

Romano, L. A. and Runyan, R. B. (1997) U-Pa is a marker of epithelial-mesenchymal cell transformation in vitro. Flinn Foundation Meeting, Phoenix, AZ. (poster presentation)

Romano, L. A. and Runyan, R. B. (1996) U-Pa is a marker of epithelial-mesenchymal cell transformation in vitro. Weinstein Cardiovascular Development Conference, Philadelphia, PA. (poster presentation)

Romano, L. A. and Runyan, R. B. (1996) U-Pa is a marker of epithelial-mesenchymal cell transformation in vitro. Scientific Sessions of the American Heart Association (Arizona Affiliate), Phoenix, AZ. (poster presentation)

Romano, L. A. and Fashing, N. J. (1993) The functional morphology of the chelicerae of six species of algophagid mites. Eastern Branch of the Entomological Society of America, Williamsburg, VA. (poster presentation)