

Debbie DeRoma

Email: dderoma@gmail.org

Education

San Diego State University, San Diego CA

- Master of Arts in Education , December 2006
- 20+ units in graduate level biology courses

San Diego State University, San Diego CA

- Master of Arts in Educational Technology, In progress

Arizona State University, Tempe, AZ

- B.S. in Biology, December 1999
- Graduated Cum Laude

Appointments

June 2005-Present. Reuben H. Fleet Science Center

Education Director

- Develop curricula and related materials for school workshops and outreach programs that are aligned with the California State Standards for science and other disciplines.
- Create curricula and activities for youth programs, camps, community events and other public programs.
- Oversee the curriculum and protocols for the School in the Park program.
- Develop and present teacher professional development programs.
- Hire and supervise all education staff.
- Write science education articles for local publications.
- Assist with grant proposals, prepare budgets, attend board meetings, and other administrative duties.

Sept. 2002 –June 2005. PISCES Project, San Diego State University

Special Projects Manager

- Team-teach science lessons in elementary classrooms throughout San Diego County.
- Develop physical science, life science, and earth science lessons that are in compliance with California State Standards.
- Create and evaluate an online science curriculum using near-real-time data.
- Write grant proposals and research other funding opportunities.
- Coordinate the hiring of graduate and undergraduate students and oversee their performance in outreach and research programs.
- Organize summer camps and other community outreach programs. Develop budgets, action plans and marketing materials associated with the programs.

Dec. 2000 – July 2002. University of California, San Diego

Staff Research Assistant/Lab Manager

- Maintain *Drosophila* fly stocks
- Perform DNA and RNA analysis
- Maintain lab inventories and supplies, and communicate with vendors
- Hire, supervise, and train undergraduate lab assistants

Jan. 1999 – Sept. 2000. Social Insect Research Lab, Arizona State University

Research Assistant

- Extract and amplify DNA from harvester ants and honey bees

- Conduct behavioral observations on harvester ants and honey bees

Publications

Julian, Glennis, E. Fewell, Jennifer H., Gadau, Juergen, Johnson, Robert A., Larrabee (DeRoma), Debbie. Genetic determination of the queen caste in an ant hybrid zone. *Proceedings of the National Academy of Sciences of the United States of America* 99 (12): 8157-8160.

Selected Presentations

Levedahl, K., DeRoma, D., Hoffstadt, R., Foster, S., Havel, E., Geschwind, L. (2009). Engaging Museum Audiences with Climate Change Science. *Presentation at the Association of Science and Technology Centers Annual Conference.*

DeRoma, D., Ross, D., Trecha, C. (2009). From Native Plants to Punnett Squares: Increasing Inquiry in Biology. *Presentation at the California Science Teachers Association Annual Conference.*

DeRoma, D., Ross, D. (2008). Superhero Genetics. *Presentation at the California Science Teachers Association Annual Conference.*

DeRoma, D., Ross, D. (2008). Superhero Genetics. *Presentation at the California Science Teachers Association Annual Conference.*

DeRoma, D., Ross, D. (2007). Blending Science, Math, and Literacy: A Collaborative Exhibit Design Project. *Presentation at the California Science Teachers Association Annual Conference.*

Deedrick, R., DeRoma, D., McCreedy, D., Burnett, J., Stancil, J. 2007. Girl Talk: Conversations about Programming for the Young Female Audience. *Presentation at the Association of Science and Technology Centers Annual Conference.*

DeRoma, D., Ross, D. (2007). Powerful Forces: Blending Science, Math, and Literacy in a Collaborative Exhibit Design Project. *Presentation at the National Science Teachers Association Annual Conference.*

DeRoma, D., Ross, D. (2006). A Scientific Approach to Global Awareness: Integrating Climate Change Research into K-6 Classrooms. *Presentation at the Association for Science Teacher Education Annual Conference.*

DeRoma, D., Davis, K., Ross, D. (2006). Classroom Connections: Integrating Near-Real-Time Global Climate Change Research into K-6 Science Programs in San Diego, Alaska, and Mexico. *Presentation at the National Science Teachers Association Annual Conference.*

DeRoma, D., Ross, D. Make Science a Family Affair. (2005). *Presentation at the California Science Teachers Association Annual Conference.*

Synergistic Activities

- Professional memberships: NSTA (National Science Teachers Association), CSTA (California Science Teachers Association), ASTE (Association for Science Teacher Educators), SDSEA (San Diego Science Educators Association), MESCS (Museum Educators of Southern California)