

CURRICULUM VITAE
ADRIANA ELBIA AQUINO

AMERICAN MUSEUM OF NATURAL HISTORY

Department of Education and Department of Ichthyology

Central Park W at 79th St., New York, NY 10024

E-mail: aquino@amnh.org

Voice: (212)-313-7793

EDUCATION

Doctorate in Natural Sciences, Universidad Nacional de La Plata (Argentina), 1994.

Licenciatura in Biological Sciences (Zoology) Universidad Nacional de Tucumán (Argentina), 1990.

CURRENT POSITION

Since 2001 – Senior Science Content Specialist (Gottesman Center for Science Teaching and Learning, Department of Education, American Museum of Natural History)

Since 2002 – Resident Research Associate – Dept. Ichthyology, Division Vertebrate Zoology, American Museum of Natural History.

SELECTED SCIENTIFIC PUBLICATIONS

In press. Aquino, A.E. and S.A. Schaefer. Systematics of *Hypoptopoma* (Hypoptopomatinae, Loricariidae, Siluriformes). In *Bulletin of the American Museum of Natural History*.

2002 Aquino, A.E. and S.A. Schaefer. Structural diversity of the temporal region of catfishes: convergence in functional integration of sensory systems. *Zoologischer Anzeiger* 241:223-244

2002 Aquino, A.E. and S.A. Schaefer. Revision of *Oxyropsis* Eigenmann & Eigenmann, 1889 (Siluriformes, Loricariidae). *Copeia*, 2002(2): 374-390.

2001 Aquino, A.E. and M.A. Miquelarena. Redescription of *Hypoptopoma inexpectata*, with notes on its anatomy (Siluriformes: Loricariidae). *Physis, Secc. B*, 58:134-135.

2001 Aquino, A.E., S.A. Schaefer, and M.A. Miquelarena. A new species of *Hisonotus* (Siluriformes, Loricariidae), of the upper Rio Uruguay Basin. *American Novitates* no. 3333: 1-12.

2000 Schaefer, S. A. and A. E. Aquino. The postotic laterosensory canal pterotic branch homology in catfishes. *Journal of Morphology* 246: 213-227

GRADUATE COURSES (Taught at AMNH and online)

Since 2006 – “Explorations of Nature”. Science course taught with Dr. Kanwal Singh (SCIE510; Bank Street College of Education at AMNH) (taught at AMNH)

Since 2005 – (Co-authored with Dr. Rondi Davies; faculty) “*Seminars on Science: Ocean Systems*” (AMNH distance learning).

Since 2001 – (Co-authored with Dr. Melanie Stiassny; faculty) “*Seminars on Science: Diversity of Fishes*” (AMNH distance learning).

Since 2001 – (Fall/Spring; faculty) Museum Resources for Teaching Life, Earth, and Space sciences (ESC 767.01 – Lehman College, CUNY– taught at AMNH)

2008 – (Faculty) “*Seminars on Science: Evolution*” (AMNH distance learning)

2002 – 2005 (Faculty) *General Science* (SCI 603; Brooklyn College, CUNY – at AMNH) (taught at AMNH)

2002 – 2005 (Faculty) *Science Instruction beyond the Classroom* (716.25T; Brooklyn College, CUNY – at AMNH) (taught at AMNH)

2003 - (Faculty) Life Sciences for Elementary/Middle School Educators (SCI 7501N - CUNY - American Museum of Natural History) (taught at AMNH)

1992 – 1997 (Teaching Assistant) *Ichthyology* (Universidad Nacional de La Plata, Argentina)

UNDERGRADUATE COURSES

2006 – 2007 (Adjunct Professor) *Topic: Darwin’s Dangerous Idea* (ENV 22396 – Pace University, Faculty of Environmental Studies, Department of Philosophy and Religious Studies)

2005 – 2007 (Adjunct Professor) *Junior Year Research Seminar* (ENV 83397 – Pace University, Faculty of Environmental Studies, Department of Philosophy and Religious Studies)

2004 – 2007 (Adjunct Professor) *Nature and Culture: A Study of Connection* (ENV 110 – Pace University, Faculty of Environmental Studies, Department of Philosophy and Religious Studies)

2004 – 2005 (Fall; adjunct) *The Biological World* (BIO 110 – Pace University, Faculty of Biology and Health Sciences)

1992 – 1997 (Teaching Assistant) *Ichthyology* (Universidad Nacional de La Plata, Argentina)

1985 – 1988 (Student Teaching Assistant) *Entomology* (Universidad Nacional de Tucumán, Argentina)

SELECTED INSTITUTES at AMNH (organizer and faculty)

2009- Curriculum Topic Study on Biological Evolution (CTS). One-week workshop for K-12 teachers.

2007 – 2008 *TRUST on Biodiversity and Evolution* (Trust: Teacher Renewal for Urban Science Teaching) - Two-week institute for teachers and pre-service teachers through a partnership with Brooklyn, Hunter, and Lehman colleges (CUNY).

2006 – 2008 *Tree of Life* Institute. Summer institute on “Systematics,” open to Middle and High School teachers and High School students attending AMNH High School Students Research Program. The institute is offered as part of the broader impacts of a NSF grant (PI, Ward Wheeler).

2002 – 2006 *Educators’ Summer Institute on Integrated Sciences* (AMNH).

2000 – 2002 *Institute of Biodiversity*. A two-week institute within the frame of the Leadership Program for Teachers (Woodrow Wilson National Fellowship Foundation).

SELECTED WORKSHOPS (CONFERENCES AND PD PROGRAMS)

2007 *Art and Science in a Museum Program for Teachers*. Poster presented at the National Association for Research in Science Teaching (NARST) (New Orleans, March 2007) [In collaboration with Dr. Maritza MacDonald].

- 2006 *Marine Science Initiatives in NYC Department of Education: Scope and Sequence, Aquaculture, Urban Advantage, and NOAA programs for ELL Students*. Workshop presented at the National Marine Educators Association (NMEA) (New York City, July 17 2006) [in collaboration with Dr. Julia Rankin, Director of Science of the NYC Department of Education].
- 2006 *A Fish is a Fish*. Workshop presented in the Professional Development day “Search for the Scope and Sequence at the Museum” (30-31 March), organized for Early Childhood teachers from Region 10, NYC-DOE
- 2004 *Plankton: Wanderers of the Ocean*. Workshop presented at the 2004 “New York State Marine Education Association” (NYSMEA) conference, Southampton, NY, June, 2004
- 2003 *The Triumph of the Smallest*. Workshop on plankton developed in the frame of a Professional Development Program funded by the Eisenhower Foundation (in collaboration with Lisa Breslof) [at AMNH]
- 2003 *The Diversity of Fishes*. Workshop presented at the 2003 “New York State Marine Education Association” (NYSMEA) conference, Southampton, NY, May 31, 2003.
- 2003 *Science Education Resources and Programs from the American Museum of Natural History*. Exhibitor Workshop presented at the National Science Teacher's Association (NSTA) national conference, Philadelphia, PA, March 30, 2003 (In collaboration with S. Brodbar, M. Broom, and J. Yoo).
- 2003 Milstein Hall of Ocean Life. Introduction to the hall oriented to the Parents' Club, a group formed by the Spanish-speaker parents of the children attending the AMNH SCIENCE AND NATURE PROGRAM FOR YOUNG CHILDREN, May 30, 2003 [at AMNH]
http://www.amnh.org/education/child_youth_fam/scinature.html
- 2002-2003 *Professional Development Programs at AMNH*: Presentation at the Science Teachers Environmental Education Program (STEEP), organized by the Center for Environmental Research and Conservation (CERC), Columbia University.
- 2002 - *Scientist? Detective? Historian? Geographer? Systematist Skills*. Workshop presented at the National Science Teacher's Association (NSTA) national conference, San Diego, CA, March, 2002 (In collaboration with J. Adams)
- 2002 - *K-12: The Work of Scientists at The American Museum of Natural History and Museum Resources and Programs for Educators*. Workshop presented at the Science Teacher Association of New York State (STANYS) annual conference. Westchester, NY, April, 2002 (In collaboration with L. Bertan).
- 2002 – *AMNH Seminars on Science* –Presentation at the Association of Science – Technology Centers (ASTC) Annual Conference, Charlotte, North Carolina, October, 2002 (In collaboration with colleagues of the AMNH National Center for Science Literacy, Education and Technology, NCSLET).

SELECTED K-12 PRESENTATIONS

- 2010 – Guest speaker in the AMNH Nature and Science Program (5th grade students)
- 2008-2009 – Scientist interacting with 6th grade students participating in the English Language Earth Science Initiative. This represented the education component of the NOAA grant Cloud Digital Visualizations.
- 2007 – Guest speaker at the Career’s Day at Bea Fuller Rodger Intermediate School 528.
- 2006 – 2008 Guest speaker at the Career’s Day at PS 311 Amistad Dual Language School (NYC)

- 2006 - Guest speaker at the MST Symposium (career's day) for 5th grades (Region 10, NYC) held at St. John's University (Queens, NY; May 19 2006)). Presentation of the workshop "What makes a fish a fish"
- 2006 – Organizer and educator of the program "Marine Science in New York", a series of ten assemblies designed for 5th grade students from public schools from the NYC system (650 students). This initiative, collaboration between AMNH, NOAA-Dept. of Commerce– and NYCDOE-ELL, had as main objective enhance marine science literacy, especially in the Especial Language Learners population.
- 2004 – 2007 Organizer and educator of the series "Introduction to science and museum resources", for HS students from public schools from the NYC system, an initiative of the Faculty of Biology of Hunter College (Howard Hughes grant).
- 2005 – 2006 Guest speaker at AMNH Museum Education and Employment Program (MEEP).
- 2004 – 2006 Guest speaker at AMNH Summer and Winter Camp Programs (6-10 years old)
- 2004 – 2006 Guest speaker at AMNH Saltz Expedition Center Summer Internship Program (High School Seniors).
- 2004 – Guest speaker at the Sonia Kovalevski Day, at St. John's University (Seniors High School female students). <http://www.awm-math.org/newsletter/199909/Skhs.html>
- 2003-2004 and 2008 – Mentor of High School Interns of the High School Science Research Program (AMNH)
- 2002-2004 Guest speaker at the AMNH Nature and Science program (3-8 years old children).
- 2001-2002 and 2006-2007. Guest speaker at AMNH Lang program (Middle-school students)

LECTURES

- 2007 – "*The Missing Link*". Guest speaker in the series "The Mysteries of Science", 2007 Humanities Program of the 92nd Street Y, New York.
- 2006 – "*Evolution*". Guest speaker in the series "The Mysteries of Science", 2006 Humanities Program of the 92nd Street Y, New York.

ACTIVITY AS SCIENTIFIC CONSULTANT

- 2009 – Reviewer of *The World Almanac for Kids*, a puzzler deck on Ocean Science (Chronicle Books).
- 2009 – Reviewer of the documents for the OLogy Branded Limnology field kit
- 2006 – Scientific Consultant for a grade K1-6 science text book series (National and California version). This is an on-going project in collaboration between AMNH (National Center for Science, Literacy, Education and Technology) and the publisher company MacMillan/McGraw Hill.
- 2005 – Senior Science Editor in the IMAX film "Wired to Win" (www.wiredtowinthemovie.com) – The work included the design of Website for educators, Teacher's Guide, Brochure for Educators, three posters (elementary, middle, and high school), brochure for young adults. The theme of the film is the brain and other areas of neurobiology. The film won the 2006 Distinguished Achievement Awards in the categories -- informational web site (young adult) and curriculum package (children) at the AEP (Association of Educational Publishers) Awards. It is also a finalist in the 2006 Giant Screen Cinema Association Film Award competition in all categories (except Hollywood feature films).
- 2003 – "Resource person" as science content specialist at Bank Street College of Education, New York (See Partnerships section)

- 2003 – Content specialist in the preparation of all resource materials (magazine, teachers’ guides, and online website) related to the re-opening of the Milstein Family Hall of Ocean Life (AMNH), by the National Center for Science, Literacy, Technology and Education.
<http://www.ology.amnh.org/marinebiology/index.html>
- 2003 – Content specialist in the conceptual design and development of activities of the Saltz Family Carts for the Milstein Hall of Ocean Life (HOL-AMNH).
- 2003 – Introduction of the Milstein Hall of Ocean Life (HOL-AMNH) during the morning news program of Channel 41 (New York). June 13, 2003.
- 2001 – 2002. Content specialist in the design of the teachers’ guides for the Hall of Human Biology and Evolution (AMNH) and Rose Center (The search for life – Are we alone?) (AMNH).
- 2000 – 2001. Collaboration in the design of the section on cladistics of the Discovery Room (AMNH).
http://www.amnh.org/kids/disco_room/index.html?src=k_dr

FEATURED SCIENTIST IN PUBLICATIONS FOR CHILDREN AND TEACHERS

- 2005 – Featured scientist in the section “Meet the Scientist” of a grade 1-6 science text book series. This is an on-going project in collaboration between AMNH (National Center for Science, Literacy, Education and Technology) and the publisher company MacMillan/McGraw Hill (version designed for special US states).
- 2005 – Featured scientist in the book “Go Fish. All about fins, gills, scales, and more”, by Adrienne Mason, published by Scholastic Inc. and Disney – Pixar “Finding Nemo” (Undersea School Series).
- 2003 – Featured scientist in the magazine “Living Oceans”, accompanying material of the Milstein Hall of Ocean Life at AMNH (edited by AMNH-NSCLET)
- 2001 – Featured scientist in the Winter 2001 number of Musing, an online newsletter for educators.
http://www.amnh.org/learn/musings/WI01/h_pf.htm

PARTICIPATION IN PANELS AND ROUND TABLES

- 2009 – Panel on Environmental Ethics, part of a Series of Discussions on Environmental Issues at the Honors College at Pace University (New York).
- 2005 – Discussion group to work on the preparation of a sustainable development education curriculum. The discussions (a series of 6) were led by Dr. Noel Brown (former director of the United Nations Environmental Program) as part of his activities as visiting scholar in The Pace Institute for Environmental and Regional Studies (PIERS) of Pace University, New York.
- 2004 – Invited scientist for the May Convergence of the AMNH Inquiry Network and NYCBOE -
<http://www.amnh.org/learn/musings/network/index.php>
2002. Roundtable on New York State Regents Exams. Organized by Performance Standard Consortium. October, 2002