CURRICULUM VITAE
FRANK LABANCA

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Newtown High School Science Department
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Education:

B.S., University of Connecticut, 1994: Molecular and Cell Biology, concentrations in: Genetics and Computer Science
M.S., University of Bridgeport**,** 1995, Science Education, CT Certification: Biology (030), General Science (034)
Ed. D., Western Connecticut State University, expected 2008, Instructional Leadership,
CT Intermediate Supervisor/Administrator (092) expected Fall 2007
Continuing Education: courses in coastal ecology/management, analytical chemistry, molecular biology

Professional Experience:

2003-present	**Teacher**, Newtown High School, Sandy Hook, CT: College Preparatory and Honors Biology, Applied Science Research Program Director, Senior Project, District K-12 Science Curriculum Committee
2002-present	**Long Island Sound Mentor Teacher**, Connecticut SEA Grant, Groton, CT
2005	**Graduate Assistant**, Western Connecticut State University, Danbury, CT: Quantitative Statistical Methods Applied to Educational Research
2002-2004	**Adjunct**, University of Bridgeport, Stamford and Bridgeport, CT: Introductory Biology
1995-2003	**Teacher**, Stamford High School, Stamford, CT: General, College Preparatory, Honors, Marine, and Advanced Placement Biology, Science Research Director
2002	**Teacher**, Sacred Heart University, Project S.E.E.K. (Science Exploration and Enrichment for Kids), Elementary and Middle School Summer Science Camp, Fairfield, CT
2000-2001	**Biotechnology Consultant**, Weston Public Schools, Weston, CT
1998-2001	Field Consultant, B.S.C.S. Biological Science Curriculum Study, Colorado Springs, CO
1996-1998	**Biology Coordinator**, UConn-KAST, "Kids are Scientists Too" Middle School Summer Science Camp, Storrs, CT
1993-1997	**Research Associate**, Berg Bacterial Genetics Laboratory, Storrs, CT

Professional Affiliations:

National Science Teachers Association, Editorial Board, *The Science Teacher* Journal (2000-2002)
Connecticut Science Teachers Association
Connecticut Junior Science and Humanities Symposium Executive Board
Connecticut Science Fair Advisory Board
Connecticut Academy for Education Fellow
Science Independent Study Steering Committee, State of Connecticut Department of Education
Education Connection (RESC) Connecticut Pathways to Innovation
Newtown/Connecticut/American Federation of Teachers

Publications:

LaBanca, F. & Mosley E. 2006. The Stockholm Junior Water Prize: students conducting authentic water quality research projects. *The Science Teacher* (submitted for review).

LaBanca, F. 2005. Using Long Island Sound's Great Meadows Marsh as a field sight to conduct applied science research projects. Abstract/Platform. 33rd Northeast Regional Meeting of the American Chemical Society. 102.

LaBanca, F. 2005. Fishing for data in Long Island Sound salt marshes. *Connecticut Journal of Science Education* 42(2):59-63.

LaBanca, F. 2004. The area of an irregular object. *The Science Teacher* **71**(5):60.

LaBanca, F. 2001. A view from the field. Inform concerned citizens [about evolution]. *The Natural Selection.*

LaBanca, F. 2000. When the mice die . . . scientific honesty and integrity. Letter to the Editor. *American Biology Teacher* **62**(6):404-405.

Sala, M. and F. LaBanca. 1999. The effects of hypoxia on the marine ecosystem of Long Island Sound. *Connecticut Journal of Science Education* **37**(1):13-15.

LaBanca, F., and C.M. Berg. 1998. A time-efficient and user-friendly method for plasmid DNA restriction analysis. *American*

Berg, C.M., S. Rooney, X. Liu, F. LaBanca, S. Pickett, X. Jin, and V.L. Singer. 1996. Effects of SYBR®Green I Stain on electrophoretic mobility of supercoiled and open circular DNA. Abstract/Poster 96th Annual Meeting American Society for Microbiology. H-7.

LaBanca, F., E. Krasnickas, J-S. Yu, K.M. Noll, and C.M. Berg. 1996. Drop-out restriction mapping: Using nested deletions and single restriction enzyme digestions to obtain high-resolution cosmid maps. *American Biotechnology Laboratory* **14** (3): 96-97.

LaBanca, F., B.R. Krishnan, D.D. Chaplin, D.E. Berg, and C.M. Berg. 1995. Restriction Map of a 35-kb *HLA* fragment by nested deletion "drop-out" mapping. *Gene* **164**:335-339.

Berg, C.M., F. LaBanca, A. Carlo, K. Noll, E. Krasnickas, J. Yu, and D.E. Berg. 1994. Drop-out restriction mapping using pDUAL cosmid cloning vectors. Abstract/Poster Hilton Head Genome Sequencing and Analysis Conference Meeting VI. A-31.

Berg, C.M., P. Karlovsky, F. LaBanca, X. Xu, G. Wang, and D.E. Berg. 1994. Restriction map construction and DNA sequencing using pDUAL "deletion factory" cosmid cloning vectors. Abstract/Poster 94th Annual Meeting of the American Society for Microbiology. H-131.

Professional Accomplishments

Who's Who in America, 62nd edition, 2008
Who's Who Among American Teachers, 10th edition, 2006
eSchool News Classroom Blog 1st place nationally, 2006
Teachers' Insurance Plan Teacher of the Year, 2005
Best Buy Foundation te@ch Grant Recipient, 2004, 2005, 2006
National Education Association Foundation Innovation Grant Recipient, 2003-2004
National Association of Biology Teachers Connecticut Outstanding Biology Teacher Finalist (1 of 4), 2004
Connecticut Education Association Teacher of the Year Finalist (1 of 5), 2003
Intel International Science and Engineering Fair State of Connecticut Lead Teacher, 2003
New York Science and Engineering Expo, New York Academy of Science Chair Judge, 2002-2004
Connecticut Science Fair Board of Directors Outstanding Teacher of Science Fair Students, 2003
Stamford Chamber of Commerce "Kids Our Future Trust Fund." Grant Recipient, 2000, 2001, 2003
Stamford Public Schools Spotlight on Teachers Award, 2002
Subaru National Science Teaching Award Honor Roll, 2001
RadioShack National Teaching Award for Excellence in Mathematics, Science, and Technology, 2000
Estuary Watch Program, University of Connecticut Special Recognition Award, 2000
GTE G.I.F.T. (Growth Initiatives for Teachers) Fellow, 1999-2000
Microsoft® Lesson Plan Contest 3rd place nationally, 1998

Presentations/Platforms/Professional Development Workshops:

Teaching strategies for student research projects, Pathways to Innovation Institute, Education Connection, Summer 2006
A model for open-inquiry research projects, WISTR – WestConn Institute for Science Teacher Research, Summer 2006
Telling your story – promoting scientist-teacher partnerships, Connecticut Sea Grant, Fall 2005
Using blogs to promote student conceptual learning, Newtown High School & Newtown Public Schools, Fall 2005
Long Island Sound Mentor Teacher Program workshops, Spring 2004, Spring 2006
Differentiation using projects, Professional Development Day, New Fairfield High School, Spring 2005
Survivor Statistics – statistics for doctoral students workshop series, Fall 2004
Beer's Law curriculum design, Professional Development Day, Newtown High School, Fall 2004
Precollege research experiences, Southern Connecticut Chapter, American Chemical Society, Winter 2003
Using Excel in student research, Connecticut Junior Science and Humanities Symposium, March, 2003
Using probe-bases technology for data collection in the science classroom, Stamford Public Schools, Fall, 2002
Student research in the high school, Connecticut Junior Science and Humanities Symposium, March 2001 & 2000