

Queens College Tenure, Promotion Process
Professorial Titles
Candidate's Curriculum Vitae and Personal Statement
Revised 2/2/15

NAME: Gillian Stewart

COLLEGE: Queens

HIGHER EDUCATION

A. Degrees

Institution	Dates Attended	Degree/Major	Dates Conferred
Stony Brook University	2000-2005	Ph.D. Marine and Atm. Science	5/05
Stony Brook University	1999-2000	M.Phil Coastal Oceanography	9/00
Harvard University	1994-1997	B.A. Biology, Magna Cum Laude	5/97

EXPERIENCE

A. Teaching

Institution	Dates	Rank	Department
Macaulay Honors College, CUNY	2014	Instructor	BT URM STEM Course
Queens College	1/1/11 - Present	Assoc. Prof.	SEES
Queens College	9/05 - 12/10	Assist. Prof	SEES
Suffolk County Comm. College	9/03 - 5/05	Adjunct	Biology
Acadia Inst. of Oceanography	7/03 - 9/03	Field Instr.	Oceanography
Stony Brook University	9/99 - 5/01	TA	Oceanography
York Preparatory School	9/97 - 5/99	HS Teacher	Math
Harvard University	9/93 - 5/94	TA	Biology

B. Other Than Teaching

Institution	Dates	Title
Queens College	2014	Associate Dean, MNS
Macaulay Honors College CUNY	2013	BioBlitz Coordinator
UC Santa Cruz	2012	Visiting Scientist
Jamaica Bay Institute, NPS	2007	BioBlitz Coordinator
Marine Sciences Research Center	1999 – 2005	Research Assistant
Universitat Autònoma de Barcelona	2003	Visiting Scientist
UN IAEA MEL Laboratory	2002	Intern
Scripps Inst. of Oceanography	1997	Research Fellow
Harvard University	1995 – 1997	Research Assistant
Nat'l Park of Ecuador (Galapagos)	1996	Researcher, Intern
American Museum of Natural History	1996	Intern

RECORD OF APPOINTMENT IN EACH TITLE AT QUEENS COLLEGE

Dates	Rank
9/15 – Present	Full Professor
1/11 – 9/15	Associate Professor
9/10	Awarded Tenure
9/05 – 12/10	Assistant Professor

ACADEMIC AND PROFESSIONAL HONORS

2013 – Present: Elected to the Board of the Assoc. of Scientists in Limnol. And Oceanog.
 2012 – Present: Queens College representative to New York Marine Science Consortium
 2010 – Present: Appointed to Long Island Sound Study Sci. and Tech. Advisor Committee
 2006, 2007, 2008, 2010, 2011, 2012, 2013 Salute to Scholars, CUNY
 2004 – 2005 American Association of University Women Dissertation Fellowship
 1999 – 2004 Stony Brook Graduate Council Fellowship
 1999 – 2002 Dept. of Defense Nat'l Defense Sci. and Engineer. Grad. Fellowship (NDSEG)
 2004 Sigma Xi Fellowship for Educational Travel
 2004 Outstanding Student Poster Award at ASLO/TOS meeting, Honolulu HI
 2003 Tinker Field Research Grant to conduct research in Spain
 1999 – 2000 Okubo Award at MSRC, Stony Brook University
 1999 Stony Brook University Fellowship
 1997 Derek Bok Teaching award for outstanding undergraduate teaching (Harvard)
 1997 Phi Beta Kappa Society finalist (Harvard)
 1994 – 1997 Agassiz prize every semester at Harvard
 1994 – 1997 John Harvard award every semester at Harvard
 1994 – 1996 National Merit Scholar

MEMBERSHIP IN PROFESSIONAL SOCIETIES

Member of the American Geophysical Union
 Member of the Association of Scientists in Limnology and Oceanography (ASLO)
 2013-2016 Board Member of ASLO Executive Board
 Past ASLO Minority Student Mentor (ASLOMP)
 Past ASLO Early Career Committee Chair
 GEOTRACES Inter-calibration Team
 Advisory Committee for SUNY Maritime Environmental Science Program
 Past Fellow of the American Association of University Women
 Past Member of the Society of Environmental Toxicology and Chemistry (SETAC)
 Past Member of The Oceanography Society (TOS)

Past Member of the Women's Aquatic Network (WAN)

Past Junior Council member at the American Museum of Natural History

Founding Member of the Stony Brook Center for Environmental Molecular Science

Member of the Sigma Xi Honor Society

TEACHING EFFECTIVENESS STUDENT EVALUATION

(For several of the questions in sections A and B: 1=Strongly disagree, 2= Disagree, 3= Somewhat disagree, 4= Agree and 5=Strongly agree)

Question	Ensci 100	Ensci 100	Geo 383	Ensci 100
A. General Questions				
1. Did you receive a detailed syllabus during the first week of class? (1=Yes/2=No)	1.00	1.00	1.00	1.00
2. The instructor presents the course material in a clear and lucid manner (1=Strongly disagree, 5=Strongly agree)	4.47	4.50	4.50	4.20
3. The instructor interacts well with students. (1=Strongly disagree, 5=Strongly agree)	4.47	4.29	5.00	4.28
4. The instructor provides useful feedback (e.g., comments on written work and exams, informal feedback inside/outside class). (1=Strongly disagree; 5=Strongly agree)	4.40	4.29	4.50	4.00
5. The instructor returns assignments/exams in a timely fashion. (1=Strongly disagree; 5=Strongly agree)	4.53	4.50	4.50	3.84
6. The instructor is available outside of class. (1=Strongly disagree; 5=Strongly agree)	4.33	4.29	4.00	4.04
7. Reading assignments were valuable. (1=Strongly disagree; 5=Strongly agree)	3.80	4.14	3.50	3.60
8. How difficult is the course? (1= Not at all difficult, 5= Extremely difficult)	2.33	2.57	4.50	2.64
9. What is your overall evaluation of the Instructor, as distinct from the course?(1=Poor, 5= Excellent)	4.40	4.14	4.00	4.04
10. What is your overall evaluation of the Course, as distinct from the Instructor?(1=Poor, 5= Excellent))	4.00	3.93	4.00	3.80

	Course	Year/Semester	# Students Registered	# Respondents
Course 1	Ensci 100	Fall 2012	20	15
Course 2	Ensci 100	Fall 2012	20	14
Course 3	Geo 383	Fall 2013	21	2
Course 4	Ensci 100	Spring 2014	100	25

COURSES TAUGHT (generally 2 courses per term, average 200 students per term)

Ensci 799.3: Plankton Ecology (12 graduate students, MA and Ph.D), taught twice
 Ensci 100: Our Planet in the 21st Century (100-300 undergrads, non-majors, with lab), 6 times
 Geo 383: Advanced Oceanography and the Carbon Cycle (9 undergrads, 10 MA/Ph.D students) Geology
 25: Natural Resources (50 undergrad, non-major students, no lab), taught 4 times
 Geology 795.2: Independent Study (3 Ph.D. students, readings on Estuaries and Coasts)
 Ensci 799.3: Env. Biogeochem. (12 graduate students, MA and Ph.D.), taught twice
 Ensci 791.3: Independent Study (2 Ph.D students, Tracers in the Sea), taught twice
 Ensci 111: Introduction to the Environment (200 undergrad, non-majors, with lab), 5 times
 Geology 08: Intro to Oceanography (90 undergrad, non-major students, no lab), 4 times
 Ensci 799.3: Environmental Science Course Design (20 graduate students)
 Ensci 111: (team taught) Introduction to the Environment (500 students, with lab), 3 times
 HNRS 228: Science and Tech. in NYC (Macaulay Honors Sem., 20 undergrads), 3 times
 HMNS 102: Honors in Math and Nat. Sciences (4 HMNS students, professor-directed research)
 Geo 373: Long Island Sound (15 masters students, diversity students from all of CUNY)

MENTORING

I have mentored numerous High School students, many of whom have won Intel and Westinghouse awards, as well as scholarships to pursue STEM disciplines in college.

Undergraduates

2014-: Adrianna Sirinian, QC Undergrad/Macaulay (Dust experiments, plankton culturing)
 2012-: Ebrahim Afshinnekoo, QC Undergrad/Macaulay (Polonium-210 sample processing, Dust)
 2012- 2014: Victoria Tarasova, Hunter Undergrad/Macaulay (Polonium-210 sample processing)
 2012- 2013: Yevgeniy Ostravskiy, Hunter Undergrad/Macaulay (Global Inventory of ²¹⁰Po)
 2011- 2013: Amy Kirchner, QC Undergrad (Phytoplankton growth and decomposition)
 2010- 2012: Annakerina Marinos, QC Undergrad (Diatom toxicity to Copepods)
 2009- 2010: Vadim Acosta, QC Undergraduate/prospective MA student (Trace metal analysis)
 2009- 2010: Nathalie Diaz, QC Undergraduate (Lab maintenance, Fecal pellet decomposition)
 2008- 2012: Jennifer Niyrucz, CUNY Honors College student (Dust and reproduction in copepods)
 2008- 2010: Raquel Henry-Singh, QC undergraduate (Lab maintenance, plankton growth)
 2008- 2010: Elizabeth Bisbee, QC undergraduate (Lab maintenance, Coulter Counter)
 2008- 2010: Richard Bubbico, QC undergraduate (Lab maintenance, copepod feeding experiments)
 2006- 2008: Bonnie Quach Wong, Bronx Science student doing an INTEL project (Hudson River)
 2006- 2007: Luis Deverez, QC Geology major working in lab (Phytoplankton cultures)
 2006: Maria Rosa, CCNY Biology student working in lab (Diversity and hypoxia in WLIS)
 2006-2007: Latisha Williams, QC Ensci major working in lab (Oxygen and benthos in WLIS)

Graduate Students

Yi Tang, CUNY EES Ph.D., Thesis Advisor 9/13 –
 Jane Hauptman, CUNY EES Ph.D., Thesis Advisor 12/13 –1/15
“Dust as zooplankton roughage: Assessing the influence of mineral particles on copepod feeding and the potential for carbon burial” M.A. thesis
 Jim Rice, CUNY EES Ph.D., Thesis Advisor 9/08 – graduated 2/14
“Long-term warming and the size and phenology of Long Island Sound plankton” Ph.D. thesis
 Yan Choi, Masters of Arts in Earth and Environmental Sciences, graduated 6/12
“Seasonal polonium-210 flux and plankton community in the NE subarctic Pacific” M.A. thesis
 Vadim Acosta, Masters of Arts in Earth and Environmental Sciences, graduated 6/11
“Biodilution of copper and zinc in the food web of Meadow Lake, NY” M.A. thesis
 Lily Leon, QC Geology Masters, Po/Pb in WLIS, graduated 5/09
“Application of natural radionuclides ²¹⁰Po and ²¹⁰Pb in Western Long Island Sound: Characterization of particles in an highly urbanized estuary” M.A. thesis
 Crystal Pearl, QC Geology Masters student, Thesis Committee, graduated 12/06
 YiYi Wong, EES Ph.D. Thesis Advisor 7/09 – 7/10
 Dustin Herlich, QC SEES Ph.D., Thesis Advisor 9/07 -9/08
 George Jackman, QC Biology Ph.D., Thesis Committee 08/08 - present
 David Seebaugh, CSI Biology Ph.D., Thesis Committee 8/07 – Graduation 2012
 Caitlyn Nichols, CSI Biology Ph.D., Thesis Committee 9/08 – Graduation 2012
 Tiffany Johnson, QC Biology Ph.D., Thesis Committee 5/07 – Graduation 2010

Katherine Paccione, QC Biology Masters student, Thesis Committee, graduated 5/09
 Corrinna Singleman, QC Biology Ph.D., Thesis Committee 9/11 - present
 Simon Lax, QC Earth and Environmental Sciences MA, Thesis Committee, graduated 5/12
 Suzanne Young, QC Earth and Environmental Sciences MA, Thesis Committee, graduated 5/12
 Outside doctoral thesis committee member for Weilei Wei, Stony Brook University 08/13 – 3/15

SCHOLARSHIP AND CREATIVE WORK

Key:

Indicates advised or co-advised student as co-author

PI or Co-PI Indicates funding or proposal writing as PI or Co-PI

Conc = % Research Conception and Design

Analy = % Analysis and Evaluation of Data

Writ = % Writing

(A) BOOKS and other MONOGRAPHS

1. **Published since most recent of: initial appointment or last promotion.**

2. **Published prior to most recent of: initial appointment or last promotion.**

(B) JOURNAL ARTICLES All articles in refereed journals

1. **Since most recent of: initial appointment or last promotion.**

In Prep, In Review, or In Press:

Stewart G., Burd A., Moran S.B., and Lomas M. (in prep) *Connecting plankton community to ^{210}Po , ^{234}Th and ^{210}Pb export. Planned submission at Nature Geoscience*

Burd, A. and **G. Stewart** (in prep) *Interpreting vertical profiles of short-lived, particle reactive radionuclides in the ocean. Planned submission at Marine Chemistry*

#(PI) **Stewart G.**, Choi H.-Y., Moran S.B., Lomas M., and Kelly R.P. (in prep) *Comparing the radionuclide pairs $^{210}\text{Po}/^{210}\text{Pb}$ and $^{234}\text{Th}/^{238}\text{U}$ as POC export tracers along Line P. Planned submission at Deep Sea Research*

#(PI) Rice E.J. and **G. Stewart** (in review) *Altered copepod phenology in a Mid-Atlantic Estuary without earlier grazing: the limits of top-down control in a warming ocean. Limnology and Oceanography*

#(Co-PI) Mackinson B., Moran S.B., Lomas M. **Stewart G.**, Kelly R.P. (in review) *Estimates of micro, nano-, and picoplankton contributions to particle export in the northeast Pacific. Biogeosciences (Accepted for publication with revisions)*

Published:

*(Co-PI) Rigaud S., **Stewart G.**, Baskaran M., Marsan D., Church T. (2015) ^{210}Po and ^{210}Pb distribution along the North Atlantic GEOTRACES GA03 section. *Deep-Sea Research II* (published on-line for a print journal, but not yet assigned page numbers)
<http://dx.doi.org/10.1016/j.dsr2.2014.11.003>

*#(PI) Choi H.-Y., Lomas M., Moran S.B., Kelly R., **Stewart G.** (2014) Linking the distribution of ^{210}Po and ^{210}Pb with plankton community along Line P, Northeast Subarctic Pacific. *Journal of Environmental Radioactivity* 138: 390-401

*#(PI) Rice E.J., Dam H., **Stewart G.** (2013) Impact of climate change on estuarine zooplankton: Surface water warming in Long Island Sound is associated with changes in copepod size and community structure. *In Estuaries and Coasts* 38(1): 13-23

*#(PI) Rice, E. J. and **G. M. Stewart** (2013) Analysis of interdecadal trends in chlorophyll and temperature in the Central Basin of Long Island Sound. *Estuarine, Coastal and Shelf Science* 128: 64-75

*#(Co-PI) T. Church, Rigaud S., Baskaran M., Kumar A., Friedrich, J., Masque, P., Puigcorbe V., Kim, G., Radakovitch, O., Hong G., Choi, H-Y., **Stewart G.** (2012) Intercalibration studies of ^{210}Po and particulate seawater sample. *Limnology and Oceanography Methods* 10: 776-789

*#(PI) Rice, E.J., Panzeca, C., **Stewart G.M.** (2012) Temperature-induced microbubbles within natural marine samples may inflate small-particle counts in a Coulter Counter. *Marine Ecology Progress Series* 450: 275-280

*#Seebaugh DR, Wallace WG, L'Amoreaux WJ, **Stewart GM** (2012) Assimilation of elements and digestion in grass shrimp pre-exposed to dietary mercury. *Archives of Environmental Contamination and Toxicology* 63(2): 230-240

*#Seebaugh, D.R., W.G. Wallace, W.J. L'Amoreaux, **G.M. Stewart** (2011) Carbon Assimilation and Digestive Toxicity in Naive Grass Shrimp (*Palaemonetes pugio*) Exposed to Dietary Cadmium. *Bulletin of Environmental Contaminant Toxicology* 88: 449-455

2. Prior to most recent of: initial appointment or last promotion.

*(PI) **Stewart, G.**, Moran, S.B., Lomas M., and Kelly, R.P. (2010) Direct comparison of ^{210}Po , ^{234}Th and POC particle-size distributions and export fluxes at the Bermuda Atlantic Time-series Study (BATS) site. *Journal of Environmental Radioactivity* 102 (5): 479-489 (invited)

*(PI) **Stewart, G.**, Moran, S.B., and Lomas, M. (2009) Seasonal POC fluxes at BATS estimated from ^{210}Po deficits. *Deep-Sea Research I*, 57(1): 113-124

*#Verdeny, E., Masqué P., Garcia-Orellana, J., Hanfland, C., Cochran, J.K., **Stewart, G.** (2008) POC export from ocean surface waters by means of $^{234}\text{Th}/^{238}\text{U}$ and $^{210}\text{Po}/^{210}\text{Pb}$ disequilibria: a comparison of two radiotracer pairs. *Deep-Sea Research II* 56: 1502-1518

*#Engel, A., Abramson, L., Szlosek, J., Liu, Z., **Stewart, G.**, Hirschberg, D., Lee, C. (2008) Investigating the effect of ballasting by CaCO₃ in *Emiliania huxleyi*: II. Decomposition of particulate organic matter. *Deep-Sea Research II* 56: 1408-1419

*#Cochran, J.K., Miquel, J-C., Fowler, S., Gasser, B., Hirschberg, D., Szlosek, J., Rodriguez y Baena, A.M., Armstrong, R., **Stewart, G.**, and Masqué, P. (2008) Time-series measurements of ²³⁴Th in water column and sediment trap samples from the Northwestern Mediterranean. *Deep-Sea Research II* 56: 1487-1501

*#**Stewart G.M.**, J.K. Cochran, J. Xue, C. Lee, S. Wakeham, R.A. Armstrong, P. Masque, and J.C. Miquel (2007) Exploring the connection between Po-210 and organic matter in the northwestern Mediterranean. *Deep Sea Research I* 54: 415 – 427

*#**Stewart G.M.**, P. Masque, J.K. Cochran, J.C. Miquel, J. Szlosek, A.M. Rodriguez, S.W. Fowler, B. Gasser, and D.J. Hirschberg (2007) Comparing POC flux estimates from ²¹⁰Po/²¹⁰Pb water column profiles with estimates from sediment traps and ²³⁴Th/²³⁸U profiles, 0-200 m northwest Mediterranean. *Deep Sea Research I* 54: 1459-1570

*Buessler K., Benitez-Nelson C., Moran S. B., Burd A., Charette M., Cochran J.K., Coppola L., Fisher N., Fowler S., Gardner W., Guo L., Gustafsson O., Lamborg C., Masque P., Miquel J-C., Passow U., Santschi P., Savoye N., **Stewart G.**, Trull T., (2006) An assessment of particulate organic carbon to thorium-234 ratios in the ocean and their impact on the application of ²³⁴Th as a POC proxy. *Marine Chemistry* 100: 213-233

***Stewart G.M.**, S.W. Fowler, J.L. Tessyie, O. Cotret, and N.S. Fisher (2005) Contrasting the transfer of polonium-210 and lead-210 across three trophic levels in the marine plankton. *Marine Ecology Progress Series* 290: 27-33

*Liu X.F., **G.M. Stewart**, J.K. Cochran, C. Lee, R.A. Armstrong, D. Hirschberg, J.C. Miquel, and B. Gasser (2005) Constraints on the differences between POC measured in samples from Niskin bottles and in-situ pumps. *Deep Sea Research I* 52(7): 1324-1344

***Stewart G.M.** and N.S. Fisher (2003) Experimental studies on the accumulation of polonium-210 by marine phytoplankton. *Limnology and Oceanography* 48(3): 1193-1201

***Stewart G.M.** and N.S. Fisher (2003) Bioaccumulation of polonium-210 in marine copepods. *Limnology and Oceanography* 48(5): 2011-2019

(C) CHAPTERS IN BOOKS/ANTHOLOGIES Indicate refereed chapters with *

1. Since most recent of: initial appointment or last promotion.
2. Prior to most recent of: initial appointment or last promotion.

***Stewart, G. M.**, N. S. Fisher, and S. W. Fowler. Chapter 8: Bioaccumulation of U/Th isotopes in marine organisms (2008), in *U/Th Series Radionuclides in Aquatic Systems*, S. Krishnaswami and J. K. Cochran, editors. pp. 269-305

(H) ORAL PRESENTATIONS, ADDRESSES, AND MASTER CLASSES Indicate whether these

were refereed (*), or invited (**). In case of joint presentations, indicate presenting author by # sign. Do not list presentations included in (D).

1. Since most recent of: initial appointment or last promotion.

(**) University of Georgia Department of Marine Science, Invited Seminar, September 2014 “The unique natural radionuclide ^{210}Po and its application as a carbon tracer in the ocean.” **Stewart G.**

(*) ASLO Ocean Sciences Meeting, Honolulu HI February 2014. “Particulate Po-210 and Pb-210 along the North Atlantic GEOTRACES transect: bioreactive vs. particle-reactive tracers.” #**Stewart G.**, Baskaran M., Church, T. and S. Rigaud

(**) US GEOTRACES North Atlantic Data workshop, Old Dominion, VI March 2013. “Particulate ^{210}Po and ^{210}Pb ” #**Stewart G.**, Church, T., Baskaran, M., and S. Rigaud,

(**) US GEOTRACES North Atlantic Data workshop, Old Dominion, VI March 2013. “Modeling the dissolved and particulate ^{210}Po and ^{210}Pb ” #Rigaud, S., Church, T., **Stewart, G.**, and Baskaran, M.

(**) Second International Conference on ^{210}Po and Radioactive Pb Isotopes, Mangalore, India. Invited Keynote Address, February 2013. “The global distribution of Po-210 in the world’s oceans and implications for the use of Po/Pb as carbon export tracers” **Stewart, G.**

(*) ASLO Aquatic Sciences Meeting New Orleans, LA February 2013. “Connecting Plankton Community Structure with Po-210/Pb-210 Distributions along Line P, Subarctic Pacific” #**Stewart G.**, Choi H-Y, Lomas M, Moran SB.

(*) ASLO Aquatic Sciences Meeting New Orleans, LA February 2013. “The roughage effect on zooplankton grazers and ocean particle flux” **Stewart, G.**

(*) ASLO Aquatic Sciences Meeting New Orleans, LA February 2013. “Seasonality of long term warming in Long Island Sound and zooplankton community changes.” #Rice E.J. and **G. Stewart**

(**) UC Santa Cruz, Ocean Sciences Seminar Series, April 2012, “Understanding the variability in the biological pump using Polonium-210” **Stewart, G.**

(**) UC Santa Cruz, Whole Earth Seminar, Earth and Planetary Sciences Dept., March 2012, “Polonium, Zooplankton, Dust and Carbon Export in the Ocean” **Stewart, G.**

(*) Goldschmidt Conference, Montreal Canada, June 2012, “Tracing particulate fluxes using ^{210}Po and ^{210}Pb during North Atlantic GEOTRACES” #Rigaud, S., Church, T., Baskaran, M., **Stewart, G.**, Choi, H.Y., Puigcorbe, V.m Masque, P.

(*) ASLO Ocean Sciences Meeting, Salt Lake City, UT, February 2012 Poster, “Increased Temperature and Flagellates Associated with Increased Chlorophyll in Long Island Sound” #Rice, E.J., **Stewart, G.**

(*) ASLO Ocean Sciences Meeting, Salt Lake City, UT, February 2012 Poster, “Summer ^{210}Po and ^{210}Pb distributions and plankton community structure in the Northeast Pacific” # H. Y. ChOi, **G. M. Stewart**, M. W. Lomas, S. B. Moran, R. P. Kelly

(**) Queens College Presidential Roundtable, October 2011, “Utilizing tracers to understand the marine carbon cycle.” **G. Stewart**

(*) ASLO Aquatic Sciences, San Juan, Puerto Rico, February 2011, “Shifts in Long Island Sound zooplankton size and diversity reflect climate change” #Rice, E.J., **Stewart, G.**

(*) ASLO Aquatic Sciences, San Juan, Puerto Rico, February 2011, “Concentration of Cu and Zn in the Food Web of Meadow Lake, Flushing NY” #Acosta, V., **Stewart, G.**

(**) CUNY Environmental Forum, New York, NY, November 2010, “Increasing suspended lithogenic material in the surface ocean and impacts on the Biological Pump” **Stewart, G.**

(*) Long Island Sound Foundation meeting, Stamford CT, October 2010, “Long-term changes in copepod diversity in Long Island Sound” #Rice, E.J., **Stewart, G.**

(**) Arctic GEOTRACES Planning Meeting, NSF, Washington D.C., September 2010. “Exopolymeric substances, POC flux, and short-lived natural radionuclides (^{210}Po , ^{234}Th) in the Arctic” **Stewart, G.**

(**) SEES Colloquium, Queens College, CUNY, September 2010 “Climate Change and Decadal Changes of Zooplankton Community in Long Island Sound.” #Rice, E.J, **Stewart, G.**

2. Prior to most recent of: initial appointment or last promotion.

First Annual ^{210}Po and Lead Isotope Meeting, Sevilla Spain, October 2009, “Accumulation of ^{210}Po and ^{210}Pb in Marine Organisms.” **Stewart, G.**

Chemical Oceanography Gordon Research Conference, Tilton, NH, August 2009 Poster “Size fractionated ^{210}Po and ^{210}Pb data confirms association with sinking organic matter under oligotrophic conditions at Bermuda Atlantic Time Series site (BATS)” **Stewart G.**, Moran B., Lomas M.

ASLO Aquatic Sciences Meeting, Nice, France, January 2009 “Deficit of Po-210 predicts POC flux at BATS from winter through spring.” **Stewart G.**, Moran B., Lomas M.

ASLO Aquatic Sciences Meeting, Nice, France, January 2009, “Examining the effect of mesoscale eddies on particle flux using ^{234}Th and ^{210}Po .” Verdeny E., Masque P., Benitez-Nelson C., **Stewart G.**, Villa M.

ASLO Ocean Sciences Meeting, Orlando FL, March 2008 Poster “The cellular distribution of phytoplankton Po and Pb and zooplankton vertical migration.” **Stewart G.**, Masque, Verdeny and Tovar- Sanchez

ASLO Ocean Sciences Meeting, Orlando FL, March 2008 – ASLO Minority Student Symposium “The natural radionuclides Po and Pb as tracers of circulation in Long island Sound” Leon L., **Stewart G.**, Marchese P.

ASLO Ocean Sciences Meeting, Orlando FL, March 2008, “Medflux: Using 3D plots from principal component analysis to visualize degradation trajectories of organic matter.” Xue, Armstrong, Lee, Liu, Wakeham, Goutx, **Stewart G.**

Marine Sciences Colloquium, University of South Carolina, Columbia SC, February 2008 “The marine biogeochemistry of polonium-210 in estuaries and coastal systems,” **Stewart G.**

Gordon Conference, Chemical Oceanography, Tilton NH, August 2007 Poster “Po and Pb dynamics off the Canary Islands; Insights into eddies,” **Stewart G.**, Masque, and Verdeny

Brookhaven Radionuclides and Environment Symposium, New York July 2007 Invited talk “Po-210 and Pb-210: Novel Tools to Connect Ecosystems and Aquatic Biogeochemistry,” **Stewart G.**

CIESM Bi-annual Congress, Istanbul Turkey April 2007 Invited talk “Particle composition, sinking rate, and organic carbon at the DYFAMED site in the NW Mediterranean,” **Stewart G.**, Cochran, Lee, Wakeham, Armstrong and Masque

10th Annual Urban University Conference, City College CUNY April 2007, Two student posters presented: Lily Leon, Latisha Williams

Rutgers University, Institute of Marine and Coastal Studies, New Brunswick NJ February 2007
Invited talk “Uranium series isotopes as carbon tracers in the ocean,” **Stewart G.**

Hunter College, CUNY Geography Department, NY November 2006. Invited talk “Polonium to lead ratios describe trophic roles in marine planktonic systems,” **Stewart G.**

American Geophysical Union Fall Meeting, San Francisco, December 2006. “The roughage effect of dust on carbon assimilation in grazers, and potential implications for atmospheric CO₂” **Gillian Stewart**, Karen Kohfeld, Andreas Schmittner, Zanna Chase, Adina Paytan, Andy Ridgwell

Annual Biomedical Research Conference for Minority Students (ABRCMS), Anaheim CA, November 2006. “Chemical and Geological Effects on Abundance and Distribution of Macrobenthos in Western Long Island Sound” Maria Rosa, **Gillian Stewart**, Cecilia McHugh, Marie-Helene Cormier

Long Island Sound Meeting, New London October 2006 “Can Natural Radionuclides Recognize the Extent of Hypoxia in Western Long Island Sound?” Lily Leon, **Gillian Stewart**, Cecilia McHugh, Paul Marchese, and Yan Zheng

AGU and ASLO Ocean Sciences Meeting, Honolulu February 2006-- Minority Student Mentor for this meeting-- “Comparing ²¹⁰Po/²¹⁰Pb ratio profiles in samples from sediment traps, in situ pumps, and Niskin bottles during MEDFLUX: An investigation of mesopelagic remineralization and scavenging” **G. Stewart**, P. Masque, K. Cochran, J. Miquel, B. Gasser, D. Hirschberg, A. Rodriguez y Baena, S. Fowler

AGU and ASLO Ocean Sciences Meeting, Honolulu February 2006 “Importance of Calcareous Shells in Aggregate Formation and Particle Decomposition for the Coccolithophore *Emiliania Huxleyi*” A. Engel, J. Szlosek, L. Abramson, Z. Liu, **G. Stewart**, D. Hirschberg, C. Lee

AGU and ASLO Ocean Sciences Meeting, Honolulu February 2006 “MEDFLUX: Particulate Organic Carbon –Th²³⁴ Relationships in Particles Separated by Settling Velocity in the Northwest Mediterranean” J Szlosek, J.K. Cochran, J.C. Miquel, S Fowler, B. Gasser, D. Hirschberg, P. Masque, **G.Stewart**, A. Rodriguez y Baena, T. Toubal

Women In Science Conference, Queens College, NY November 2005 Poster “The biogeochemistry of Polonium ²¹⁰ and implications for its use as a tracer,” **Stewart G.**

New York Nature Conference, Queens College, NY December 2005 Poster “Using radionuclides to trace organic contaminants in the Hudson River Estuary” **Stewart G.**

Queens College, CUNY Biology Department Colloquium, October 2005 Invited talk “Accumulation of Po-²¹⁰ and Pb-²¹⁰ in marine planktonic systems” **Stewart G.**

2005 DISCO XIX (Dissertation Symposium on Chemical Oceanography) Sponsored by NSF and NOAA, Kona, HI, “The Biogeochemical Cycling of Polonium-²¹⁰ in the Ocean.” **Stewart, G.**

2005 American Society of Limnology and Oceanography Summer Meeting, Santiago de Compostela, Spain “Particle composition and polonium-²¹⁰ and lead-²¹⁰ content in the MEDFLUX study: Implications for the use of Po as a tracer of particle flux,” **Stewart G.**, Cochran, Masque, Lee

2004 Center for Environmental Molecular Science’s “Brown-bag Lunch” seminar Series, Stony Brook, NY, “Environmental Applications of ²¹⁰Po.” **Stewart G.**

2004 Queens College School of Earth and Environmental Science, Flushing, NY, Wednesday Colloquium. “Polonium, Plankton, and Carbon Flux – Oh My!” **Stewart G.**

2004 “Wally’s Seminar Series” at Lamont-Doherty Earth Observatory, Palisades, NY, “The Biogeochemistry of ^{210}Po in Surface Waters.” **Stewart G.**

2004 International Commission for the Scientific Exploration of the Mediterranean Sea meeting (CIESM) Barcelona, Spain: “The bioaccumulation of ^{210}Po in plankton and its potential use as an organic carbon tracer at the DYFAMED site in the Northwestern Mediterranean” **Stewart et al.**

2004 International Commission for the Scientific Exploration of the Mediterranean Sea meeting (CIESM) Barcelona, Spain: “ ^{210}Po and ^{210}Pb concentrations, fluxes, particle settling velocities, and organic carbon at the DYFAMED Site, Northwestern Mediterranean” **Stewart et al.**

2004 American Society of Limnology and Oceanography / The Oceanography Society’s Ocean Science meeting, Honolulu, HI Poster “MEDFLUX: ^{210}Po as a tracer for organic carbon in the Northwest Mediterranean” **Stewart**, Masque, Fisher, and Cochran. **Outstanding Student Poster Award.

2004 Center for Environmental Molecular Science Graduate Student Conference, Stony Brook, NY “ ^{210}Po concentrations and fluxes at the DYFAMED site, Northwestern Mediterranean” **Stewart**, Masque, Armstrong, Lee and Cochran. **One of ten organizers of the meeting.

2003 American Society of Limnology and Oceanography’s Aquatic Science meeting, Salt Lake City, UT, “Radioactive polonium, lead, and thorium as tracers of organic carbon flux in the surface ocean” **Stewart**, Cochran, Fisher, Lee

2002 American Society of Limnology and Oceanography’s summer meeting, Victoria, B.C “Uptake and trophic transfer of polonium in marine plankton.” **Stewart**, Fisher, and Baines

(I) REPORTS

1. Since most recent of: initial appointment or last promotion.

2. Prior to most recent of: initial appointment or last promotion.

Update from the Early Career Committee.

Limnology and Oceanography Bulletin, Volume 17 (2) June 2008, p. 52-55

Summary of the Jamaica Bay BioBlitz 2007:

<http://www.nps.gov/gate/jamaica-bay-bioblitz.htm>

Assessment of Coastal Water Resources and Watershed Conditions in Gateway National Recreation Area, NY/NJ. Report of the NPS, DOI Water Resources Division and Natural Resources Program. Technical Report NPS/NRWRD/NRTR -2008/XXX

Assessment of Coastal Water Resources and Watershed Conditions in and around Fire Island National Seashore, NY. Report of the NPS, DOI Water Resources Division and Natural Resources Program. Technical Report NPS/NRWRD/NRTR -2007/XXX

Assessment of Coastal Water Resources and Watershed Conditions in Sagamore Hill National Historic Site, NY. Report of the NPS, DOI Water Resources Division and Natural Resources Program. Technical Report NPS/NRWRD/NRTR -2007/XXX

Stewart, G.M., N.S. Fisher, J.K. Cochran, S.W. Fowler, and P. Masqué (2004) *The bioaccumulation of*

²¹⁰Po in plankton and its potential use as an organic carbon tracer at the DYFAMED site in the Northwestern Mediterranean. Rapp. Comm. Int. Mer. Medit. 37: 245.

Stewart, G.M., J.K. Cochran, P. Masqué, R.A. Armstrong, J.-C. Miquel, A. Rodriguez, S.W. Fowler, M. Peterson, and N.S. Fisher (2004) *²¹⁰Po and ²¹⁰Pb concentrations, fluxes, particle settling velocities, and organic carbon at the DYFAMED site, Northwestern Mediterranean. Rapp. Comm. Int. Mer. Medit. 37: 246.*

Benitez-Nelson, C. and the participants of FATE 2004 *Future Applications of ²³⁴Th in Aquatic Ecosystems (FATE) (2004) EOS 85 (45):471-472.*

SERVICE

(A) COLLEGE/UNIVERSITY. Include dates of each service activity.

Department

May 13 to September 14: Deputy Chair of the School of Earth and Environmental Sciences
 Spring 12 – Visiting Faculty at UC Santa Cruz
 Fall 11 – Search Committee Chair for New Hire
 Summer 10, Summer 11, Summer 12, Summer 13 – Acting Chair of SEES
 Fall 09 – Search Committee for Dean of Math and Natural Sciences
 Spring 09 – present: SEES Personnel and Budget Committee
 Spring 09 – Attended NSF sponsored Workshop in “Strengthening Geosciences Departments”
 Spring 08 – Faculty Search Committee
 Spring 08 – Development of PLAS Ensci 100
 Spring 06 – Fall 08 Coordinate SEES Colloquium Series
 Spring 06 – Initiated SEES Colloquium Series

Queens College

September 2014 – present: Associate Dean, Division of Math and Natural Sciences
 Fall 13 – present: QC Academic Senate (Divisional Rep.)
 Fall 11 – appointed primary representative to NY Marine Sciences Consortium
 Fall 10 – appointed to Long Island Sound Science and Technology Advisory Committee
 Fall 08 – appointed Alternative Representative for QC to NY Marine Sciences Consortium
 Spring 09 – Strategic Planning Committee for plan #8: Increase strength of sciences at QC
 Fall 06 – Fall 12: QC Academic Senate (Departmental Rep.)

CUNY

Spring 2014 – CUNY Leadership Academy (one of 28 faculty from all of CUNY, nominated by both Macaulay Honors College and Queens College)
 Fall 13 – present: Macaulay Honors College Curriculum Committee
 Spring 11 – present: Macaulay Honors College Council
 Spring 2006 - Present – Graduate (Ph.D.) faculty of Chemistry, Biology and Earth and Environmental Sciences (CUNY-wide)
 Spring 09 – CIRG, CUNY Collaborative Review Panel
 Fall 08 – Fall 12 EES Admissions Committee (at CUNY Graduate Center)
 Fall 07 – present: EES Executive Committee (at CUNY Graduate Center)

(B) PROFESSION. Include dates of each service activity.

Member of the Board of Directors (2013 – 2016)
 Association of Scientists in Limnology and Oceanography (ASLO)
<http://aslo.org/information/board.html>

Session Coordinator

2014 Chaired Session on Climate Change and Coastal Plankton at ASLO (Portland)

2011 Chaired Session on Multiple POC proxies at ASLO (San Juan)

2009 Chaired Session on Short-lived Natural Radionuclides at ALSO (Nice, France)

2005 – 2009 Expand Your Horizon Conference (Annual), Workshop Leader (NY, NY)

2006 Minority Student Mentor at ASLO Ocean Sciences Meeting (Honolulu, HI) *Reviewer*

Member of Arctic Research Panel for NSF (BEST, 2007)

Member of Chemical Oceanography Panel for NSF (2009, invited but could not attend 2014)

Funding Agencies – EUR-Oceans, National Science Foundation (Chem Oce., Polar Prog., Bio. Oce.)

Refereed Journals – *Deep-Sea Research, Limnology and Oceanography, Marine*

Ecology Progress Series, Marine Chemistry, Journal of Environmental Radioactivity, Coastal

Estuarine and Shelf Research, Journal of Marine Research, Earth and Planetary Science

Letters, Global Change Biology, etc.,

EUroceans Graduate and Post Doc Selection Committee 2007

College of Reviewers for Canada Research Chairs Program 2008

CIRG CUNY Collaborative Proposal Review Panel 2009

Committee Member

SUNY Maritime Environmental Science Advisory Board

Long Island Sound Study Science and Technical Advisory Committee

NY Marine Sciences Consortium

GEOTRACES Intercalibration Team

Oceanographic Research Cruise Experience

GEOVIDE (Porquia Pas?) Cruise 2014

GEOTRACES East Pacific Cruise 2013

Line P Cruises (CGCS Tully) 2010-2012

GEOTRACES North Atlantic Cruise 2011

WLIS Cruise (RV Hugh Sharp) June 2006

RODA Canary Island Cruise August-Sept 2006

MEDFLUX cruises 2002-2005

- (C) COMMUNITY. Last five years only. Include dates for each service activity. Examples: unpaid member of board of trustees for school or library; activities in non-college or university settings; unpaid consultantships.**

Current: Developing COSEE webinar on short-lived radionuclide tracers, as part of GEOTRACES

Spring 2012: Visiting Research Faculty, UC Santa Cruz

March 2011 and January 2014: Invited to talk at Stony Brook Recruiting event

April 2011: Invited to talk and co-host at Macaulay Honors College Event

October 2008: Invited to participate in Jamaica Bay Education Coordinating Committee

Jamaica Bay BioBlitz: Coordinated and managed a 24 hour species inventory of the 25,000 acres in Jamaica Bay. Brought together scientists, experts, naturalists, educators, outreach groups, volunteer organizations and the public for a celebration of the diversity in our own “backyard.” <http://nbii-nin.ciesin.columbia.edu/jamaicabay/bioblitz/BioBlitz.html>

Expand Your Horizons: Session coordinator yearly since 2006 for a public program to engage 7th grade girls in math and science. Sponsored by the American Association of University Women. <http://www.aauw-eyhconference.com/index.htm>

Globe Program: May 2008, gave lectures on Climate Change and conducted hands-on activity for 27 NYC Public School teachers through the Globe Project.

CUNY Week: 2006, 2007, 2008, 2010, 2012, 2013, 2014 gave lectures to 60+ local Queens seventh graders about Biodiversity as part of CUNY Week activities. Gave Lab tours of Marine Biogeochemistry lab at QC