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**I. Professional Preparation:**

Chestnut Hill College	Biology	B.S., 1974
North Carolina State University	Physical Oceanography	M.S., 1976
North Carolina State University	Marine Sciences and Engineering	Ph.D., 1980

**II. Appointments**

*July 1995 - present*

Professor, Center for Coastal Physical Oceanography, Dept. of Ocean, Earth and Atmospheric Sciences, Old Dominion University

*Sept. 1989 - June 1995*

Associate Professor, Department of Oceanography, Old Dominion University

*Sept. 1986 - Aug. 1989*

Assistant Professor, Department of Oceanography, Texas A&M University

*Jan. 1981 - Aug. 1986*

Assistant Research Scientist, Department of Oceanography, Texas A&M University

*Dec. 1979 - Jan. 1981*

Postdoctoral Research Associate, NCSU/Florida State University

*Sept. 1974 - Nov. 1979*

Teaching Assistant, North Carolina State University; Research Assistant, North Carolina State University; Graduate Research Assistant, Skidaway Institute of Oceanography

**III. Research Interests and Expertise**

Analysis and modeling of biological and physical interactions in marine ecosystems and descriptive physical oceanography.

**IV. Publications - Last Five Years:**

Hofmann, E.E. and E.J. Murphy, 2004. Advection, krill and Antarctic marine ecosystems. *Antarctic Science*, 16, 487-499.

Hofmann, E.E., E.N. Powell, E.A. Bochenek and J.M. Klinck, 2004. A Modelling Study of the Influence of Environment and Food Supply on Survival of *Crassostrea gigas* Larvae, *ICES Journal of Marine Science*, 61/4, 596-616.

- Hofmann, E.E., P.H. Wiebe, D.P. Costa and J.J. Torres, 2004. An overview of the Southern Ocean Global Ocean Ecosystems Dynamics Program. *Deep-Sea Research II*, 51, 1921-1924.
- Klinck, J.M., E.E. Hofmann, R.C. Beardsley, B. Salihoglu and S. Howard, 2004. Water mass properties and circulation on the west Antarctic Peninsula continental shelf in austral fall and winter 2001, *Deep-Sea Research II*, 51, 1925-1946.
- Powell, E.N., E.A. Bochenek, J.M. Klinck and E.E. Hofmann, 2004. Influence of Short-term Variation in Food on Survival of *Crassostrea gigas* Larvae: A Modeling Study, *Journal of Marine Research*, 62, 117-152.
- Prézelin, B.B., E.E. Hofmann, M. Moline and J.M. Klinck, 2004. Physical forcing of phytoplankton community structure and primary production in continental shelf waters of the western Antarctic Peninsula. *Journal of Marine Research*, 62, 419-460.
- Hofmann, E.E. and Y.S. Hüsrevoğlu, 2003. A circumpolar modeling study of habitat control of Antarctic krill (*Euphausia superba*) reproductive success, *Deep-Sea Research II*, 50, 3121-3142.
- Powell, E.N., J.M. Klinck, E.E. Hofmann, and M.M. Deksheniaks, 2003. The Influence of Water Allocation and Freshwater Inflow on Oyster Populations: A Hydrodynamic-Oyster Population Model for Galveston Bay, Texas. *Environmental Management*, 31, 100-121.
- Fach, B.A., E.E. Hofmann and E.E. Murphy, 2002. Modeling studies of Antarctic krill (*Euphausia superba*) survival during transport across the Scotia Sea, *Marine Ecology Progress Series*, 231, 187-203.
- Klinck, J.M., E.N. Powell, E.E. Hofmann and M.M. Deksheniaks, 2002. Impact of Channelization on Oyster Production: A Hydrodynamic-Oyster Population Model for Galveston Bay, Texas, *Environmental Modeling Assessment*, 7, 273-289.
- Powell, E.N., E.A. Bochenek, J.M. Klinck and E.E. Hofmann, 2002. Influence of Food Quality and Quantity on the Growth and Development of *Crassostrea gigas* Larvae: A Modeling Study, *Aquaculture*, 210, 89-117.
- Bochenek, E.A., J.M. Klinck, E.N. Powell and E.E. Hofmann, 2001. A Biochemically Based Model of the Growth and Development of *Crassostrea gigas* Larvae, *Journal of Shellfish Research*, 20, 243-265.
- Hofmann, E.E., S.E. Ford, E.N. Powell and J.M. Klinck, 2001. Modeling Studies of the Effect of Climate Variability on MSX Disease in Eastern Oyster (*Crassostrea virginica*) Populations, *Hydrobiologia*, 460, 195-212.
- Salihoglu, B., W.R. Fraser and E.E. Hofmann, 2001. Factors affecting the fledging weight of Adélie penguin (*Pygoscelis adeliae*) chicks: A modeling study. *Polar Biology*, 24, 328-337.

Hofmann, E.E. and C.M. Lascara, 2000. Modeling the Growth Dynamics of Antarctic Krill *Euphausia superba*, *Marine Ecology Progress Series*, 194, 219-231.

Prézelin, B.B., E.E. Hofmann, C. Mengelt and J.M. Klinck, 2000. The linkage between Upper Circumpolar Deep Water (UCDW) and phytoplankton assemblages on the west Antarctic Peninsula continental shelf, *Journal Marine Research*, 58, 1-38.

## **V. Synergistic Activities**

Ex-Officio Member, U.S. GLOBEC Science Steering Committee; Ex-Officio Member, International GLOBEC Science Steering Committee; Chairman, International GLOBEC Southern Ocean Planning Group; Chairman, U.S. Southern Ocean GLOBEC Executive Committee; Member, Chesapeake Research Consortium, Community Model Science Steering Committee; Member, National Research Council Committee on Metrics for Global Change Research; Member, UNOLS Council; Editor, *Antarctic Science*; Editor, *Dynamics of Atmospheres and Oceans*; Editor, *Journal Marine Research*; Editor, *Journal of Cetacean Research and Management*; Review Staff, *Marine Ecology Progress Series*

## **VI. Collaborators and Other Affiliations**

**(a) Collaborators and co-authors.** E. Powell, J. Kreauter & S. Ford, Rutgers University; W. Smith, VIMS; B. Prézelin, UCSB; M. Bricelj, NRC, Canada; R. Grizzle, UNH; W. Fraser, Polar Oceans Research Group; C. McClain & A. Mannino, NASA GSFC; A. Busalacchi & R. Murtugudde, UMD, J. Wilkin & D. Haidvogel, Rutgers University; J. O'Reilly, URI/NOAA; C. Lee, Stony Brook Univ.; R. Beardsley, WHOI; C. Ribic, Univ. Wisconsin; D. Costa, Univ. California-Santa Cruz

**(b) Graduate and Post-Doctoral Advisors.** L. Pietrafesa (Ph.D. Advisor); J.J. O'Brien (Postdoctoral Advisor)

**(c) Students and Post-Graduate Scholars.** *Postdoctoral Advisees:* Julie Ambler, Jerry Wiggert; *Ph.D. Advisees:* Joji Ishizaka, Donald Eliason, Jorge Capella, John Moisan, Margaret (Dekshenieks) McManus, Cathy Lascara, James Koziana, Marjorie Friedrichs, Tonya Clayton, Bettina Fach, Hae-Cheol Kim, Baris Salihoglu, Erik Chapman; *M.S. Advisees:* Dorlisa Hommel, Michelle Paraso, Eddie Haskell