

Biographical Sketch – RALEIGH ROBERT HOOD (UMCES)

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Professional Preparation:

University of Washington, Seattle, WA	Oceanography, B.S. <i>cum laude</i>	1983
University of California, San Diego, CA	Oceanography, Ph.D.	1990
Scripps Institution of Oceanography		
Oregon State University (Post-doc)	College of Oceanography	1990-1991
University of Miami (Post-doc)	RSMAS	1991-1992

Appointments:

2007- Professor, University of Maryland Center for Environmental Science, Horn Point Laboratory, Cambridge Maryland.
2001-07 Associate Professor, University of Maryland Center for Environmental Science, Horn Point Laboratory, Cambridge Maryland.
1995-01 Assistant Professor, University of Maryland Center for Environmental Science, Horn Point Laboratory, Cambridge Maryland.
1992-95 Research Associate, Division of Meteorology and Physical Oceanography, Rosenstiel School of Marine and Atmospheric Science, University of Miami, Miami, Florida.

Most Relevant Products:

Hood, R.R., H.V. Wang, J.E. Purcell, E.D. Houde, and L.W. Harding (1999) Modeling particles and pelagic organisms in Chesapeake Bay: Convergent features control plankton distributions. *Journal of Geophysical Research*, **104**: 1223-1243.

Xu, J., and **R. R. Hood** (2006) Modeling biogeochemical cycles in Chesapeake Bay with a coupled physical-biogeochemical model. *Coastal, Shelf and Estuarine Science*, **69 (1-2)**: 19-46.

Xu, J., W. Long, J. D. Wiggert, W. J. Lanerolle, C. W. Brown, R. Murtugudde, and **R. R. Hood** (2012) Climate forcing and salinity variability in the Chesapeake Bay, USA. *Estuaries and Coasts*, **35**: 237-261.

Keller, D. P., and **R. R. Hood** (2011) Modeling the seasonal autochthonous sources of dissolved organic carbon and nitrogen in the upper Chesapeake Bay. *Ecological Modeling*, **222**: 1139-1162.

Keller, D. P., and **R. R. Hood** (2013) Comparative simulations of dissolved organic matter cycling in idealized oceanic, coastal, and estuarine surface waters. *Journal of Marine Systems*, **109-110**: 109-128.

Lee, D.-Y., D. P. Keller, B. C. Crump, and **R. R. Hood** (2012) Community metabolism and energy transfer in the Chesapeake Bay estuarine turbidity maximum. *Marine Ecology Progress Series*, **449**: 65-82.

Significant Other Products:

Hood, R.R., N.R. Bates, D.G. Capone, and D.B. Olson (2001) Modeling the effect of nitrogen fixation on carbon and nitrogen fluxes at BATS. *Deep-Sea Research*, **2nd Special on the U.S. JGOFS Time-Series Stations**, **48**: 1609-1648

- Hood R. R.**, V. J. Coles and D. G. Capone (2004) Modeling the distribution of *Trichodesmium* and nitrogen fixation in the Atlantic Ocean, *Journal of Geophysical Research*, **109 (C6)**, C06007, doi: 10.1029/2002JC001753.
- Hood, R. R.**, and E. A. Laws et. al. (2006) Pelagic functional group modeling: Progress, challenges and prospects. *Deep-Sea Research*, 3rd Special Issue on the U.S. JGOFS Synthesis and Modeling Project, **53**: 459-512.
- Hood, R. R.**, and J. R. Christian (2008) Chapter 33: Ocean N-cycle modeling. In: *Nitrogen in the Marine Environment*, 2nd Edition, E. Carpenter, D. Capone, D. Bronk and M. Mullholland (eds), pp. 1445-1496, Elsevier.

Synergistic Activities (2013-present):

- 2014 Convener, Chesapeake Modeling Symposium 2014, May 28-29
- 2014 NOAA GFDL Review Panel, Princeton, NJ, May 20-22
- 2014 EIOURI Science Plan writing workshop, Phuket, Thailand, April 9-12
- 2013 IIOE-2 Reference Group Meeting, Qingdao, China, November 20-21
- 2013 Eastern Equatorial Indian Ocean Upwelling Initiative Planning Meeting, Nov. 18-19
- 2013 SIBER/IOP/IRF meeting, LiJiang, China, July 9-12
- 2013 IMBER SSC meeting, invited participant, Las Palmas, Gran Canaria, Spain, June 17-19
- 2013 IIOE-2 Reference Group Meeting, Hyderabad, India, May 14-15

Collaborators and Affiliations (other than in publication list and less UMCES colleagues):

Collaborators in Last 48 Months

D. Bronk (VIMS)	C. Brown (NOAA/NESDIS)	A. Burd (U. Georgia)
E. Canuel (VIMS)	D. Capone (USC)	C. Carlson (UCSB)
E. Carpenter (SF state U.)	C. Friedrichs (VIMS)	M. Friedrichs (VIMS) \
D. Hutchins (USC)	J. McCreary (U. Hawaii)	K. McDonald (NASA/GSC)
P. Medeiros (U. Georgia)	P. Megonigal (SERC)	J. Montoya (Georgia Tech)
M. A. Moran (U. Georgia)	R. Murtugudde (UMCP)	W. Naqvi (NIO/India)
P. Neale (SERC)	J. Paul (USF)	J. Richey (U. Washington)
J. Schell (SEA)	M. Scully (ODU)	K. Sellner (CRC)
J. Shen (VIMS)	D. Steinberg (VIMS)	M. Tzortziou (UMCP)
J. Wiggert (ODU)	P. Yager (U. Georgia)	J. Zehr (UCSB)
B. Wood (Oxford Lab.)	D. Jasinski (CEC)	P. Jasinski (CEC)

Graduate and Postdoctoral Advisors

Graduate Advisors: M.R. Abbott and R.W. Eppley
 Post-graduate Advisors: W.M. Balch and D.B. Olson

Thesis Advisor

Current: J. Tay (chair), T. Wynne (Chair), H. Wang (Chair), A.K. Leight (Chair), Long Jiang (co-chair), Blake Clark (Chair)

Graduated: J. Anderson (chair), J. Matanoski (chair), J. Xu (chair), M. Brooks (co-chair), D. Keller (chair), D. Yoon (chair), M. Sexton (Chair)

Postdoctoral Advisor

Previous: E. North, X. Zhang, J. Xu, J. Wiggert, W. Long, Z-P Mei
 Current: M. Stukel

(Last updated: 6-11-14)