

Jan Robert Factor, Ph.D.

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Biographical Sketch

Dr. Jan Robert Factor earned his Doctorate in Zoology from Cornell University in 1979 under Dr. John M. Anderson. Graduate studies were followed by a Smithsonian Postdoctoral Fellowship under Drs. Mary Rice and Robert Gore at the Smithsonian's Marine Station in Ft. Pierce, Florida (a field station of the National Museum of Natural History), and a Lectureship in Genetics and Development at Cornell. A member of the faculty of Purchase College, State University of New York, since 1982, Dr. Factor is now Professor of Biology, Chair of the Biology Program, Director of the Laboratory of Electron Microscopy. He served as Presiding Officer of the Faculty for three terms (1996-99) and Convener of the SUNY Campus Governance Leaders (1997-99). He has been an Associate Editor and member of the Editorial Board of the *Journal of Morphology* from 1991 to 2003. He is a member of the Society for Integrative and Comparative Biology, The Crustacean Society, Sigma Xi, the New York Microscopical Society, and the Microscopical Society of America.

Dr. Factor is editor of the standard reference text on the American lobster, *Biology of the Lobster Homarus americanus* (Academic Press, 1995).

His long-standing relationship with the Shoals Marine Laboratory (Cornell University, Appledore Island, Maine) includes being a Core Faculty member of during summers since 1981; he is course director for the Field Marine Science and Biology of the Lobster courses.

Dr. Factor's research interests include:

- the development, functional morphology, histology, and ultrastructure of the digestive system of the American lobster, *Homarus americanus*;
- the mouthparts of *Homarus americanus* (and other crustaceans), including feeding and functional morphology, larval feeding, and the presence and distribution of cyclophoran symbionts;
- cellular immunity in *Homarus americanus*, specifically the removal of foreign particles from the blood; and
- the systematic implications of complex basement membrane ultrastructure in arthropods.

His research is published in a variety of scientific journals, including the *Journal of Morphology*, *Journal of Crustacean Biology*, *Biological Bulletin*, *Anatomical Record*, *Journal of the Marine Biological Association*, U.K., *Bulletin of the Biological Society of Washington*, *American Naturalist*, *Drosophila Information Service*, and *Chromatin*.