

Curriculum vitae
Mark Nowel
Providence College
Providence, R.I. 02918

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Education:

- B.S. 1974 Georgetown University Biology Department
- M.S. 1975 Georgetown University Biology Department
Thesis: *Wolffian Lens Regeneration*
- Ph.D. 1980 University of Leicester Zoology Department
Thesis: *Studies on the Developing Insect Visual System*
- M.Div.1985 Pontifical Faculty of the College of the Immaculate Conception,
Washington, D.C.
- Certificate, summer 2001 Harvard Institute for Higher Education, Management
Development Program

Employment:

- 7/09-present Dean of Undergraduate and Graduate Studies, Providence College
- 8/00-6/09 Dean of Undergraduate Studies, Providence College
- 6/00-8/00 Visiting Research Fellow, University of Leicester, England
- 1/00-8/00 Associate Dean of Undergraduate Studies, Providence College
- 9/99-present Associate Professor of Biology, Providence College
- 9/87-9/99 Assistant Professor of Biology, Providence College
- 7/93-present Assistant Director of Vocations, St. Joseph Province
- 1/98-8/98 Visiting Research Fellow, University of Leicester, England
- 6/94 Visiting Research Fellow, University of Leicester, England
- 5/92-8/92 Visiting Research Fellow, University of Leicester, England
- 1/91-6/91 (Interim) Academic Advisor for Athletics, Providence College
- 5/91-8/91 Visiting Research Fellow, University of Leicester, England
- 7/88-6/90 Director of Residence Life, Providence College
- 9/86-788 Hall Director, Residence Life, Providence College
- 8/86-9/87 Adjunct Instructor of Biology, Providence College
- 5/83-8/83 Research Fellow, Georgetown University
- 8/80-5/85 Novice/Student, Dominican House of Studies, Wash., D.C.
- 6/77-7/80 Research Assistant, University of Leicester, England
- 9/75-6/77 Fulbright Scholar, University of Leicester, England
- 6/74-6/75 Biology and Chemistry teacher, St. John's College High School, Washington,
D.C.

Honors:

Phi Beta Kappa
Alpha Sigma Nu (National Jesuit Honor Society)
Sigma Xi (National Science Honor Society)
B.S. magna cum laude
Georgetown University Biology Medal, 1974
M.S. with distinction
Fulbright-Hays Scholarship, 1974, 1975
Who's Who Among College Teachers, 1998

University Teaching Experience:

University of Leicester:

Tutor:

General Zoology
Animal Development;

Teaching Assistant:

General Zoology
Animal Development
Biology of Chordates
Biology of Nonchordates
Parasitology
Animal Diversity
Electron Microscopy

Providence College:

NSC 202 Natural Science II
BIO 101-102 Contemporary Biology
BIO 104 General Biology
BIO 103-104 General Biology (Laboratory)
BIO 112 Biology: A Human Approach (Lecture and Laboratory)
BIO 122 Human Biology
BIO 215 Histology and Cytology (Lecture and Laboratory)
BIO 320 Developmental Biology (Lecture and Laboratory)
BIO 410 Electron Microscopy (Lecture and Laboratory)

Publications:

- Ph.D. Thesis: Studies on the Developing Insect Visual System, submitted to the University of Leicester in August, 1979.
- Nowel, M.S., and G.B. Chapman (1976). The ultrastructure of implanted trophoblast cells of the yellow agouti mouse. *J. Anat.* 122, 177-188.
- Nowel, M.S., and P.M.J. Shelton (1980). The eye margin and compound-eye development in the cockroach: evidence against recruitment. *J. Embryol. exp. Morph.* 60, 329-343.
- Nowel, M.S. (1980). Ommatidium assembly and formation of the retina-lamina projection in interspecific chimeras of cockroach. *J. Embryol. exp. Morph.* 60, 345-358.
- Nowel, M.S., and P.M.J. Shelton (1981). A Golgi-electron-microscopical study of the structure and development of the lamina ganglionaris of the locust Optic Lobe. *Cell Tissue Res.* 216, 377-401.
- Nowel, M.S. (1981). Formation of the retina-lamina projection of the cockroach: no evidence for neuronal specificity. *J. Embryol. exp. Morph.* 62, 241-258.
- Nowel, M.S. (1981). Postembryonic growth of the compound eye of the cockroach. *J. Embryol. exp. Morph.* 62, 259-275.
- Nowel, M.S., P.M.J. Shelton, and R.O. Stephen (1995). Functional organisation of the metathoracic femoral chordotonal organ in the cricket *Acheta domestica*. *J. Exp. Biol.* 198, 1977-1988.
- Nowel, M.S., P.M.J. Shelton, and P.J. Herring (1998). Cuticular photophores of two decapod crustaceans, *Oplophorus spinosus* and *Systellaspis debilis*. *Biol. Bull.* 195, 290-307.
- Nowel, M.S., P.M.J. Shelton, P.J. Herring, and E. Gaten (2002). Observations on the cuticular photophores of the sergestid shrimp *Sergia grandis* (Sund 1920). *Crustaceana* 75, 551-566.
- Gaten, E., P.M.J. Shelton, and M.S. Nowel (2003) Interspecific variations in the morphology and ultrastructure of the rhabdoms of oplophorid shrimps. *J. Morphology* 257, 87-95.
- Gaten, E., P.M.J. Shelton, and M.S. Nowel (2004) Contrast enhancement through structural variations in the rhabdoms of oplophorid shrimps. *Marine Biology* 145, 499-504.