

## Curriculum Vitae: Kathy M. Gillen

### Education:

Yale University	Pharmacology	Ph.D. (1989-1995)
S.U.N.Y. at Geneseo	Biochemistry	B. Sc. (1985-1989)

### Research experience:

May 2019- present	Molecular mechanisms of regeneration in <i>Lumbriculus variegatus</i> .
Oct. 1995-June 1997	Postdoctoral Fellow with Dr. Henrik Dohlman at Yale University, "Molecular determinants of G protein plasma membrane targeting."
1991-Sept. 1995	Ph.D. thesis with Dr. L. Roman at Yale University, "Role of cellular retinoic acid binding protein I in retinoic acid induced differentiation of F9 cells."
summer 1991	Received funding to participate in laboratory course 333H, Molecular approaches to ion channels, Hopkins Marine Station, Monterey, CA.
summer 1988	Student research fellow funded by Research Foundation of State of New York under the direction of Dr. D.K. Geiger.
1988-1989	SUNY Geneseo senior research under the direction of Dr. R. O'Donnell, "Effects of tumor necrosis factor on L1 tumor cell line growth."

### Teaching experience:

1987-1989	Teaching assistant for Chemistry 113-114 laboratory, SUNY Geneseo.
1992-1993	Lecturer in Physician's Associates Surgical Residents Physiology course, Yale University.
1993-1996	Supervised and mentored undergraduate and graduate students while in the laboratories of Drs. Roman and Dohlman, Yale University.
1999-2002, '05, '06	HHMI Summer Math/Science Pre-college Program for first generation college students.
2000-2005	Visiting Assistant Professor, Department of Biology, Kenyon College.
2005- Present	Assistant Professor of Biology, Kenyon College

### Classes taught at Kenyon:

Biology 115	Energy in Living Systems
Biology 116	Information in Living Systems
Biology 109	First semester Introductory Biology lab
Biology 110	Second semester Introductory Biology lab
Biology 238	Microbiology
Biology 315	Cell Signaling
Biology 263	Molecular Biology and Genomics
Biology 266	Cell Biology

### Honors and Awards:

New York State Regents Scholarship, 1985-1989  
Jackson - Ulmer Biochemistry award for outstanding biochemistry major, SUNY Geneseo, 1989. Graduated

summa cum laude and Phi Beta Kappa  
American Institute of Chemists student award, 1989.  
National Science Foundation Graduate Fellowship 1990-1993

### **Publications:**

#### ***Text book chapters:***

Two appendix chapters in and glossary for J. L. Slonczewski and John W. Foster, January 2008,  
***Microbiology: An Evolving Science***. W. W. Norton & Co., New York.

#### ***Papers:***

**Gillen KM**; Pausch M; Dohlman HG. N-terminal domain of Gpa1 (G protein alpha) subunit is sufficient for plasma membrane targeting in yeast *Saccharomyces cerevisiae*. Journal of Cell Science vol. 111 (Pt 21) (1998 Nov): 3235-44.

Dohlman HG; Song J; Apanovitch DM; DiBello PR; **Gillen KM**. Regulation of G protein signalling in yeast. Seminars in Cell and Developmental Biology vol. 9, no. 2 (1998 Apr): 135-41.

Gillen, C.M.; Somple, M.\*; Heilman, N.R.\*; Watson, N.\*; Blair, C.R.\*; Stulberg, M.\*; Thombre, R.\*; **Gillen, K.**; Itagaki, H. The cation chloride cotransporter, masBSC, is widely distributed in *Manduca sexta*. Journal of Insect Physiology 52: 661-668, 2006.

#### ***Abstracts:***

LaRocca-Stravalle, Z.\* Kauffman J.\*, **Gillen K**. Labial A and Post-1 Hox genes expression in *Lumbriculus variegatus*. Society for Integrative and Comparative Biology Meeting. Abstract P1-5 (Austin, Texas 2020).

**Gillen KM**, Fischer Fielding\*, Valin Liana\*. Preliminary survey of homeodomains in *Lumbriculus variegatus*. The Physiologist Vol. 62 No.1, abstract # 28.43 (2019)

Gillen, C.M., Heilman\*, N.R., Watson\*, N., Somple\*, M., **Gillen, K.M**. Tissue distribution of the cation-chloride cotransporter, masBSC, in *Manduca sexta*. Society of Integrative and Comparative Biology, Toronto, Canada, January 2003.

**K.M. Gillen** and L.M. Roman. Role of cellular retinoic acid binding protein I in retinoic acid induced differentiation of F9 cells. American Society for Cell Biology, 1993.

R.W. O'Donnell, M. Albright, **K.M. Jonason** and K. Thompson. Tumor enhanced growth with TNFa and IFNg in the L1 tumor model. American Association for Cancer Research, 1989.

\*= indicates undergraduate student

### **Professional Society memberships:**

American Association for the Advancement of Science 1990- Present  
Society for Comparative and Integrative Biology 2019- Present