

*Curriculum Vitae*

**Gail K. Grabner, Ph.D.**

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**EDUCATION**

**Doctor of Philosophy**, Biochemistry, University of Illinois at Urbana-Champaign, Urbana, IL, 2002

**Master of Science**, Biochemistry, University of Illinois at Urbana-Champaign, Urbana, IL, 1995

**Bachelor of Science**, Chemistry, University of Illinois at Urbana-Champaign, Urbana, IL, 1992.

**ACADEMIC/TEACHING EXPERIENCE**

**Lecturer**, University of Texas at Austin, Department of Chemistry and Biochemistry, Austin, TX, *August 2011 – Present*

- Conduct lectures in biochemistry for CH 369
- Manage course web site.
- Assign and manage teaching assistants for course.
- Evaluate graduate teaching assistants assigned to course.
- Design and implement course policies.
- Compose questions for web-based assignments.
- Manage web-based student assignments.
- Prepare recommendation letters for students making application to graduate, medical, and professional programs.
- Work with the Center for Teaching and Learning in implementing the PLUS program for CH369
- Meet weekly with course PLUS preceptors to help guide study sessions
- Redesign and implement course policies to comply with the flipped model

**Lecturer**, University of Illinois at Urbana-Champaign, School of Molecular and Cellular Biology, Urbana, IL, *January 2005 – June 2011*

- Conduct lectures in microbiology and biochemistry.
- Personal instruction for undergraduate and graduate students in a laboratory setting.
- Manage course web site.
- Assign and manage teaching assistants for course.
- Evaluate graduate teaching assistants assigned to course.
- Recommend graduate teaching assistant(s) for departmental teaching awards.
- Radiation supervisor for laboratory course.
- Manage annual course budget, which includes equipment, supplies, and miscellaneous expenses.
- Design and implement course policies.

- Compose questions for web-based assignments and convert to html code.
- Manage web-based student assignments.
- Design and implement new experiments in microbiology and biochemistry.
- Write and edit course laboratory manuals.
- Preparatory bench work for laboratory course on bacterial and viral pathogens.
- Prepare recommendation letters for students making application to graduate, medical, and professional programs.
- Prepare and oversee additional experiments and assignments for students in partial completion of a James Scholar Honors program.
- Attend bimonthly meetings of the School of Molecular and Cellular Biology instructional staff

**Lecturer**, University of Illinois at Urbana-Champaign, Microbiology Department, Urbana, IL, *August 2002 – December 2004*

- Teach undergraduate students.
- Evaluate graduate teaching assistants assigned to courses.
- Order supplies for microbiology laboratory course.

**Visiting Lecturer**, University of Illinois at Urbana-Champaign, Biochemistry Department, Urbana, IL, *August 1998 – August 2001*

- Teach undergraduate and graduate students.
- Assign and manage teaching assistants for course.
- Evaluate graduate teaching assistants assigned to course.
- Recommend graduate teaching assistant(s) for departmental teaching award.
- Radiation supervisor for laboratory course.
- Manage annual course budget, which includes equipment, supplies, and miscellaneous expenses.

**Graduate Teaching Assistant**, University of Illinois at Urbana-Champaign, Biochemistry Department, Urbana, IL, *August 1994 –December 1994*

- Teach undergraduate students in laboratory course.
- Prepare reagents and pre-run course experiments.
- Grade lab reports.

**Graduate Teaching Assistant**, University of Illinois at Urbana-Champaign, Biochemistry Department, Urbana, IL, *August 1992 –May 1993*

- Teach undergraduate students.
- Attend weekly staff meeting for all teaching assistants.
- Proctor course exams.
- Prepare and grade weekly quizzes.
- Grade homework assignments.

## COURSES TAUGHT

### Undergraduate

- CHEM101-TV: Introductory Chemistry Lecture
- CHEM102: Introductory Chemistry Lab
- BIOCHEM355/356: Advanced Biochemistry Lecture and Lab
- MCBIO 201/MCB 301: General Microbiology Lab for Majors
- MCBIO328/MCB 428: Bacterial and Viral Pathogens Lab
- MCBIO200/MCB 300: General Microbiology Lecture
- BIOC455: Advanced Biochemistry Lab
- CH369: Fundamentals of Biochemistry

## CONTRIBUTIONS to COURSE DEVELOPMENT

- Developed and modified experiments for MCB 301: General Microbiology Lab for Majors.
- Designed and developed additional experiment for MCB 428: Bacterial and Viral Pathogens Lab.

## ACADEMIC HONORS AND AWARDS

- College of Liberal Arts and Sciences Outstanding Teaching Assistant Award, University of Illinois at Urbana-Champaign, 1993-1994 (*Chemistry*).
- Teacher Ranked as Excellent, University of Illinois at Urbana-Champaign
  - Semesters ranked: *Fall 2004 (Microbiology); Fall 2005 through Spring 2010 (Microbiology and Biochemistry)*.

## PUBLICATIONS

- Turner, R.J., Bonner, E.R., Grabner, G.K., and Switzer, R.L.: "Purification and Characterization of *Bacillus subtilis* PyrR, a Bifunctional *pyr* mRNA-binding Attenuation Protein/Uracil Phosphoribosyltransferase," *Journal of Biological Chemistry*. Mar. 1998.
- Ghim, S.Y., and Kim, C.C., Bonner, E.R., D'Elia, J.N., Grabner, G.K., and Switzer, R.L.: "The *Enterococcus faecalis pyr* Operon Is Regulated by Autogenous Transcriptional Attenuation at a Single Site in the 5' Leader," *Journal of Bacteriology*. Feb. 1999.
- Grabner, G.K., and Switzer, R.L.: "Kinetic Studies of the Uracil Phosphoribosyltransferase Reaction Catalyzed by the *Bacillus subtilis* Pyrimidine Attenuation Regulatory Protein PyrR," *Journal of Biological Chemistry*. December, 2002.
- Chander, R., Halbig, K.M., Miller, J.K., Fields, C.J., Bonner, H.K.S., Grabner, G.K., Switzer, R.L., and Smith, J.L.: "Structure of the Nucleotide Complex of PyrR, the *pyr* Attenuation Protein from *Bacillus caldolyticus*, Suggests Dual Regulation by Pyrimidine and Purine Nucleotides," *Journal of Bacteriology*. Mar. 2005

## SERVICE -- UNIVERSITY

- Member, MCB Distinction Committee, 2004 - Present
- Teaching Assistant Coordinator, 2002 – Present
- Awarder and Presenter of Annual Francis Clark Award for Outstanding Microbiology Teaching Assistant, 2002 – Present
- Presenter of Annual Teaching Awards, 2002 – Present

## REFERENCES

Available upon request.

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