

THOMAS E. GOYNE

Associate Professor of Chemistry



Contact Information:

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Education:

- B.S. Chemistry, 1978, Union College
- Ph.D. Organic Chemistry, 1983, UCLA

Professional Societies:

- American Chemical Society
- Council of Undergraduate Research
- Midwestern Association of Chemistry Teachers in Liberal Arts Colleges (MACTLAC)

Honors or Distinctions:

- UCLA Chemistry Department Teaching Assistant Awards; 1978-9 and 1979-80
- UCLA Department Fellowship; Winter 1983
- NIH Institutional Traineeship in Tumor Biology; 1984
- NIH Institutional Traineeship in Carcinogenesis; 1986
- Outstanding Chemistry Lecturer, Cal. State U., Long Beach; 1987-88 (Chosen by the CSULB chemistry students.)
- Award for Teaching Excellence at the Freshman Level; 1994. Alpha Lambda Delta (Freshman honor society)

Teaching specialty:

General Chemistry, Biochemistry

Research interests:

The role of chloramines and other reactive oxidants in killing of microbes by neutrophils.

Selected Publications:

Suzanne M. Furness-Green, Tracy R. Inskeep, Jennifer J. Starke, Lu Ping, Heather R. Greenleaf-Schumann and Thomas E. Goyne. "High Performance Liquid Chromatographic Analysis of Amino Acid - and Peptide - Derived Chloramines" *Journal of Chromatographic Science* 1998, 36, 227-236

Thomas E. Goyne and David S. Sigman. "Nuclease Activity of 1,10-Phenanthroline-Copper Ion. Chemistry of Deoxyribose Oxidation" *Journal of the American Chemical Society* 1987, 109, 2846-2848

Michio Kuwabara, Chun Yoon, Thomas Goyne, Theodore Thederahn, and David S. Sigman. "Nuclease Activity of 1,10-Phenanthroline-Copper Ion: Reaction with CGCGAATTCGCG and its Complexes with Netropsin and EcoRI" *Biochemistry* 1986, 25, 7041-7408

Yasuhiko Araki, Diane C. Dobrowolski, Thomas E. Goyne, Douglas C. Hanson, Zhi Q. Jiang, Kenneth J. Lee, and Christopher S. Foote. "Chemistry of Singlet Oxygen. 47. 9,10-Dicyanoanthracene-Sensitized Photooxygenation of Alkyl-Substituted Olefins" *Journal of the American Chemical Society* 1984, 106, 4570-4576

Christopher S. Foote, Thomas E. Goyne, and Robert I. Lehrer. "Assessment of Chlorination by Human Neutrophils" *Nature* 1983, 301, 715-716

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