

Joseph M. Ryan

17339 Valley Oak Drive, Sonora, CA 95370

Home 209-588-0477 Cell 209-559-1551 Office 209-588-5151

ryanj@yosmeite.edu

ACADEMIC BACKGROUND

Ph. D. Organic Chemistry, June 1994

University of California, Davis, CA

Dissertation title: Synthesis of Benzoporphyrin Derivatives and Pyrrole Synthesis Methodology

- Synthesized 32 new organic compounds
- Invented a highly efficient chlorophyll-a extraction procedure
- Invented new alkene sulphone route to pyrroles
- Headed the HPLC part of the research group
- Grew crystals and ran crystal structures of multiple new compounds
- Earned graduate course level teaching assistant positions in organic synthesis and spectroscopy
- Was acknowledged with two teaching awards
- Generated one patent for multiple new compounds used in photodynamic therapy of tumors
- Published two journal articles and one dissertation

B.S. Biochemistry, May 1988

San Francisco State University, San Francisco, CA

A.A. Liberal Arts, May 1984

Chabot College, Hayward, CA

GRANTS and AWARDS

Five time Who's Who in America Listing

Fall 2001 Co-author of \$140K NSF Biotechnology Grant

Spring 2001 \$5000 California Virtual Campus Web Development Grant

1999-2000 Key Educator of the Year Elk Grove Unified School District

1990-91 UC Davis campus wide teacher award

1989-90 UC Davis outstanding chemistry teacher award

PUBLICATIONS and PATENT

1993 R. K. Pandey, N. Jagerovic, J. M. Ryan, T. I. Dougherty and K. M. Smith. Efficient Syntheses of New Classes of Regiochemically Pure Benzoporphyrin Derivatives. Bioorganic and Medicinal Chemistry Letters 3:2615.

1996 R. K. Pandey, N. Jagerovic, **J. M. Ryan**, T. J. Dougherty and K. M. Smith. Syntheses and Preliminary in vivo Photodynamic Efficacy of Benzoporphyrin Derivatives from Phylloerythrin and Rhodoporphyrin XV Methyl Esters and Aspartyl Amides. Tetrahedron 52:5349.

K. M. Smith, R. K. Pandey, J. M. Ryan, N. Jagerovic and T. J. Dougherty. Rhodoporphyrin and Phylloerythrin Related Photosensitizers for Photodynamic Therapy. US Patent US 5,506,255. Issued April 9, 1995; Application filed December 1, 1993.

Joseph M. Ryan

17339 Valley Oak Drive, Sonora, CA 95370

Home 209-588-0477 Cell 209-559-1551 Office 209-588-5151

ryanj@yosmeite.edu

WORK EXPERIENCE

- Department Chair**, Columbia College Fall 2002 to present
- Managed yearly budget and purchasing
 - Prepared and Analyzed Program Review material
 - Wrote new curriculum for four new courses
 - Coordinated scheduling with other departments to minimize conflicts
 - Hired and trained three adjunct faculty
- Professor of Chemistry**, Columbia College Fall 2002 to present
- Wrote curriculum for four new courses
 - Designed entire laboratory series for all classes
 - Designed web site for transparent learning environment
 - Implemented POGIL teaching methods
 - Increased retention rates to as much as 84.2% from 34.6%
 - Increased department offerings by 201.5%
 - Increased FTE by 492%
- Curriculum Committee Chair**, Columbia College Spring 2005 to present
- Coordinated web based system conversion - CurricUNET
 - Helped faculty initiate, edit, and transform curricula
 - Streamlined curriculum timeline for minimum “hold up” time
 - Created electronic catalog addendum to help with “late” courses
 - Presented curriculum seminars at semester in service days
 - Instituted adjunct faculty review stipends to increase review rates
 - Reduced “old wood” courses to help with accreditation review
- Professor of Chemistry**, Irvine Valley College Fall 2000 to Spring 2002
- Chair of Distance Education Committee
 - Energized general and organic chemistry lecture and lab instruction
 - Designed and implemented 250+ page general chemistry web site
 - Organized, purchased and integrated new GC equipment into organic chemistry lab program
 - Coordinated biotechnology program planning with local businesses
 - Ran “Mad Chemist” magic show for K-3rd graders
- Full Time Visiting Lecturer**, California State University, Stanislaus Spring 2000
- Lectured in general chemistry and chemistry for non-science majors
 - Increased completion rate by over 112% for the second semester general chemistry course
 - Ran multiple laboratory sections
 - Assisted with graduate student research program
- Associate Professor**, Sacramento City College Fall 1993 to Spring 2000
- Lectured in general, organic, and biochemistry courses
 - Designed new cost effective micro scale labs
 - Facilitated the CAMPS student education enrichment program for underrepresented students
- Lecturer**, Cosumnes River College Spring 1998 to Summer 1998
- Facilitated student centered general chemistry course
 - Earned the Elk Grove Unified School District key educator award
 - Energized summer preparatory chemistry program and increased retention

Joseph M. Ryan

17339 Valley Oak Drive, Sonora, CA 95370

Home 209-588-0477 Cell 209-559-1551 Office 209-588-5151

ryanj@yosmeite.edu

Lecturer, University of California, Davis January 1995 to June 1995

- Lectured in organic chemistry for 240 + pre health professionals
 - Organized successful weekly office hours with 20+ students in attendance
 - Supervised 9 professional staff in teaching of lab work
- Average evaluation 3.2/4.0

Lecturer, Sierra College, Rocklin California Spring 1995

Took charge of the evening general chemistry course
Facilitated basic chemical principles in non-science majors course

Lecturer, American River College Spring 1993

Lectured in pre general chemistry course
Wrote hands on "non-cook book" labs for the students
Taught beginning physical sciences laboratory

Graduate Teaching Assistant, University of California, Davis Fall 1988 to Spring 1992

Earned two teaching awards
Designed new lab experiments for organic chemistry course
Wrote intricate problem sets for graduate spectroscopy course
Held extensive review sessions for graduate level organic synthesis course
Performed efficiently as head teaching assistant for five appointments
Organized educational training for the other teaching assistants