

Robert L. Potter – Principal Investigator

Professor of Chemistry
University of South Florida
Tampa, FL: 33620

Education:

<u>Institution</u>	<u>Field of Study</u>	<u>Degree</u>	<u>Date</u>
Calif. State Univ., Sacramento	Chemistry	B.A.	1973
Univ. of California, San Diego	Chemistry	M.S.	1976
Univ. of California, San Diego	Chemistry	Ph.D.	1979

Employment:

2001-present	Professor of Chemistry, University of South Florida
2000-present	Associate Director, Coalition for Science Literacy
1998-99	Interim Chair Dept. Chemistry University of South Florida
1994-present	Member, H. Lee Moffitt Cancer Center and Research Institute
1992-2001	Associate Professor of Chemistry, University of South Florida
1988-98	Consultant in Protein Chemistry to Bausch and Lomb Pharmaceuticals
1984-92	Assistant Professor of Chemistry, University of South Florida
1979-84	Assistant Professor of Biochemistry, University of Wyoming - non-tenure track

Awards:

Southeastern Association for the Education of Teachers in Science; Rod Nave Award for Outstanding Friend of Science Education 2001
Chemistry-Alumni Undergraduate Teaching Award, 1997
State of Florida Teaching Incentive Program, Excellence in Undergraduate Teaching, 1993&1996
Excellence in Undergraduate Teaching, University of South Florida, 1989

Publications: related

- (In press 2006) “Why Teachers Leave: Factors that Influence Retention or Resignation”, Gladis Kersaint, Jennifer Lewis, Robert Potter and Gerry Meisels, Teaching and Teacher Education
- (2005) “Enhancing Teacher Preparation and Improving Faculty Teaching Skills: Outcomes and Lessons Learned from Implementing “Science That Matters” a Standards Based Interdisciplinary Science Course Sequence” Robert Potter and Gerry Meisels, Journal of Science Education and Technology ISSN: 1059-0145 (paper) 1573-1839 (Online) Volume 14, Number 2’ June 2005; Pages: 191-204
- (2004) “Science That Matters” Vol II, 1st Ed.; Modules to Support an Interdisciplinary Approach to College Science for Future Teachers and Other Non science Majors, Kendall/Hunt Publishers, Robert Potter and Gerry Meisels Editors (ISBN 0-7575-0018-8)
- (2003) “Science That Matters” Vol I, 2nd Ed.; A Modular, Standards Based and Interdisciplinary Approach to College Science for Future Teachers and Other Non science Majors, Kendall/Hunt Publishers, Robert Potter and Gerry Meisels Editors (ISBN 0-7575-0307-1).
- (2001) “Science That Matters” Vol I; A Modular Interdisciplinary Approach to College Science for Future Teachers and Other Non science Majors, White Oaks Press, Robert Potter and Gerry Meisels Editors
- (2001) Journal of Chemical Education “Biocatalytic Lactone Production in Genetically Engineered E-coli and Identification by Gas Chromatography and Mass Spectroscopy”; C. Slawson, J. Stewart and R Potter, vol. 78, No. 11 November 2001

Other Publications :

- (2005) "Selective Decrease of Membrane Associated PKC- α and PKC- ϵ in Resp[onse to Elevated Intracellular GlcNAc Levels in Transformed Human Glial Cells"; Jason A. Matthews¹, Mildred Acevedo-Duncan^{1,2}, and Robert L. Potter¹, Department of Chemistry, University of South Florida¹, James A. Haley Veterans Hospital², Tampa, FL 33620 *Biochemica et Biophysica Acta* 1732, 305-315
- (2005) *Biochemica et Biophysica Acta* "Selective Decrease of Membrane Associated PKC- α and PKC- ϵ in Response to Elevated Intracellular O-GlcNAc Levels in Transformed human Glial Cells"; Jason A. Matthews¹, Mildred Acevedo-Duncan^{1,2}, and Robert L. Potter^{1,3,1} Department of Chemistry, University of South Florida, , ²James A. Haley Veterans Hospital, Tampa, FL, 33620
- (2002) *Biochimica Biophysica Acta* "Characterization of the O-GlcNAc Protein Modification in *Xenopus laevis* Oocyte During Oogenesis and Progesterone Stimulated Maturation" Chad Slawson, Susan Shafii, James Amburgey, and Robert Potter, Nov.2002, 1573 pp121-129
- (2002) *Transfusion* "UV-visible Spectrophotometric Approach to Blood Typing II: Phenotyping of Subtypes A₂ and Weak D and Whole Blood Analysis"; S. Narayanan, L Galloway, A. Nonoyama, G. Leparc, L. Garcia-Rubio and R. Potter, vol 42,(2002),1-8

Synergistic Activities:

- 1) Co-organizer for the Florida statewide Summit on Improving Mathematics and Science Education held February 2005. <http://www.flsummit.usf.edu/>
- 2) Chair University of South Florida General Education Council 2005-2008
- 3) Reviewer for Florida Comprehensive Assessment Test in Science and Florida Chemistry Teacher Competency Examinations 2000-2005
- 4) SENCER (Science Education for New Civic Engagements and Responsibilities) Scholar for the new science course "Science That Matters"; AACU in conjunction with the NSF joint sponsors of SENCER program (2000-2005).

Grants and Contracts: (related to education)

- 2005 Florida Department of Education National Title IIB Mathematics and Science partnerships "Mathematics and Science Teacher Recruitment and Support (MASTERS): Recruitment Preparation Support and Retention of alternative Entrant Teachers. Gerry G. Meisels, PI, Robert L. Potter and Gladis Kersaint, co-PIs, University of South Florida; Barbara Anderson, co-PI School District of Hillsborough County, and Judith Lombana, co-PI, Museum of Science and Industry. 4/30/05-6/30/06 (1,042,994 total)
- 2004 USDOE-Florida MULTI-University Reading, Mathematics And Science Initiative (MURMSI) For Phase II Pilot Study Understanding Resignations Of, Science Mathematics, And Reading Teachers (UR-SMART P2) Gerry G. Meisels, PI, Jennifer Lewis, and Robert Potter Co-Principal Investigators; University of South Florida, Roger O'Brian Polk Co. Schools; 8/15/04-7/31/05, \$142,074 (\$149,178)
- 2004 National Science Foundation "Florida Summit on Science and Mathematics Education" Gerry G. Meisels, PI, Robert Potter, co-PI University of South Florida and Florida Coalition for Improving Mathematics and Science Literacy, Marsha Winegarner, co-PI, Florida Department of Education Penny Haskins, Radiation Technologies, Inc. and Florida Coalition for Improving Mathematics and Science Literacy, , 10/1/04-9/30/06, \$142,798 (\$157,798)
- (2003) NSF (DUE 0231179) "Science That Matters": A Standards Based Interdisciplinary Science Course for Non-Science Majors and Future Elementary School Teachers-Instructional Material Upgrade and Multi-site Implementation. R. Potter PI, B. Cochrane, D. Zeidler and G Meisels Co-PIs 2/1/03-1/31/06 \$96,500, (\$104,269 total)