

Robert L. Potter
Associate Director Coalition for Science Literacy
Professor of Biochemistry/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:

2007-present	Associate Dean, College of Arts & Sciences
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

- (2007) "Science Education in Florida" G. G. Meisels, R. L. Potter, and T. Baird, The Florida Humanist Journal 1, 4 (2007)
- (2006) "Florida's Science Standards – How Do They Measure Up" (Editorial) G. G. Meisels and R. L. Potter, Tampa Tribune, March 17, 2006
- (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
- (2003) "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 :

- (In press 2006 Molecular and Cellular Biochemistry) Glucosamine-induced Akt phosphorylation corresponds to increased endoplasmic reticulum stress and not to increased O-GlcNAc or oxidative stress in astroglial cells Jason Matthews, Jonathan L Belof; Mildred Acevedo-Duncan,; Robert Potter,
- (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 1743 (2005), 305-315
- (2002) Biochemica 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

Synergistic Activities:

- 1) Advisory Board for Florida Department of Education's Office of Mathematics & Science
- 2) Member of Framers Committee to redesign the Sunshine State Standards in Science.
- 3) Co-organizer for the Florida statewide Summit on Improving Mathematics and Science Education held February 2005. <http://www.flsummit.usf.edu/>
- 4) Chair University of South Florida General Education Council 2005-2008
- 3) College of Arts and Science /College of Education Advisory Council 2005-2007
- 5) Project Kaleidoscope Leadership Team for improving mathematics and science instruction at USF
- 6) Reviewer for Florida Comprehensive Assessment Test in Science and Florida Chemistry Teacher Competency Examinations 2000-2006
- 7) 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).

Recent Grants and Contracts: (related to education)

- 2007 Florida Center for Research in Science, Technology, Engineering and Mathematics at Florida State University. "External Evaluation of Florida's 10 Science Partnership Projects". Gerry Meisels, PI, Robert Potter, Co-PI, University of South Florida. 7/1/2007-8/30/2008, \$471,280.
- 2006 USDOE Fund for Improvement of Postsecondary Education (FIPSE). "Marketing of Science Teachers and Induction (MOSTI). Robert Potter, PI, Gerry Meisels, co-PI, University of South Florida; Andi Ringer, co-PI, School District of Hillsborough County; and Judith Lombana, co-PI, Museum of Science and Industry. 10/1/06-9/30/2009, \$568,799.00 total
- 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)

(2002) 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)

2002 US Dept. Education " Mathematics and Science Teacher Recruitment, Alternative Certification, and Induction (MASTRACI)", Hillsborough County Schools, The Tampa Museum of Science and Industry and the University of South Florida, G. Meisels PI, R. Potter, J. Lombana and N. Marsh Co-PI's; 10/01/02 – 9/31/06 \$723,167 (\$1,265,520 total)