

CURRICULUM VITAE

SAMUEL H. YALKOWSKY

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Education

<u>College</u>	<u>Date</u>	<u>Degree</u>	<u>Major</u>
College of Pharmacy Columbia University, New York	1960-1965	B.S.	Pharmacy
College of Pharmacy University of Michigan	1965-1969	Ph.D.	Pharm. Chem
Dissertation Advisor:	George Zografi		
Dissertation Title:	Potentiometric Titration of Some Acylcarnitines		

Academic and Professional Appointments

Date	Appointment	Organization
1982-Present	Professor of Pharmaceutical Sciences	College of Pharmacy, University of Arizona, Tucson, Arizona
1975-1982	Senior Research Scientist III	Pharmacy Research Unit, The Upjohn Company, Kalamazoo, Michigan
1972-1975	Research Scientist II	Pharmacy Research Unit, The Upjohn Company, Kalamazoo, Michigan
1969-1972	Scientist I	Pharmacy Research Unit, The Upjohn Company, Kalamazoo, Michigan

Current Research Interests

1. The relationship between chemical structure and physicochemical properties.
2. The effect of the above on transport through synthetic and biological membranes.
3. Solubilization by surfactants, cosolvents, and complexing agents.
4. Dosage form design.
5. Melting phenomena.

Academic Awards and Honors

<u>Award</u>	<u>Date</u>
Recognition for Undergraduate Research	1961-1963
Rho Chi Award	1962
Dean's List	1964-1965
Harry Taub Memorial Fellowship	1965
Ebert Prize* (Publication #6)	1973
Ebert Prize* (Publication #15)	1975
Fellow, Academy of Pharmaceutical Sciences	1980
Geigy Visiting Professorship, Univ of Manchester	1984
Fellow, American Association \ of Pharmaceutical Scientists	1986
Proctor and Gamble Award Symposium	1989
Proctor and Gamble Award Symposium	2000
Proctor and Gamble Award Symposium	2001
<u>U of A Graduate Teaching and Mentoring Award</u>	<u>2001</u>

* Yearly award given to the author(s) of the most outstanding original research article in the Journal of Pharmaceutical Sciences.

Current Research Support

<u>Granting Agency</u>	<u>Project Title and Number</u>	<u>Begin</u>	<u>End</u>	<u>Total \$</u>
National Cancer Institute	Development of dosage forms and delivery systems for antitumor agents	06-07	06-12	\$1,963,561
Cempra Pharma	Formulation studies	01-12		130,000

Previous Research Support

<u>Granting Agency</u>	<u>Project Title and Number</u>	<u>Begin</u>	<u>End</u>	<u>Total \$</u>
Novartis	Unspecified	01-07	01-08	\$20,000
Pfizer	Unspecified	01-07	01-08	\$10,000
Abbott	Evaluation of Pyrrolidone Dimer	01-07	01-08	\$30,000
Proctor and Gambel	Technology Gift of 103 patents for cancer, AIDS and Hep C drugs	1-03	-----	87,000,000
Proctor and Gambel	Development of formulation for cancer, AIDS and Hep C drugs	01-03	01-05	\$1,200,000
TheraQuest Biosciences	Development of Ketoprofen Salts	06-04	06-05	\$30,000
Novartis	Unspecified	01-05	01-06	\$15,000
Novartis	Unspecified	1-00	12-04	30,000

Previous Research Support (Continued)

<u>Granting Agency</u>	<u>Project Title</u>	<u>Begin</u>	<u>End</u>	<u>Total \$</u>
Wyeth-Ayerst Laboratories	Precipitation of amiodarone	01-02	12-02	\$150,000
Novartis (Mexico)	Evaluation of cyclosporine formulations	06-02	12-02	\$ 30,000
National Cancer Institute	Development of dosage Forms and delivery systems for new drugs	7-97	6-02	1,079,000
Direct Therapeutics	Formulation development	1-01	12-01	45,000
Johnson and Johnson	Formulation evaluation	1-01	12-01	30,000
Wyeth Ayerst	Evaluation of ampoules	11-01	10-02	45,000
Zila	Evaluation of oral anaesthetics	9-01	12-01	20,000
Research Corporation	Studies on Fluesterone	1/1/98	6/1/98	10,000
Pharm Development Group	Formulation of Peptide	7/1/98	10/1/98	30,000
Otsuka America Pharmaceutical Company	Formulation of OPC-41061 For Clinical Trials	1/1/98	7/1/98	60,300
PhRMA	Measurement of Vapor Pressure	9/1/97	8/31/99	25,500
Pharmaceutical Research and Manufacturing Ass'n	Dynamic Determination of Hemolysis	9/1/97	8/31/98	5,500
Otsuka America Pharmaceutical Company	Developoment of Dosage Forms	1/1/97	4/1/98	50,000
Parke Davis	Evaluation of Dosage Forms	1/1/97	3/1/97	12,000
Otsuka America Pharmaceutical Company	Developoment of Dosage Forms	6/1/96	1/1/97	30,000
Knoll Pharmaceuticals	Formulation of Dexverapamil	6/1/93	1/1/96	72,000
Knoll Pharmaceuticals	Phlebitic Evaluation of Prototype Formulation	1/1/92	12/31/93	36,000
Environmental Protection Agency	Estimation of Vapor Pressure	10/1/92	9/31/94	240,642

Previous Research Support (Continued)

<u>Granting Agency</u>	<u>Project Title</u>	<u>Begin</u>	<u>End</u>	<u>Total \$</u>
Wyeth-Ayerst Laboratories	Formulation of Rapamycin Injection	1/1/93	12/31/93	48,000
Commission of the European Communities	AQUASOL dATABASE	7/1/93	6/30/94	34,347
National Cancer Institute	Development of Dosage Forms and Delivery Systems for New Drugs	7/1/92	6/30/97	996,898
The NutraSweet Company	Stabilization of Aspartame	6/1/90	5/31/91	55,000
Nelson Research	Formulation of N0861	10/1/89-	11/15/89	15,000
Merrell Dow	Formulation of Terfenadine	9/1/88-	8/31/89	25,000*
Environmental Protection Agency P.I.: R.C. Bales	Sorption and Partitioning of Hydro- phobic Organic Compounds <i>CO-P.I.: S.H. Yalkowsky</i>	7/15/87-	7/14/89	200,000 <i>60,000*</i>
Environmental Protection Agency P.I.: S. Rao	Sorption of Organic Pollutants on Soil Systems <i>CO-P.I.: S.H. Yalkowsky</i>	8/15/87-	8/14/89	200,000 <i>69,000*</i>
U. S. Environmental Protection Agency	Cosolvent Solubility Contract 812581-01	9/1/85-	2/28/87	153,237
Lederle	Formulation of Bisantrene	6/1/84-	5/30/85	25,000
Department of Defense	Estimation of Melting Point	3/1/84-	2/30/86	160,000
Environmental Protection Agency	Solubility Database	3/1/84-	3/30/86	168,000
Travenol Laboratories	Low Temperature Solubility Studies	1/1/84-	12/31/84	10,000
Parenteral Drug Association	Formulation of Insoluble Drugs	11/1/83-	10/30/84	10,000
University of Arizona P.I.: M. Furst	Otitis Media Prosthetic Device <i>Co-P.I.: S.H. Yalkowsky</i>	11/1/83-	10/30/84	12,000 <i>9,000*</i>
National Cancer Institute	Formulation of Insoluble Drugs	6/30/83-	6/29/86	353,000
Environmental Protection Agency P.I.: R. Pearlman	Prediction of Aqueous Solubilities CO-Op CR-810771 <i>Co-P.I.: S.H. Yalkowsky</i>	6/1/83-	5/31/86	248,000 <i>60,000*</i>

Symposia, Conferences, Short Courses and Lectureships

Academy of Pharmaceutical Sciences, Washington (1970)
Academy of Pharmaceutical Sciences, Chicago (1972)
Academy of Pharmaceutical Sciences, Orlando (1976)
Guest Faculty Member, Arden House Conference on Preformulation Research (1976)
Guest Faculty Member, School of Solution Therapy and Thermodynamics, London, England (1977)
Academy of Pharmaceutical Sciences, Hollywood, Florida (1978)
Conference on Prodrugs, Land O'Lakes (1978)
Adjunct Associate Professor, University of Wisconsin (1979)
Academy of Pharmaceutical Sciences, Kansas City, MO (1979)
Gordon Conference, Environmental Sciences-Water, NH (1980)"
Academy of Pharmaceutical Sciences, San Antonio, TX (1981)
Environmental Protection Agency Workshop, San Antonio, TX (1981)
Adjunct Associate Professor, SUNY at Buffalo (1982)
Association of Environmental Engineering Professors' Workshop, Purdue University (1982)
Academy of Pharmaceutical Sciences, San Diego, CA (1982)
American Chemical Society, Washington, DC (1983) "Sorption of Organic Materials"
Gordon Conference, Medicinal Chemistry, NH (1983)
Geigy Visiting Professor, University of Manchester, Manchester, England (1984)
Workshop on Physical Properties, University of California, Irvine, CA (1986).
SETAC Meeting, Washington, DC (1986).
SETAC, Alexandria, VA (1986) .
Arden House Workshop, New York (1987).
Visiting Scientist, Brookhaven National Laboratories, Upton, New York (1987)
Beilstein Workshop on the Estimation of Physical Data for Organic Compounds, Tyrol, Italy (1988)
North Eastern Region Pharmaceutical Association (1988)
Arden House Workshop, New York (1988)
Land O Lakes, International Industrial Pharmaceutical Research Conference (1988).
Pharm Tech Conference, New Jersey (1988)
International Workshop on QSAR in Environmental Toxicology Utrecht, The Netherlands (1990).
27 Congreso Nacional de Ciencias Farmaceuticas, Los Cabos, Mexico (1994)
American Association of Pharmaceutical Scientists, Seattle, (1996)
American Association of Pharmaceutical Scientists, Seattle, (2000)
Short Course on Solubility and Solubilization, Tucson, (2002)
Land o Lakes, Madison, (2002)
Short Course on Solubility and Solubilization, Ann Arbor, (2002)
QSAR Worksohp, Ottawa, (2002)
Short Course on Solubility and Solubilization, Tucson, (2003)
American Association of Pharmaceutical Scientists, Seattle, (2004)
Short Course on Solubility and Solubilization, Tucson, (2004)
Short Course on Solubility and Solubilization, Tucson, (2005)
Short Course on Solubility and Solubilization, Tucson, (2006)
Short Course on Solubility and Solubilization, Tucson, (2007)
Short Course on Solubility and Solubilization, Tucson, (2008)
Short Course on Solubility and Solubilization, Tucson, (2009)

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