

CURRICULUM VITAE

PATRICK P. DELUCA, Ph.D, RPh, Honn Doct

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PRESENT POSITION:

Professor Emeritus, Faculty of Pharmaceutical Sciences, University of Kentucky
College of Pharmacy, 789 S.Limestone Street, Room 385, Lexington, KY 40536-0082

PERSONAL DATA:

Birthdate - September 7, 1935, Scranton, PA

Wife - Judy; 6 children (Paul, Thomas, Patrick, Donald, Michelle, Michael)

EDUCATION:

Temple University, Philadelphia, PA

B.S. in Pharmacy - June 1957

M.S. in Pharmacy - June 1960

Thesis: "The Interaction of Quaternary Ammonium Compounds with Nonionic
Macromolecules"

Ph.D., Pharmaceutical Sciences - January 1963

Dissertation: "Photobinding and Photoreactivity of Riboflavin in the Presence
of Macromolecules"

PROFESSIONAL EXPERIENCE:

University of Kentucky College of Pharmacy

1998 - 2000	Interim Chair, Faculty of Pharmaceutical Sciences
1975 - 2012	Professor
1987 - 1988	Acting Director, Center for Pharmaceutical Science and Technology
1978 - 1987	Associate Dean
1972 - 1984	Division Director Pharmaceutical Technology Div. 1972-75, Drug Information & Technology 76-81, Drug Information, Evaluation & Technology 81-83, Clinical Practice 83-84.
1971 - 1978	Assistant Dean
1970 - 1975	Associate Professor

Industry

- 1969 - 1970 Cormedics Corporation, Somerville, N.J.
Plant Manager 1969, Director, Development and Control 1970. This was a joint venture between CIBA Pharmaceutical Co. and Corning Glass Co which developed and manufactured a patented unit dose injectable system.
- 1963 - 1969 CIBA Pharmaceutical Co., Summit, N.J.
Senior Research Pharmacist - January 1963 to May 1966.
Manager, Special Projects - May 1966 to Nov. 1966.
Plant Manager, Somerville, N.J. Operations, Nov. 1966 to February 1969. (Operations later became Cormedics Corp.)
- 1957 - 1959 Analytical Chemist, Smith Kline & French Labs, Philadelphia, PA.

Other

- 1961 - 1962 Temple University, College of Pharmacy, Philadelphia, PA
Laboratory Instructor (1961), Research Associate (1962).
- 1959 - 1961 Relief Pharmacist, Street Road Pharmacy, Cornwell Heights, PA.
- 1954 - 1957 Pharmacy Technician, Eppley's Pharmacy, Philadelphia, PA
- 1952 - 1954 Pharmacy Technician, Jenkin's Pharmacy, Scranton, PA.

TEACHING AND RESEARCH INTERESTS:

Pharmaceutical Technology, Sterile Products, Intravenous Administration Systems, Controlled Drug Delivery, Target Drug Delivery, Dosage Form Development and Formulation of Peptides & Proteins.

ASSOCIATIONS:

American Association of Pharmaceutical Scientists
American Pharmaceutical Association
Academy of Pharmaceutical Sciences
American Association of Colleges of Pharmacy
Kentucky Pharmacists Association
Parenteral Drug Association
American Society of Hospital Pharmacy
New York Academy of Sciences
Scientific Research Society of America - Sigma Xi
Rho Chi Pharmaceutical Honor Society
American Society for Parenteral & Enteral Nutrition
Kentucky Academy of Sciences
Controlled Release Society

AWARDS RESULTING FROM RESEARCH AND SCHOLASTIC ACHIEVEMENT:

Lee C. Bump Memorial Award, Temple University, 1957

Walter G. Karr Fellowship - Smith, Kline and French Laboratories 1959-1962.
Lunsford-Richardson Pharmacy Award - "The Inactivation of Cationic Pharmaceuticals by Nonionic Surface Active Agents" 1960.
Lunsford-Richardson Pharmacy Award - "The Effect of Binding on the Photochemical Properties of Hydrocortisone and Methylprednisolone" 1962.
Best paper during the year 1965 toward the scientific advancement of Industrial Pharmacy. Recognized by the North Jersey Pharmaceutical Research Discussion Group.
Co-author and faculty advisor of award winning papers submitted by graduate students to the Parenteral Drug Association for the years 1972, 1973, 1976 and 1977.
Research Achievement Award for 1975 - Parenteral Drug Association Recognition for outstanding contribution to the literature in advancing the area of parenteral technology. (First Recipient)
ASHP Research Award (principal author) for the most significant contribution to the literature of research in the professional practice of hospital pharmacy during 1975 for the article "Filtration and Infusion Phlebitis: A Double-blind Prospective Clinical Study".
Stimulation of Research Awards for 1981 and 1982 from Parenteral Drug Association - "Interaction of Microspheres with Blood Constituents and Effect on Immune Response".
Outstanding Educator in the U.S. - 1973-74.
Listed in American Men and Women of Science, Who's Who in America, Who's Who in the South and Southwest, Who's Who in Medicine and Healthcare, Who's Who in Science and Engineering and Who's Who in American Education.
Research Award with graduate student from Parenteral Drug Association Foundation for the Parenteral Sciences for 1986 to study the "Effects of Freezing and Drying on Immunoglobulin Conformation".
Research Achievement Award in Pharmaceutical Technology from the American Association of Pharmaceutical Scientists (1988). (First Recipient)
Certificate of Honor Award as a Distinguished Alumni of Temple University (1989).
Named a Senior Fellow with the Institute for Advanced Biotechnology (1991).
William B. Sturgill Award for outstanding contribution to graduate education and research: University of Kentucky (1995).
Outstanding Manuscript Award in Pharmaceutical Development and Technology (1998) for publications during 1996 and 1997.
Named a Fellow of the American Association of Indian Pharmaceutical Scientists (1998).
Mentor of graduate student (Harmeet Chadha) receiving AAPS Graduate Student Award for Outstanding Manuscript (1998).
Mentor of graduate student (Jay Schrier) receiving AAPS Graduate Student Award for Outstanding Manuscript (1999).
AAPS Outstanding Educator Award in Pharmaceutical Sciences (2000). (First Recipient)
Mentor of two graduate students (Janusz Kostanski and Sisay Gebrekidan) receiving AAPS Graduate Student Awards for Outstanding Manuscripts (2000).
Mentor of graduate student (Bhas Dani) receiving AAPS Graduate Student Award for Outstanding Manuscript (2001).
Sullivan Medallion Award: University of Kentucky (2001).
Mentor of graduate student (Ge Jiang) receiving AAPS Graduate Student Award for Outstanding Manuscript (2002)
Kentucky Pharmacist of the Year (2002).
Outstanding Manuscript Award in Pharmaceutical Technologies for Publications in AAPS Journals (2002) for publications in 2000 and 2001.
Mentor of graduate student (Santos Murty) receiving AAPS Graduate Student Award for Outstanding Manuscript (2003).
Swintosky Distinguished Lecturer, University of Kentucky College of Pharmacy (2003).
Mentor of visiting scholar (Stefano Giovagnoli) receiving AAPS Graduate Student Award for Outstanding Manuscript (2004).
Mentor of graduate student (Susan D'Souza) recipient of AAPS Graduate Student Award for Outstanding Manuscript (2005)

Honorary Doctorate from University of Perugia, Italy May 30, 2006.

AAPS Dale Wurster Research Achievement Award in Pharmaceutics (2006)(First Recipient)

Outstanding Manuscript Award in AAPS PharmSciTech Journal (2006) for publication during 2004 & 2005

AAPS Distinguished Service Award, 2010.

William E. Lyons Award, 2011 for Outstanding Service to the University of Kentucky, the community and the Commonwealth of Kentucky.

Joseph B Sprowls Distinguished Alumni Award 2012, Temple University School of Pharmacy

PUBLICATIONS:

Chapters in Textbooks:

- 1) "Kinetic Principles and Stability Testing", The Theory and Practice of Industrial Pharmacy, Lea & Febiger, Philadelphia, PA (1970) pp 669-710. Second revision (1976), Third Revision, pp 760-803, (1986).
- 2) "Sterile Products", American Pharmacy Textbook, 7th edition, Lippincott, Philadelphia, PA, pp 451-491 (1974).
- 3) "Parenteral Drug Delivery Systems" in Pharmaceutics and Pharmacy Practice, 1st ed., p. 238, Philadelphia, J.P. Lippincott (1982).
- 4) "Formulation of Small Volume Parenterals," in Pharmaceutical Dosage Forms: Parenteral Medications, Vol. 1, pp. 139-201, Marcel Dekker Inc., N.Y. (1984). Second Edition, Vol. 1, pp. 173-248, Marcel Dekker Inc., N.Y. (1992).
- 5) "Particulate Matter Monitoring" in Pharmaceutical Dosage Forms: Parenteral Medications, Vol. II, Marcel Dekker, Inc., NY, pp. 217-308, (1986).
- 6) "Particulate Matter" in Pharmaceutical Dosage Forms: Parenteral Medications, Second Edition, Vol. III Marcel Dekker, Inc., N.Y., pp. 117-230 (1993).
- 7) "Formulation Development of Small and Large Volume Injections", Madhav Kamat and Patrick P. DeLuca, in Pharmaceutical Dosage Forms, Parenteral Medications, Third Edition, Vol 11, chap 5 Marcel Dekker, (2010).
- 8) "Lipid Nanoparticulate Drug Delivery and Nanomedicine", Heidi M. Mansour, Yun-Seok Rhee, Chun-Woong Park and Patrick P. DeLuca, pending published in American Oil Chemists Society, (2011)
- 9) "Novel Drug Delivery Systems" Chapter 5 in "Drug Delivery" 1st Ed. 2015, Heidi M. Mansour, Zhen Xu, Samantha A. Meenach, Chun-Woong Park, Yun-Seok Rhee, and Patrick P. DeLuca, 01/2015; pages 71-107; ISBN 9781284025682

Articles in Professional Journals:

- 1) A Description of Some Self Evaluation Programs and Case Histories, DeLuca, P., Presented at the Conference on Drug Efficacy Evaluation and Self Evaluation by

- Pharmaceutical Industry, October 1971. Published in the "Wisconsin Pharmacist , (1972) and FDA Handbook, "Introduction to Total Drug Quality," DHEW Publication No. (FDA) 74-3006, Nov. 1973.
- 2) Real Life Settings Make Training in Pharmacy Practical and Useful, DeLuca, P., Hopkins, H. and Smith, H., Pharmacy Times, 44-48, March (1972).
 - 3) Issue Identification Approach to Pharmacy Education Planning I. Overview of Some Major Issues, Barnett, R.L., Butler, H.L., DeLuca, P.P., and Straus, R., American Journal of Pharmaceutical Education, 40:71-74, Feb. (1976).
 - 4) Tomorrow's Pharmacists Today through Role Modification, Barnett, R.L., Butler, I.L., DeLuca, P.P., and Straus, R., Pharmacy Times 69968-74, Oct. (1976).
 - 5) Minimizing Contamination During I.V. Therapy by In-line Filtration, DeLuca, P.P., Rapp, R.P., and Bivins, B., Western States I.V. Therapy Journal, 5-14, Sept.-Oct. (1976).
 - 6) Drug Information in Pharmacy Practice, Amerson, A.B., Barnett, R.L., Butler, I.L., and DeLuca, P.P., J. Clin. Pharm., 2:219-225(1978).
 - 7) Pharmaceutical Technology Clerkship, A Professional Elective Course at the University of Kentucky, Im, S., and DeLuca, P.P., Am. J. Pharm. Education, 42:52-55 (1977).
 - 8) Pharm.D. in Industry, Proceedings at a special American Association of Colleges of Pharmacy Convention, Seattle, Washington, August 7, 1977. Published by Hoffman-LaRoche, Inc., 1978.
 - 9) Filtration and Infusion Therapy: A Review and Forecast for the 80's. Rapp, R.P., Bivins, B. and DeLuca, P.P., Am. J. I.V. Ther. Clin. Nutr., 7:36-46 (1980).
 - 10) Bridging the Gap Between the Basic Sciences and Clinical Practice: Teaching, Research and Services. The Importance of Defining Institutional Goals. Swintosky, I.V., DeLuca, P.P., Parker, P.F., and Gueryant I., Am. J. Phar. Ed., 45:109-117 (1981).
 - 11) Microcontamination Control: An Approach to Training. DeLuca, P.P., J. Paren. Sci. and Tech., 37(6):218, (1983).
 - 12) Controlled Release: A Clinical Guide. Pullins, Leanne and DeLuca, P.P., Merck Minutes, 3(1):1, 1986.
 - 13) Let's Harmonize: Guest Editorial, DeLuca, P.P., J. Paren. Sci. and Tech., 44 (4), 183, 1990.
 - 14) Educational Issues Related to the Science and Technology of Sterile Products: Academic and Industrial Perspectives. Allen Jr., L.V., Bloss, C.S., Brazeau, G.A., DeLuca, P.P., Raymond, G.G., Robinson, D.H., Stiles, L. and Thiboutot, R.P., Am. J. Pharm. Ed., 57:257-265 (1993).
 - 15) Educational Issues Related to the Science and Technology of Sterile Products: Strategies for Education. Allen Jr., L.V., Bloss, C.S., Brazeau, G.A., DeLuca, P.P., Raymond, G.G., Robinson, D.H., Stiles, L. and Thiboutot, R.P., Am. J. Pharm. Ed., 57:265-268 (1993).
 - 16) Regulatory and Ethical Issues of Gene-Based Drugs, DeLuca, P.P., 10th International Pharm Tech Symposium, in press, Minutes, Editions De Sante, Paris, (2001).

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