

Curriculum Vitae

Nicholas Bodor, Ph.D., D.Sc., D.Sc., h.c. (multi)

Graduate Research Professor Emeritus (active)  
Executive Director, Center for Drug Discovery  
College of Pharmacy



## NICHOLAS BODOR

Dr. Nicholas Bodor is a Graduate Research Professor Emeritus (active) at the University of Florida College of Pharmacy, Gainesville. He joined the university in 1979 as Professor and Chairman of the Medicinal Chemistry Department, and was promoted to Graduate Research Professor in 1983. He is the Executive Director of the college's Center for Drug Discovery, founded by him in 1986. During his tenure at the University of Florida, Dr. Bodor has supervised the training of more than 50 doctoral students and over 100 postdoctoral level research associates and fellows. In February 2000, he took a leave of absence from his academic posts at the University of Florida in order to accept a position as Senior Vice President of Basic Research and Drug Discovery at the IVAX Corporation. Dr. Bodor then served as Chief Scientific Officer of the IVAX Corporation, Managing Director of the IVAX Drug Research Institute, Budapest, Hungary, as well as President of the IVAX Research Institute until October 2005.

Dr. Bodor's main research interests include design of drugs with improved therapeutic index, design of new chemical delivery systems, computer-assisted drug design, drug transport and metabolism, and theoretical and mechanistic organic chemistry. He has published more than 520 research articles, has over 240 patents, and is on the editorial boards of several international scientific journals. An internationally recognized leader in drug discovery, design and delivery, he has introduced revolutionary, general, comprehensive drug design and drug targeting concepts known as *retrometabolic drug design* approaches. These concepts strategically combine chemical and enzymatic (metabolic) processes to achieve drug targeting and to produce safe drugs and safe environmental chemicals. The two major classes of the retrometabolic drug design concepts contain "*chemical drug targeting systems*" (CDS) and the "*soft drugs*" (SD). Each of these large classes contains various subclasses, based on the different design rules. The design concepts incorporated in the soft drug approaches were used by Dr. Bodor to develop a *general and comprehensive* program, including a *computerized expert system* which can be used to design all potential and possible metabolites and the corresponding safe active soft drugs or chemical delivery systems. The soft steroid Loteprednol Etabonate, designed by Dr. Bodor, is on the market in the U.S. and other countries. Other drugs designed by him using the retrometabolic concepts are in advanced clinical development. The progress in these various related fields is reviewed biennially at an international series of symposia Dr. Bodor has founded and organizes entitled, *The Retrometabolism Based Drug Design and Targeting Conference*. The ninth meeting of this series is scheduled for May 2013 in Orlando; in addition to Florida, venues of the previous eight conferences have included Japan, Hungary and Austria.

Dr. Bodor received his B.S./M.S. degree in Organic Chemistry in 1959 at Bolyai University in Transylvania, and his Ph.D. degree in 1965 from the University of Babes-Bolyai, Cluj and the Romanian National Academy of Sciences. He was a Group Leader at the Pharmacochemical Research Institute in Romania until 1968, when he was offered an R. A. Welch Fellowship at the University of Texas in Austin, where he worked in the field of theoretical organic chemistry with Dr. Michael J. S. Dewar, the first Robert A. Welch Research Chair. In 1972 he became a Senior Research Scientist at ALZA Laboratories in Lawrence, Kansas, which later became INTERx Research Corporation, where he was Director of Research, as well as an Adjunct Professor at the University of Kansas until 1978.

Among his many honors, Dr. Bodor is an elected Fellow of the Academy of Pharmaceutical Sciences, American Association of Pharmaceutical Scientists, American Association for the Advancement of Science, and American College of Clinical Pharmacology. He is also an Honorary Member of the Hungarian Chemical Society and the Panhellenic Society of Pharmacists. Among other honors, Dr. Bodor has been named "The 1984 Florida Scientist of the Year" and received the first AAPS Research Achievement Award in Medicinal and Natural Product Chemistry in 1988, as well as the APhA Research Achievement Award in Pharmaceutical and Medicinal Chemistry in 1989. In 1994 he was named the first recipient of the Nagai Foundation Tokyo International Fellowship. He was named by the American Chemical Society as the 1996 recipient of the Leo Friend Award in recognition of his article entitled, "Design of Biologically Safer Chemicals," published in *Chemtech*, October 1995. He is the first College of Pharmacy faculty member to receive a Professorial Excellence Award, given by the University of Florida in 1996. The AACP selected

Dr. Bodor as the recipient of the 1997 Volwiler Research Achievement Award. In April 2000, he was named the V. Ravi Chandran Professor in Drug Design and Targeting of the UF College of Pharmacy, the first recipient of this endowed professorship. In February 2002, he was elected a Fellow of the World Innovation Foundation. An honorary Doctor of Science degree was conferred upon Dr. Bodor by the University of Florida in 2005. In 2007, the American Association of Pharmaceutical Scientists awarded Dr. Bodor with the Distinguished Pharmaceutical Scientist Award. Dr. Bodor was inducted into the [American Chemical Society's Hall of Fame](#), Medicinal Chemistry Division in August 2012.

In addition to the awards above, Dr. Bodor has received the highest levels of recognition from his home country of Hungary for his scientific achievements and leadership of the Budapest-based Institute for Drug Research. In 1989 he received an honorary Doctor of Science degree from the Technical University of Budapest, and then was awarded the Doctor Honoris Causa degree from the Medical University of Debrecen in 1990. In 1995 he was elected to the Hungarian National Academy of Sciences. Ferenc Madl, President of Hungary, awarded Dr. Bodor the Gold Cross of Merit of the Hungarian Republic in 2004. In 2010 he received the prestigious Fabinyi Prize of the Hungarian Chemical Society, which is given to scientists living outside Hungary whose outstanding scientific accomplishment have contributed to the reputation of the HCS. In August 2010 at the national celebration of Hungary's over 1000 years statehood and its canonized first king, St. Stephen, Dr. Bodor was awarded at the Hungarian Parliament, the Commander's Cross of the Order of Merit of the Hungarian Republic, a prestigious award of civil merit.

Dr. Bodor and his wife Sheryl call Miami their primary residence. He founded Bodor Laboratories, Inc. in 2006, and works there with his son Erik and daughter Nicole (who hold PhD/MBA and PhD degrees, respectively, in the relevant fields) to further develop his drug design strategies to the marketplace. His oldest son Miklós (an MD, PhD) is Chairman of the Clinical Pharmacology Department at the Medical University in Debrecen, Hungary.

## CURRICULUM VITAE

### NICHOLAS BODOR

**Date of Birth:** February 1, 1939

**Address:** 10225 Collins Avenue, Apt. 1002/1004  
Bal Harbour, FL 33154

**Telephone:** (305) 868-8250 (residence)  
(352) 392-3417 (office – University of Florida)

**Married To:** Sheryl Lee Bodor

**Children:** Nicole, Erik

**Education:** Diploma in Science (B.S., M.S., Organic Chemistry) with special honors; straight A's throughout the five years, Bolyai University, Cluj, Romania, 1959

Doctor in Chemistry  
Babes-Bolyai University, and Supreme Council of Scientific Titles of the Romanian National Academy of Science, 1965

R.A. Welch Postdoctoral Fellow  
University of Texas at Austin, 1968-1969; 1970-1972

**Employment Positions:**

**Present:** Founder and CEO  
Bodor Laboratories, Inc.  
Miami, FL, 33137; 2006 - present

Executive Director  
Center for Drug Discovery  
College of Pharmacy, P.O. Box 100497  
J. Hillis Miller Health Center  
University of Florida, Gainesville, FL, 32610, 1990-present

Graduate Research Professor Emeritus (active), 2003-present  
Department of Pharmaceutics  
College of Pharmacy  
University of Florida, Gainesville, FL 32610

Affiliate Graduate Research Professor  
Department of Ophthalmology  
College of Medicine  
J. Hillis Miller Health Center  
University of Florida, Gainesville, FL, 32610, 1991-present

Affiliate Professor  
Department of Chemistry  
College of Liberal Arts & Sciences  
University of Florida, Gainesville, FL, 32610, 1990-present

**Former:**

Chief Scientific Officer  
IVAX Corporation  
4400 Biscayne Blvd.  
Miami, Florida 33137  
(2003-2005)

Managing Director  
IVAX Drug Research Institute, Ltd.  
47-49 Berline Street, H-1045  
Budapest, HUNGARY  
(1999-2005)

President  
IVAX Research Institute, Inc.  
4400 Biscayne Blvd.  
Miami, Florida 33137  
(2002-2005)

Senior Vice President  
Basic Research and Drug Discovery  
IVAX Research, Inc.  
4400 Biscayne Blvd.  
Miami, Florida 33137  
(2000-2005)

Graduate Research Professor  
Departments of Medicinal Chemistry (1983-2003) and  
Pharmaceutics (1991-2003)  
College of Pharmacy  
University of Florida, Gainesville, FL, 32610

V Ravi Chandran PhD Professor in Drug Design and Targeting  
College of Pharmacy  
University of Florida, Gainesville, FL, 32610  
2000-2003

Vice President and Director, Pharmatec, Inc.  
Alachua, FL, 32615, 1983-1992

Director  
Center for Drug Design and Delivery  
Box J-497, J. Hillis Miller Health Center  
University of Florida, Gainesville, FL, 32610, 1986-1990

Chairman  
Department of Medicinal Chemistry  
College of Pharmacy  
J. Hillis Miller Health Center  
University of Florida, Gainesville, FL, 32610, 1989-1990

Professor (1979-1983) and Chairman (1979-1984)  
Department of Medicinal Chemistry  
J. Hillis Miller Health Center  
University of Florida, Gainesville, FL, 32610

Associate Director of Medicinal Chemistry  
INTERx Research Corporation, Lawrence, KS, 1973-1979

Adjunct Professor of Pharmaceutical Chemistry  
University of Kansas, Lawrence, KS, 1978-1980

Adjunct Professor of Medicinal Chemistry  
University of Kansas, Lawrence, KS, 1974-1978

Senior Research Scientist  
ALZA Corporation, Lawrence, KS, 1972-1973

R.A. Welch Postdoctoral Fellow, 1968-1969; 1970-1972  
University of Texas at Austin, TX

Principal Investigator and Group Leader  
Chemical-Pharmaceutical Research Institute  
Cluj, Romania, 1961-1968; 1969-1970

Research Investigator and Group Leader  
"1 September" Factory, Satu Mare, Romania, 1959-1961

**Honors, Fellowships:**

National Scholarship for Outstanding Achievement, 1954-1959

Various honors and awards for undergraduate research

Diploma of Honor (straight A's for five years)

R.A. Welch Fellowship (two occasions, 1968-1969; 1970-1972)

The Nagai Foundation Tokyo Fellowship 1994

**Listed in:**

*Who's Who in America*

*Who's Who in Science and Technology*

*Who's Who in Frontiers of Science*

*Who's Who in Technology Today*

*Who's Who Worldwide (Platinum Edition)*

*Ki Kicsoda (Who's Who Worldwide--Hungarian Edition)*

*American Scientist*

**Elected to:**

Fellow, Academy of Pharmaceutical Research and Science, 1983

Fellow, American Association of Pharmaceutical Scientists, 1986

Fellow, American Association for the Advancement of Science,  
1989

Honorary Member, Hungarian Chemical Society, 1988

Honorary Member, Panhellenic Association of Pharmacists, 1989

Fellow, American College of Clinical Pharmacology, 1991

Hungarian Academy of Sciences, 1995

Elected Member, Dermatology Advisory Board, Glaxo Wellcome,  
1997

Fellow, the World Innovation Foundation, 2002

**Name Lectureships:**

Hoechst-Rousell Lectureship in Chemistry, Somerville, NJ, 1983;  
Hoshi University Diploma, Tokyo, Japan, 1983; Bombay College  
of Pharmacy Silver Medal, Bombay, India, 1984; Nichols  
Distinguished Symposium, American Chemical Society, Tarrytown,  
NY, 1986; Sigma Xi Lectureship, 1987; The Högyes Lecture,  
Semmelweis Univ. of Medicine, Budapest, Hungary, 2000.

**Awards:**

University of Florida Graduate Research Professor in 1983

"The 1984 Florida Scientist of the Year"

AAPS Research Achievement Award (the first) in Medicinal and Natural Product Chemistry, 1988

APhA Research Achievement Award in Pharmaceutical and Medicinal Chemistry, 1989

University of Florida Research Achievement Award, 1990

Doctor Honoris Causa, Technical University of Budapest, Hungary, 1989

Doctor Honoris Causa, Medical University of Debrecen, Hungary, 1990

University of Florida Research Achievement Award, 1991

Leo Friend Award, American Chemical Society, 1996

Professorial Excellence Program Award, Univ. of FL, 1996

Volwiler Research Achievement Award, AACP, 1997

Gold Cross of Merit of the Hungarian Republic, awarded by Ferenc Madl, President of Hungary, on March 31, 2004

Honorary Doctor of Science Degree, University of Florida, 2005

Distinguished Pharmaceutical Scientist Award, AAPS, 2007

Fabinyi Prize, awarded by the Hungarian Chemical Society, 2010

Commander's Cross of the Order of Merit of the Hungarian Republic, presented at the Hungarian Parliament during the August 2010 national celebration of over 1,000 years of statehood and its Canonized first king, St. Stephen

Inducted to the American Chemical Society Hall of Fame Medicinal Chemistry Division in 2012

**Other:**

Visiting Professor, Assiut University, Assiut, Egypt, 1984

Visiting Professor, Hoshi University, Tokyo, Japan, 1995



Principal Investigator of numerous National Institutes of Health research grant awards

Member, Board of Trustees, ARKAT-USA

Chairman, Policy Committee of the Florida Center for Heterocyclic Compounds

Consultant, advisor, or Board of Directors member for numerous major pharmaceutical companies (Schering-Plough, ALCHEM Laboratories, ONO Pharmaceutical Co., Otsuka Pharmaceutical Co., Xenon Vision, Inc., Helene Curtis, Inc., etc.)

Invited speaker of over 400 international and national symposia and special lectures

#### **Editorial Boards:**

*AAPS Journal*

*Burger's Medicinal Chemistry, 6<sup>th</sup> Edition*

*Drug Design & Discovery*

*Pharmaceutical Research*

*Advanced Drug Delivery Reviews*

*Pharmaceutical Science Communications*

*Magyar Kemiai Folyoirat*

*Journal of Ocular Pharmacology and Therapeutics*

*Current Medicinal Chemistry*

*Pharmacy and Pharmacology Communications*

*Current Drugs*

*Journal of Pharmacy and Pharmacology*

*STP Pharma Sciences*

*Journal of Pharmacology & Clinical Toxicology*

*American Journal of Drug Delivery*

*Expert Opinion on Drug Delivery*

*Open Medicinal Chemistry Journal*

#### **Languages:**

Fluent in: English, Hungarian, and Romanian

Read and Write: French, Russian, and German

#### **Publications:**

520

#### **Patents:**

250

**Memberships:**

American Chemical Society  
American Pharmaceutical Association  
Academy of Pharmaceutical Sciences  
American Association of Colleges of Pharmacy  
American Association of Pharmaceutical Scientists  
American Association for the Advancement of Science  
American Epilepsy Society  
Association for Ocular Pharmacology and Therapeutics  
New York Academy of Sciences  
International Union of Pure and Applied Chemistry  
Sigma Xi  
Controlled Release Society  
American College of Clinical Pharmacology  
International Scientific Advisory Panel of Oxford Molecular  
Group, PLC  
Worldwide Hungarian Medical Academy  
Hungarian National Academy of Sciences  
International Council of Scientific Unions

**Graduate and Postdoctoral  
Supervision:**

Has supervised more than 50 doctoral students and 100  
postdoctoral research associates/fellows

**NICHOLAS BODOR, Ph.D., D.Sc., D.Sc., h.c. (multi)**  
**PATENTS ISSUED**

1. N. Bodor, L. Fey, M. Kircz and F. Hodosan, "Synthesis of the Deoxycorticosterone Acetate (DCA)," Rom. Pat. 48,094, January 11, 1967.
2. N. Bodor and D. Rotaru, "Synthesis of 4-Chlorotestosterone Acetate," Rom. Pat. 48,624, January 31, 1967.
3. O. Mantsch, N. Bodor and A. Becanu, "Synthesis of the 6- $\alpha$ -Methyl- $\beta$ -acetoxy Progesterone (Provera)," Rom. Pat., February 2, 1967; Fr. Pat. 1,547,748, November 29, 1968.
4. N. Bodor and E. Silaghi, "Synthesis of the Chloramphenicol Palmitate," Rom. Pat. 51,893, March 26, 1969.
5. N. Bodor and O. Mantsch, "Synthesis of 5 $\beta$ -Androstan-3 $\alpha$ , 6 $\alpha$ -diol-17-one from 16,20-Oxido-3 $\alpha$ ,6 $\alpha$ ,20-triacetoxy-pregnane," Reg. Rom Pat. 65,038, November 20, 1970.
6. O. Mantsch and N. Bodor, "Synthesis of the 17- $\alpha$ -Acetoxy-progesterone from Pregnane-3 $\alpha$ ,6 $\alpha$ -diol-20-one," Rom. Pat. 65-309, November 20, 1970.
7. O. Mantsch, N. Bodor, F. Hodosan, N. Serban, I. Jude and A. Balogh, "Synthesis of 3-(5 $\alpha$ -Andostan-3 $\alpha$ -6 $\alpha$ ,17 $\beta$ -triol-17 $\alpha$ -yl)-Propiolic Acid," Reg. Rom. Pat., 65,309, November 20, 1970.
8. F. Hodosan, N. Serban, A. Balogh, I. Jude, O. Mantsch and N. Bodor, "Novel Process for 3 $\beta$ ,17 $\beta$ -Dihydroxy-5-Androstene-17 $\alpha$ -Propynoic Acid," Rom. Pat. 64,146/1970; U.S. Pat. 3,734,938, May 22, 1973.
9. N. Bodor, "Pro-Drug Forms of Digoxin," U.S. Pat. 3,884,905, May 20, 1975.
10. N. Bodor and J. Kaminski, "1,4-Dichloro-2,2,5,5-Tetrasubstituted-3,6-Piperazinediones," U.S. Pat. 3,891,649, June 24, 1975.
11. N. Bodor, K. Sloan and A. Hussain, "Novel, Transient Pro-Drug Forms of L-DOPA," U.S. Pat. 3,891,696, July 29, 1975.
12. N. Bodor and J. Kaminski, "3-Chloro-Tetrahydro-1,3-Oxazines or Oxazolidines," U.S. Pat. 3,897,425, July 29, 1975.
13. T. Higuchi, N. Bodor and E. Shek, "Novel Pro-Drug Derivatives of Pyridinium Aldoxime Type Cholinesterase Reactivators and Process for Preparing Same," U.S. Pat. 3,929,813, December 30, 1975.

14. N. Bodor and J. Kaminski, "3-Chloro-2-Oxazolidinones," U.S. Pat. 3,931,213, January 6, 1976.
15. T. Higuchi, N. Bodor and Y. Kuo, "Useful Pro-Drug Forms of Theophylline," U.S. Pat. 3,935,196, January 27, 1976.
16. N. Bodor and J. Kaminski, "3-Chloro-Tetrahydro-1,3-Oxazines or Oxazolines Spiro Substituted," U.S. Pat. 3,936,466, February 3, 1976.
17. N. Bodor, K. Sloan and A. Hussain, "Novel, Transient Pro-Drug Forms of L-DOPA Useful in the Treatment of Parkinson's Disease," U.S. Pat. 3,939,253, February 17, 1976.
18. N. Bodor and J. Kaminski, "Method for Inhibiting Bacterial Growth with Certain Selected 3-Chloro-Tetrahydro-1,3-Oxazines or Oxazolidines," U.S. Pat. 3,954,985, May 4, 1976.
19. N. Bodor and K. Sloan, "Certain Transient Pro-Drug Forms of Phenylbutazone," U.S. Pat. 3,957,803, May 18, 1976.
20. T. Higuchi, N. Bodor and E. Shek, "Novel Pro-Drug Derivatives of Pyridinium Aldoxime Type Cholinesterase Reactivators and Method of Using Same," U.S. Pat. 3,962,447, June 8, 1976.
21. N. Bodor and S. Yuan, "Novel Synthesis of Optically Active M-Acyloxy- $\alpha$ -[(Methylamino)Methyl]Benzyl Alcohols, the Pharmaceutically Acceptable Acid Addition Salts Thereof and Intermediate Useful in the Preparation Thereof," U.S. Pat. 3,966,749, June 29, 1976.
22. J. Kaminski and N. Bodor, "N-Chloro-Amino Acid Derivatives Activity," U.S. Pat. 3,966,796, June 29, 1976.
23. N. Bodor, "Soft Quaternary Surface Active Agents Exhibiting Antibacterial Activity," U.S. Pat. 3,989,711, November 2, 1976.
24. N. Bodor, "1-Hydrocarbonoyloxymethyl-3-carbamoyl or 3-Carboethoxy-Pyridinium Salts," U.S. Pat. 3,998,815, December 21, 1976.
25. N. Bodor, K. Sloan and A. Hussain, "Novel, Transient Pro-Drug Forms of L-DOPA," U.S. Pat. 3,998,799, December 21, 1976.
26. N. Bodor, K. Sloan and Y. Kuo, "Method for Synthesizing Certain Selected Pro-Drug Forms of Theophylline," U.S. Pat. 4,000,132, December 28, 1976.

27. J. Kaminski and N. Bodor, "Method of Inhibiting Bacterial Growth with Certain Selected 3-Chloro-2-Oxazolidinones," U.S. Pat. 4,000,393, December 28, 1976.
28. T. Higuchi, N. Bodor and Y. Kuo, "Useful Prodrug Forms of Theophylline," U.S. Pat. 4,002,756, January 11, 1977.
29. N. Bodor and J. Kaminski, "Brominating and Oxidizing Agent and Method of Using Same," U.S. Pat. 4,009,178, February 22, 1977.
30. N. Bodor and J. Kaminski, "Method of Arresting Bacterial Growth with Certain Selected Dichloro-2,2,5,5-Tetrasubstituted-3,6-Piperazinediones," U.S. Pat. 4,018,925, April 19, 1977.
31. N. Bodor, "Pro-Drug Forms of Digoxin and Method of Preparing and Using Same," U.S. Pat. 4,021,546, May 3, 1977.
32. N. Bodor and S. Yuan, "Novel Intermediates Useful in the Synthesis of Optically Active M-Acyloxy- $\alpha$ -[(Methylamino)Methyl]Benzyl Alcohols," U.S. Pat. 4,028,368, June 7, 1977.
33. N. Bodor, K. Sloan and A. Hussain, "Novel, Transient Prodrug Forms of L-DOPA," U.S. Pat. 4,035,507, July 12, 1977.
34. N. Bodor and S. Yuan, "Novel Synthesis for Preparing the Hydrochloride Salt of Selected Catecholamine Derivatives," U.S. Pat. 4,035,405, July 12, 1977.
35. N. Bodor and K. Sloan, "Novel Transient Acyl Derivatives of Phenylbutazone," U.S. Pat. 4,036,845, July 19, 1977.
36. J. Kaminski and N. Bodor, "Certain Chloroamino Esters of Pyridine Carboxylates and Derivatives Thereof," U.S. Pat. 4,036,843, July 19, 1977.
37. J. Kaminski and N. Bodor, "N-Chloro-Amino Acid Derivatives Exhibiting Antibacterial Activity," U.S. Pat. 4,045,578, August 30, 1977.
38. N. Bodor, "Labile Quaternary Ammonium Salts Useful in Binding Bile Acids in Warm-blooded Animals," U.S. Pat. 4,046,899, September 6, 1977.
39. N. Bodor and J. Kaminski, "3-Chloro-1,3-Oxazines or Oxazolidines as Antibacterial Agents," U.S. Pat. 4,049,818, September 20, 1977.
40. N. Bodor, "Selected Quaternary Ammonium Salts of Pilacarpine Useful in Reducing Intraocular Pressure in Warm-blooded Animals," U.S. Pat. 4,061,722, December 6, 1977.

41. N. Bodor and K. Sloan, "Treating Psoriasis with Transient Prodrug Forms of Xanthine Derivatives," U.S. Pat. 4,061,753, December 6, 1977.
42. N. Bodor, K. Sloan and A. Hussain, "N-Nicotinoyl-3,4-dinicotinoyloxy-L-phenylalanine and Derivatives, Pharmaceutical Compositions and Methods Containing Same," U.S. Pat. 4,065,566, December 27, 1977.
43. N. Bodor and K. Sloan, "Pro-drugs for the Improved Delivery of Certain Selected Anti-inflammatory Steroids," U.S. Pat. 4,069,322, January 17, 1978.
44. T. Higuchi, N. Bodor and Y. Kuo, "Stable Prodrug Forms of Theophylline," U.S. Pat. 4,085,214, April 18, 1978.
45. N. Bodor and S. Yuan, "Novel Optically Active M-Acyloxy- $\alpha$ [(Methylamino)-Methyl]Benzyl Alcohols and the Pharmaceutically Acceptable Acid Addition Salts Thereof," U.S. Pat. 4,088,783, May 9, 1978.
46. J. Kaminski and N. Bodor, "Novel Soft N-Chloroamino Alcohol Derivatives Exhibiting Antibacterial Activity," U.S. Pat. 4,092,420, May 30, 1978.
47. N. Bodor, "Method for Reducing Intraocular Pressure in Warm-blooded Animals," U.S. Pat. 4,094,983, June 13, 1978.
48. N. Bodor and K. Sloan, "Antibacterial Novel Soft N-Chloroamino Alcohol Derivatives," U.S. Pat. 4,115,588, September 19, 1978.
49. N. Bodor and K. Sloan, "Transient Pro-drug Forms of Phenylbutazone," U.S. Pat. 4,117,232, September 26, 1978.
50. N. Bodor, "Labile Quaternary Ammonium Salts Useful in Binding Bile Acids in Warm-blooded Animals," U.S. Pat. 4,120,959, October 17, 1978.
51. J. Kaminski and N. Bodor, "Novel Soft N-Chloroamino Alcohol Derivatives Exhibiting Antibacterial Activity," U.S. Pat. 4,132,805, January 2, 1979.
52. N. Bodor and K. Sloan, "1,2-Diphenyl,5-Ditrifluoroacetyloxy-4-Butyl-5-Hydroxy-3-Pyrazoline," U.S. Pat. 4,139,709, February 13, 1979.
53. N. Bodor, "Labile Quaternary Ammonium Salts Useful in Binding Bile Acids in Warm-blooded Animals," U.S. Pat. 4,140,796, February 20, 1979.
54. N. Bodor, "Sympathomimetic Amines Exhibiting Anti-hemorrhoidal Activity," U.S. Pat. 4,145,441, March 20, 1979.

55. N. Bodor and T. Higuchi, "Nonbitter Tasting Potassium Product for Oral Administration to Warm-blooded Animals and Method for Preparing Same," U.S. Pat. 4,154,824, May 15, 1979.
56. N. Bodor and S. Yuan, "Intermediates Useful in the Synthesis of Optically Active M-Acyloxy- $\alpha$ [(Methylamino)Methyl]Benzyl Alcohols," U.S. Pat. 4,158,005, June 12, 1979.
57. N. Bodor, "Novel 'Soft' Anticholinergic Agents Exhibiting Anti-secretory Activity," U.K. Appln. GB2010270A, published June 27, 1979.
58. N. Bodor, "Labile Non-Heterocyclic Quaternary Ammonium Salts/Esters as Transient Derivatives," U.S. Pat. 4,160,099, July 3, 1979.
59. N. Bodor and K. Sloan, "Novel Transient Pro-Drug Forms of Phenylbutazone and Oxyphenbutazone in Compositions and Methods of Use," U.S. Pat. 4,169,147, September 25, 1979.
60. J. Kaminski and N. Bodor, "Antibacterially Active N-Chloroamino Ester Derivatives of Alkyl Carboxylates," U.S. Pat. 4,171,452, October 16, 1979.
61. N. Bodor and S. Yuan, "Intermediates Useful in the Preparation of Optically and Therapeutically Active m-Acyloxy- $\alpha$ -(Methyl-Amino)Methyl Benzyl Alcohols," U.S. Pat. 4,174,450, November 13, 1979.
62. N. Bodor and J. Zupan, "Esters of Cromoglycates," U.S. Pat. 4,189,571, February 19, 1980.
63. N. Bodor, "Soft Quaternary Surface Active Agents and Method of Using Same," U.S. Pat. 4,204,065, May 20, 1980.
64. Bodor and K. Sloan, "Anti-acne and Anti-seborrhea Prodrug Derivatives of Progesterone," U.S. Pat. 4,213,978, July 22, 1980.
65. N. Bodor and K. Sloan, "Esteramide Prodrugs of Anti-inflammatory Corticosteroids," U.S. Pat. 4,221,787, September 9, 1980.
66. N. Bodor and K. Sloan, "Thiazolidine Prodrugs for the Improved Delivery of Antiinflammatory Corticosteroids," U.S. Pat. 4,239,757, December 16, 1980.
67. J. Epstein and N. Bodor, "Novel Pyridinium Aldoximes Having Micellar Characteristics," U.S. Pat. 4,263,305, April 21, 1981.
68. N. Bodor and L. Freiberg, "Salts of Erythromycin A Esters," U.S. Pat. 4,264,765, April 28, 1981.

69. N. Bodor, K. Sloan and S. Pogany, "Novel Prodrugs of Biologically Active Agents Containing Mercapto Groups, Process for Preparing and Therapeutically Effective Composition Containing the Same," Eur. Pat. 81,102,940.4, May 14, 1981.
70. N. Bodor and K. Sloan, "Prodrugs for Improved Bioavailability of Certain  $\Delta^4$  Keto-Steroidal Sex Hormones," U.S. Pat. 4,268,441, May 19, 1981.
71. N. Bodor and S. Yuan, "Process for Preparing d, 1-m,p-dipivalylepinephrine Hydrochloride and Hydrochloride Salts of Related Sympathomimetically-active Catecholamines Using Cesium Chloride Reactant," Canadian Pat. 1,102,336, June 2, 1981.
72. N. Bodor and K. Sloan, "Novel, Transient Pro-drug Forms of Xanthine Derivatives and Their Use as Topical Anti-inflammatory Agents," U.S. Patent 4,275,064, June 23, 1981.
73. N. Bodor and K. Sloan, "Prodrugs for the Improved Delivery of Halogen-Containing Glucocorticosteroids," U.S. Pat. 4,279,900, July 21, 1981.
74. N. Bodor, "Soft Steroids Having Anti-inflammatory Activity," Belg. BE889,563 (Cl. CO7J) November 3, 1981.
75. N. Bodor, K. Sloan and S. Pogany, "Novel Derivatives of Bio-affecting Phenolic Compounds and Pharmaceutical Composition Containing Them," Eur. Pat. 81,106,277.7, December 2, 1981.
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Approximately 25 patents are pending as of September 2014.

## INVITED LECTURES GIVEN BY NICHOLAS BODOR

March, 1978 - June, 1989

Location	Date	Institution
Lake Ozark, MO	3/78	11th Higuchi Research Seminar
JAPAN:		
Osaka	5/78	Otsuka Pharmaceutical Co.
Osaka	5/78	Kanebo, Ltd.
Tokyo	5/78	Sankyo
Aberdeen Proving Ground, MD	6/78	Edgewood Arsenal
Chicago, IL	11/78	Abbott Laboratories
Kalamazoo, MI	1/79	Upjohn Company
Lake Ozark, MO	3/79	Ayerst Laboratory
Honolulu, HI	4/1-6/79	ACS/CSJ Symposium Computer Assisted Drug Design
Palo Alto, Ca	4/79	Syntex Research
Raleigh, NC	6/79	Decontamination of Chemical Agents ARO Special Meeting
Philadelphia, PA	11/79	McNeil Laboratories
ENGLAND:		
London	11/79	Chemical Society- Royal Society
London	11/79	University of London
Portsmouth	11/79	American Cyanamid
Birmingham	11/79	University of Birmingham
Bloomfield, NJ	2/80	Schering-Plough

Curriculum Vitae--Presentations  
Nicholas Bodor

Lake, Ozark, MO	3/80	13th Higuchi Research Seminar
Skokie, IL	4/80	G.D. Searle
Skokie, IL	4/80	APhA National Meeting
Las Vegas, NV	8/24-29/80	ACS Symposium, "Soft Drugs: Strategies for Design of Safer Drugs"
	8/80	Gordon Conference Research Conference on Medicinal Chemistry
Reston, VA	11/3-15/80	ARO Conference on Defense Against Chemical Agents, "Acceleration of Deactivation of Chemical Agents"
Ann Arbor, MI	12/8/80	University of Michigan, "The Soft Drug Approach: Strategies for the Design of Safer Drugs"
	12/9/80	Warner Lambert, "The Soft Drug Approach: Strategies for the Design of Safer Drugs"
Washington, DC	2/23/81	National Institute for Aging, "Soft Drugs"
Lake Ozark, MO	3/15-18/81	14th Higuchi Research Seminar
Atlanta, GA	4/12-17/81	FASEB Symposium on Drug Carrier Systems, "The Prodrug Approach to Controlled Delivery"

Curriculum Vitae--Presentations  
Nicholas Bodor

New London, NH	8/3-7/81	Gordon Research Conference on Medicinal Chemistry
Noordwijkerhout, THE NETHERLANDS	8/25-28/81	IUPAC-IUPHAR Symposium, "Strategy in Drug Research"
Indianapolis, IN	10/20/21/81	Lilly Research Company
Montpellier, FRANCE	11/27-28/81	Clin Midy Research Center Symposium, "Drug Metabolism and Drug Design: Quo Vadis?"
JAPAN:		
Osaka	12/6-14/81	Otsuka Pharmaceutical Co.
Kyoto	12/7/81	Kyoto University
Painesville, OH	1/10-11/82	Diamond Shamrock
Clifton, NJ	1/25/82	American Cyanamid Company
Hillside, NJ	2/15-16/82	Bristol Myers
Boston, MA	2/22/82	Gillette Company
Lake Ozark, MO	3/15-17/82	15th Higuchi Research Seminar
Painesville, Oh	3/29/82	Diamond Shamrock
Groton, Ct	3/31/82	Pfizer Company

Curriculum Vitae--Presentations  
Nicholas Bodor

Aberdeen Proving Ground, MD	4/1/82	Edgewood Arsenal
Austin, TX	5/6/82	University of Texas
College Station, TX	5/7/82	Texas A&M University
Chicago, IL	5/25/82	Abbott Laboratories, "Brain-Specific Delivery of Drugs"
JAPAN:		
Osaka	12/82	Fujisawa Pharmaceutical Co.
Hiroshima	12/82	Umezawa Research Institute, "Brain-Specific Delivery of Drugs"
Kyoto	12/82	University of Kyoto, "Soft Drugs"
Lake Ozark, Mo	3/13/-16/83	16th Higuchi Research Seminar
Skokie, IL	4/25/83	G.D. Searle
San Francisco, CA at San	5/6/83	University of California Francisco
Somerville, NJ	9/29/83	Hoechst-Roussel
Gainesville, FL	10/19/83	University of Florida Frontiers of Science, "Strategies to Design Safe Drugs"



Curriculum Vitae--Presentations  
Nicholas Bodor

JAPAN:	10/25-11/15/83	
Tokyo		Sankyo, Ltd.
Tokyo		Hoshi University, Special Lecture
Tokyo		Snow Brand Milk Products
Tokyo		Toyo Jozo Co., Ltd.
Osaka		Takeda Chemical Industries, Ltd.
Osaka		Fujisawa Pharmaceutical Co.
Osaka		Tanabe Co., Ltd.
Osaka		Sumitomo Company
Osaka		Otsuka Pharmaceutical Co.
Osaka		Yoshitomi Company
Hiroshima		Hiroshima University, Key Lecture at Drug Design and Metabolism Symposium
Kyoto		Ono Pharmaceuticals
Kyoto		Kyoto University-- Japanese Pharmaceutical Association
Takata		Wakunaga Pharmaceutical Co.
Boston, MA	12/7/83	New England Nuclear
Detroit, MI	12/8/83	Warner Lambert
Gainesville, FL	12/14/83	University of Florida Endocrinology Seminar
Chicago, Il	12/19/83	Smith Labs
Assiut, EGYPT	1/84	University of Assiut, Lecture Series

Curriculum Vitae--Presentations  
Nicholas Bodor

Milan, ITALY	1/84	Recordati Pharmaceutica e Chimica
Basel, SWITZERLAND	1/84	Sandoz, Inc.
INDIA:		
Bombay	1/28/84	Bombay College of Pharmacy, International Symposium Celebrating 25th Anniversary
New Delhi	2/1/84	Indian Pharmaceutical Association Satellite Seminar on Advances in Drug Delivery Systems
JAPAN:		
Osaka	2/84	Ono Pharmaceuticals
Osaka	2/84	Yoshitomi Company
Osaka	2/84	Fujisawa Pharmaceutical Co.
Lake Ozark, Mo	3/11-14/84	17th Higuchi Research Seminar
Arlington, VA	4/19/84	NIH Special Study Section on "Boronate, Redox and Related Compounds as Vital Reagents"
Boston, MA	5/15/84	American Chemical Society, NE Section, Invited Lecture
Miami, FL	7/26/84	Key Pharmaceuticals

Curriculum Vitae--Presentations  
Nicholas Bodor

New London, NH	7/30-8/3/84	Gordon Conference on Medicinal Chemistry
Philadelphia, PA	8/26-31/84	American Chemical Society Symposium on Drug Design and Discovery
Gainesville, FL	9/27/84	University of Florida Department of Chemistry
Philadelphia, PA	10/28-31/84	American Pharmaceutical Association Academy of Pharmaceutical Sciences Symposium on Theory and Application of Bioreversible Carriers to Drug Design
West Chester, PA	11/1/84	SmithKline and Beckman Corporation
Gainesville, FL	11/9/84	Engineering Advisory Council
Austin, TX	2/21-22/85	University of Texas
Lake Ozark, Mo	3/10-13/85	18th Higuchi Research Seminar

Curriculum Vitae--Presentations  
Nicholas Bodor

JAPAN:

Tokyo	3/18/85	Tokyo University- Pharmaceutical Society of Japan (Divisional)
Tsukuba	3/19/85	Eisai Company
Osaka	3/20/85	Takeda Pharmaceutical Co.
Osaka	3/21/85	Sumitomo Pharmaceutical Co.
Hiroshima	3/22/85	Hiroshima University- Pharmaceutical Society of Japan (Divisional)
Osaka	3/23/85	Ono Pharmaceuticals
Tokushima	3/25/85	Otsuka Pharmaceutical Co.
Kyoto	3/26/85	Biwako Research Institute
Osaka	3/27/85	Nihon Medi-Physics
Anaheim, CA	4/21-25/85	FASEB
Cincinnati, OH	5/7/85	Proctor & Gamble
Raleigh-Durham, NC	5/8/85	Burroughs-Wellcome
Magnolia, AR	5/30/85	Medicinal Chemistry Symposium
Budapest, HUNGARY	6/10/85	National Academy of Science
Milan, ITALY	6/20/85	Recordati Industria Chimica e Farmaceutica S.P.A.
Geneva, SWITZERLAND	6/24/85	Arcopharma

Curriculum Vitae--Presentations  
Nicholas Bodor

London, ENGLAND	7/4/85	The Institute of Cancer Research and London University College Hospital
Plymouth, NH	7/22-25/85	Gordon Conference on Drug Metabolism
Philadelphia, PA	9/16/85	McNeil Pharmaceutical Co.
Kingsport, TN	9/17/85	Eastman Chemical Co.
Belfast, IRELAND	9/25/85	Queen's University of Belfast, Symposium on Prodrugs, Biochemical Society
Reykjavik, ICELAND	9/27/85	University of Iceland
Copenhagen, DENMARK	9/30/85	Lunbeck A/C
Helsingborg, SWEDEN	10/1/85	Leo Pharmaceuticals
London, ENGLAND	10/3/85	University College Hospital
Kalamazoo, MI	11/7/85	Upjohn Company
Rochester, NY	12/3/85	Eastman Kodak Company
Lake Ozark, MO	3/9-12/86	19th Higuch Research Seminar
Tarrytown, NY	4/4/86	ACS Nichols Distinguished Symposium
Edgewood, MD	5/19/86	Edgewood Arsenal Conference

Curriculum Vitae--Presentations  
Nicholas Bodor

Baltimore, MD	5/20/86	Nova Pharmaceutical Co.
Chapel Hill, NC	6/15-19/86	ACS Medicinal Chemistry Symposium
Budapest, HUNGARY	7/29-8/13/86	Conference on the Role of Hungarians in Science and Technology in the World; National Academy of Science of Hungary; Central Research Institute for Drug Research;
Budapest, Hungary		Chinoin Pharmaceutical Co.
Castres Cedex, FRANCE	9/12/86	Pierre Fabre Research Center
West Berlin, GERMANY	9/14-18/86	IXth International Symposium on Medicinal Chemistry
Helsingborg, SWEDEN	9/19/86	Leo Pharmaceutical Co.

Curriculum Vitae--Presentations  
Nicholas Bodor

JAPAN:

Tokushima	9/29-30/86	Otsuka Research Institute
Hiroshima	10/1/86	Hiroshima University
Osaka	10/2/86	Takeda Chemical Industries
	10/3/86	Sumitomo Pharmaceutical Co.
Kyoto	10/4/86	Kyoto University
Tokyo	10/6/86	Hoshi University and Kanto Division of Japanese Pharmaceutical Society
	10/7/86	Tokyo University
	10/7/86	Snow Brand Milk Industries
Tsukuba	10/8/86	Eisai Company
	10/8/86	Tsukuba Research Institute
Osaka	10/9/86	Fujisawa Pharmaceutical Co.
Osaka	10/10/86	Ono Pharmaceutical Co.
Washington, DC	11/2-6/86	American Association Pharmaceutical Scientists
Edgewood, MD	11/18-21/86	Edgewood Arsenal Conference
New York, NY	1/12-015/87	New York Academy of Sciences
Gainesville, FL	2/10/87	Sigma Xi, "Concepts to Design Safer Drugs"

Curriculum Vitae--Presentations  
Nicholas Bodor

Lake Ozark, MO	3/14-18/87	20th Higuchi Research Seminar
Washington, DC	3/30-4/3/87	FASEB
Milan, ITALY	4/2/87	Recordati Industria Chimica e Farmaceutica S.P.A.
Paris, FRANCE	4/3/87	Delagrang, Inc.
Budapest, HUNGARY	4/3-13/87	Institute for Drug Research and Hungarian Academy of Sciences
Bloomfield, NJ	4/20-21/87	Schering Corporation
Frankfurt, GERMANY	5/20-23/87	Hoechst AG and Cassella Riedel Pharma GmbH
Boston, MA	6/4-7/87	American Association of Pharmaceutical Scientists
Madison, NJ	6/7-12/87	Residential School in Medicinal Chemistry of Drew University
Washington, DC	6/23-25/87	NIH Special Study Section
New York, NY	7/29/87	Pfizer
New London, NH	8/3-7/87	Gordon Conference on Medicinal Chemistry



Curriculum Vitae--Presentations  
Nicholas Bodor

JAPAN:

Takasaki	9/21/87	Upjohn
Tokyo	9/22/87	Eisai
Osaka	9/24/87	Takeda
Osaka	9/25/87	Ono
Hiroshima	9/26/87	Hiroshima University
Osaka	9/28/87	Osaka University
Tokushima	9/29/87	Otsuka

EUROPE:

Budapest, Hungary	10/17/87	Chinoin
Munich, Germany	10/22/87	Cyanamid
Frankfurt, Germany	10/22/87	Hoechst
Frankfurt, Germany	10/23/87	Merck
London, England	10/26/87	May & Baker
Edgewood, MD	11/17-20/87	1987 Scientific Conference on Chemical Defense Research
Honolulu, HI	12/2-7/87	JUC PHARM SCI '87
Raleigh, NC	12/10/87	Burroughs-Wellcome and Glaxco
Beaverton, Or	12/17/87	Tektronix
Chicago, IL	2/3-4/88	Hayes & Griffith
New York, NY	2/7-9/88	Pfizer
Austin, TX	2/25-27/88	Dewar Symposium
Lake Ozark, MO	3/12-16/88	Higuchi Research Seminar
Lexington, KY	3/16-18/88	University of Kentucky

Curriculum Vitae--Presentations  
Nicholas Bodor

CALIFORNIA:

Palo Alto	4/26/88	Syntex
Palo Alto	4/27/88	Alza
San Francisco	4/28/88	Genentech

Gainesville, FL	5/6/88	College of Pharmacy Dev. Adv. Board
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ISRAEL:

Jerusalem	5/29-6/4/88	International Conference on Pharmaceutical Science, "Structure-  Pharmacokinetic Relationships"
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Philadelphia, PA	6/22/88	HGP, Inc.
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Newark, NJ	7/14/88	Johnson & Johnson
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HUNGARY:

Budapest	8/12-19/88	Xth International Symp. on Medicinal Chemistry
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Debrecen	8/19-26/88	
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JAPAN:

Tokyo	10/7-13/88	
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Tokushima	10/14/88	
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INDIA:

Newark, NJ	10/24-25/88	Johnson & Johnson
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Orlando, FL	10/30-11/3/88	AAPS
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Curriculum Vitae--Presentations  
Nicholas Bodor

Miami, FL	1/27/89	Schering-Plough Corporation
Lake Ozark, MO	3/12-15/89	22nd Higuchi Research Seminar
Anaheim, CA	4/8-11/89	APhA Annual Meeting
GREECE:		
Thessaloniki	5/11-16/89	Aristotelian University Postgraduate Seminar on Medicinal Chemistry
JAPAN:		
Osaka	5/29-5/30/89	Ono
Tokushima	5/31-6/1/89	Otsuka Pharmaceutical Co., Ltd.
Tokyo	6/2/89	Upjohn

**INVITED LECTURES GIVEN BY NICHOLAS BODOR**

**July 1, 1989-Present**

<b>Location</b>	<b>Date</b>	<b>Conference or Institution</b>	<b>Title</b>
<b>HUNGARY:</b>			
Budapest	8/12-19/89	Xth International Symposium on Medicinal Chemistry	
Budapest	8/21-25/89	The Role of Hungarians in the Scientific & Technological Progress of the World	"Recent Advances in the Design of Safer Drugs"
Bethesda, MD	9/14-15/89	APhA End-of-Summer Symposium	"Chemically Designed Targeted Drug Delivery System"
Morgantown, WV	9/20-21/89	Department of Chemistry Symposium	"Site-Specific Chemical Delivery Systems"
Atlanta, GA	10/22-26/89	American Association of Pharmaceutical Scientists	"Concepts in the Design of Safer Drugs"
Phoenix, AZ	11/3-7/89	Preuss Foundation Seminar	"Role of the BBB in the Therapy of Brain Tumors"
<b>JAPAN:</b>			
Kyoto	11/23/89	ONO Pharmaceutical Co., Ltd.	"Site-Specific Drug Delivery"
Osaka	11/24/89	Otsuka Pharmaceutical Co., Ltd.	"Soft Drugs"
Tokyo	11/27/89	Japan Tobacco Company	"Novel Strategies in Drug Design"
London, ENGLAND	12/1/89	IBC Conference on Recent Advances in Site-Specific Chemical Delivery Systems	"Role of Prodrugs and Soft Drugs in Drug Delivery and Targeting Systems"

Curriculum Vitae--Presentations  
 Nicholas Bodor

Debrecen, HUNGARY	12/4/89	Medical University of Debrecen	"Redox Delivery Systems of Drugs to the Brain"
Maui, HI	12/11-15/89	American College of Neuro- psychopharmacology	"Clinical Utilization of Redox Drug Combinations"
Memphis, TN	2/12-14/90	College of Pharmacy University of Tennessee	"Novel Strategies to Design Safer Drugs"
Cleveland, OH	2/15-16/90	College of Pharmacy Case Western Reserve University	"Site-Specific Chemical Delivery Systems"
Reno, NV	2/25-28/90	AAPS Western Regional Meeting	"Brain-Specific Delivery of Peptides and Related
Palo Alto, CA	3/1/90	Syntex	"Novel Strategies in Drug Design and Delivery"
Lake Ozark, MO	3/10-14/90	Higuchi Research Seminar	"Delivery of Peptides to the Brain"
Bath, ENGLAND	3/31-4/8/90	The Biochemical Society	"Design Strategies for Safer Drugs"
Amsterdam, THE NETHER- LANDS	7/1-6/90	XIth International Congress of Pharmacology	"Drug Targeting by Site- Specific Chemical Drug Delivery Systems"
JAPAN:			
Tokyo	7/16-18/90	Fifth Japanese-American Con- ference on Pharmacokinetics and Biopharmaceutics	"Novel Site-Specific Chemical Drug Delivery Systems"
Kyoto	7/18-19/90	ONO Pharmaceutical Co.	"Brain Delivery of Peptides"

Curriculum Vitae--Presentations  
Nicholas Bodor

Tokushima	7/22-23/90	Otsuka Pharmaceutical Co.	"Brain Delivery of Neuropeptides and Related Compounds"
Osaka	7/25-26/90	Fujisawa Pharmaceutical Co.	"Delivery of Peptides to the Brain"
Tokyo	7/26/90	Nihon Medi-Physics	"Technetium Chelates"
HUNGARY:			
Debrecen	8/22/90	Hungarian Pharmaceutical Society	"Recent Advances in the Design of Safer Drugs"
Budapest	8/23/90	Federation of European Biochemical Societies Systems"	"Recent Advances in Site-Specific Chemical Delivery
Las Vegas, NV	11/4-8/90	AAPS Annual Meeting	"Pharmacological Evaluation of Alprenolone Oxime--A New Potential Antiglaucoma Agent"
Gainesville, FL	2/6/91	Division of Cardiovascular Medicine, UF College of Medicine	Roundtable discussion on: "A New Site-Specific Endovascular Drug Delivery Catheter System"
Charleston, SC	4/4/91	AAPS Regional Meeting	"Topical Drug Targeting by Chemical Delivery Systems and Soft Drugs"
JAPAN:			
Osaka	4/9/91	Takeda Chemical Industries, Inc.	"Recent Advances in Chemical-Enzymatic Targeting of Drugs"
Osaka	4/10/91	Otsuka Pharmaceutical Co., Ltd.	

## Curriculum Vitae--Presentations

Nicholas Bodor

Osaka	4/11-12/91	ONO Minase Research Institute	
Tokyo	4/15/91	Eisai Tsukuba Research Laboratories	
Tokyo	4/16/91	Japan Tobacco Company	"Novel Soft Drugs"
KOREA:			
Suwon	4/18/91	Ajou University	"Design of Soft Drugs"
Suwon	4/19/91	Korean Drug Delivery Symposium	"Brain-Specific Drug Delivery"
Suwon	4/22/91	Korea Research Institute of Chemical Technology	"Design of Soft Drugs"
Dallas, TX	5/6/91	Alcon Laboratories, Inc.	"Enzymes in the Eye"
Gainesville, FL	5/10/91	Florida School on Applied Molecular Orbital Theory	"Molecular Orbitals and Drug Design"
Jamaica, NY	5/21/91	St. John's University College of Pharmacy and Health Related Professions	"Chemical-Enzymatic Drug Targeting"
San Diego, CA	6/6/91	Gensia Pharmaceutical Co.	"Metabolism-Based Drug Design"
La Jolla, CA	6/7/91	Agouron Pharmaceutical Co.	"Rational Design of Drugs Based on Metabolic Considerations"
Amsterdam, THE NETHERLANDS	7/8-13/91	Controlled Release Society Symposium	"Chemical Delivery Systems for Brain Targeting of Drugs"
Basel, SWITZERLAND	7/12/91	F. Hoffmann-La Roche AG	"Strategies to Design Safer Drugs"

Curriculum Vitae--Presentations  
 Nicholas Bodor

Tampa, FL	7/24/91	Bausch & Lomb, Inc.	
Budapest, HUNGARY	8/17-22/91	33rd IUPAC Congress	"Drug Discovery by Retrometabolism-- Concepts and Applications"
East Bruns- wick, NJ	9/30-10/1/91	Technology Management Group Conference on "Pharmaceutical Markets in Imaging Agents and Related Products	"Targeted Chemicals for Imaging (Brain and Heart)"
Atlanta, GA	10/13-16/91	American College of Clinical Pharmacology Meeting	"Topical Drug Targeting by Chemical Delivery and Soft Drugs"
Gainesville, FL	10/30/91	College of Pharmacy Honors Seminar Course in Pharmaceutical Research	"Metabolism-Based Drug Design"
JAPAN:	11/23-30/91		
Kyoto	11/26-28/91	ONO Pharmaceuticals	
Itami	11/28/91	Senju Pharmaceutical Company	"Drug Design Based on Retrometabolism Concepts"
Osaka	11/29/91	Otsuka	
London, ENGLAND	12/6/91	IBC Conference--Drug Delivery III	"Drug Targeting by Chemical Delivery and Soft Drugs"
Gainesville, FL	1/22-24/92	Short Course on Surface Science in Pharmaceutical Technology	"Drug Targeting by Chemical Delivery and Soft Drugs"
King of Prussia, PA	2/8-12/92	CAChe Scientific Conference	"Chemistry by Design"
Baltimore, MD	3/26-27/92	Johns Hopkins Oncology Center	"Novel Methods of Drug Design"



Curriculum Vitae--Presentations  
 Nicholas Bodor

JAPAN: 5/14-22/92

Tokushima	5/15/92	Otsuka Pharmaceutical Co.	"Recent Advances in Retrometabolic Drug Design"
Osaka	5/18/92	Japan Tobacco Company	
Itami	5/19/92	Senju Research Company	
Kyoto	5/20/92	ONO Pharmaceutical Company	

ISRAEL:

Jerusalem,	5/24-29/92	Second Jerusalem Conference on Pharmaceutical Sciences and Clinical Pharmacology	"Chemical-Enzymatic Approaches to Drug Targeting: Retrometabolism Concepts"
Rehovot	5/25/92	Pharmos, Ltd.	
Budapest,	6/1-4/92	Hungarian Academy of Sciences	"Recent Results in HUNGARY Retrometabolic Drug Design"
Tarrytown, NY	6/8-10/92	Conference on Topical Glucocorticoids with Increased Benefit/Risk Ratio	"Chemical Variability of Glucocorticoid Molecules: Application of the Soft Drug Concept to Topical Anti-inflammatory Agents"
Washington, DC	7/22-24/92	NIH/Drug Discovery Groups for Alzheimer's Disease	"Brain Targeting of Peptides"
Miami, FL	8/12/92	IVAX	"Novel Soft Drugs"
Madrid, SPAIN	9/10/92	12th World Computer Congress (Presentor: Dr. Alan Harget)	"Computer Aided Drug Design: A Neural Network Approach"
Washington, DC	9/15-17/92	American College of Clinical Pharmacology	"Development of New Corticosteroids"

Curriculum Vitae--Presentations  
 Nicholas Bodor

Gainesville, FL	9/18,21, 23/92	Frontiers of Human Knowledge (University-Wide Honors Course)	"Drug Design and Discovery Based on Retrometabolism Concepts"
Leiden, THE NETHER- LANDS	10/9-11/92	Symposium on Drug Transport to the Brain: Concepts and Strategies	"The Application of Chemical Delivery Systems for Brain Targeting of Drugs"
Rehovot, ISRAEL	10/13-14/92	Pharmos Corporation	"Phosphate and Phosphonate Delivery Systems"
Gainesville, FL	10/26, 28/92	Faculty Honors Course University of Florida	"In Search of Magic Bullets"
San Antonio, TX	11/15-19/92	AAPS	"Brain Targeting of Peptides"
Fort Worth, TX	11/19-20/92	Alcon	"Chemical Delivery Systems for the Eye"
Chicago, IL	12/1/92	Helene Curtis, Inc	"Novel Soft Anticholinergic Compounds"
Miami, FL	2/20-22/93	IVAX	"Soft Drugs for the Treatment of Asthma"
Raleigh,	2/24/93	Cato Research, Ltd. Treatment of Colitis"	"Soft Steroids for the NC
Amelia Island, FL	3/5-8/93	Pharmos	"Soft Ophthalmic Drugs"
Garden City, NY	4/20-21/93	35th Annual Pharmacy Congress	"Application of Retrometabolic Approaches for Design of Novel Ophthalmic Drugs"
Washington,	6/5-8/93	Patent Office System"	"Novel Anionic Delivery DC

Curriculum Vitae--Presentations  
Nicholas Bodor

Edmonton, Alberta, CANADA	6/20-25/93	13th American Peptide Symposium	"Delivery of Peptides into the Central Nervous System by Sequential Metabolism"
Szeged, HUNGARY	7/23-24/93	International Workshop on Molecular Mechanism Regulating the Permeability of the Blood-Brain Barrier	"Strategies for Opening the Gateway to the Brain"
Rockville, MD	7/28-29/93	NIDA Technical Review Meeting on Opiate Pharmacotherapy	"Targeting Drugs to the Brain by Sequential Metabolism"
Bethesda, MD	8/6/93	NIH Drug Discovery Group Meeting	"Discovery of Novel Drugs for Alzheimer's Disease: Project 3--Neuropeptides"
Novi, MI	8/8-10/93	Symposium on Ocular Pharmacology	"The Application of Soft Drug Concepts to the Design of Ophthalmic Drugs"
Chicago,	8/22-27/93	206th ACS National Meeting	"Brain Targeting of Peptides II via Sequential Metabolism"
JAPAN:			
Kyoto	9/2-4/93	International Symposium on Delivery of Protein Drugs - The Next 10 Years	"Peptide Delivery to the Brain by Sequential Metabolism"
Kobe	9/6/93	Senju Pharmaceuticals	
Tokyo	9/7/93	Japan Tobacco Company	
Tsukuba	9/10/93	Upjohn Pharmaceuticals Ltd.	"Soft Drugs Concept"
Bethesda, MD	9/28-29/93	NIDA Technical Review Meeting on Membranes and Barriers: Targeted Drug Delivery	"Retrometabolic Approaches to Drug Targeting"

Curriculum Vitae--Presentations  
Nicholas Bodor

Gainesville, FL	10/22, 25, 27/93	Frontiers of Human Knowledge University of Florida	"Drug Design and Discovery Based on Retrometabolism Concepts"
London, ENGLAND	11/22-24/93	IBC Drug Delivery 4	"Site-Specific Drugs by Chemical Trransformations"
Washington,	12/2-3/93	IBC Allergic Disease and Asthma	"Soft Drugs: A DC Retrometabolic Drug Design Concept"
JAPAN:			
Tokyo	4/23/94	Hoshi University Lecture Meeting on Comprehensive Cyclodextrins	"Recent Studies on Cyclo- dextrins and Their Use in Drug Delivery and Targeting"
Tokyo	4/25-28/94	7th International Cyclodextrins Symposium	"Optimization of Drug Targeting by Combinations of Chemical Delivery Systems and Cyclodextrins"
Edmonton, Alberta, CANADA	6/20-25/93	13th American Peptide Symposium	"Delivery of Peptides into the Central Nervous System by Sequential Metabolism"
Rockville, MD	7/28-29/93	NIDA Technical Review Meeting on Opiate Pharmacotherapy	"Targeting Drugs to the Brain by Sequential Metabolism"
Chicago,	8/22-27/93	206th ACS National Meeting	"Brain Targeting of Peptides IL via Sequential Metabolism"
Kyoto, JAPAN	9/2-4/93	International Symposium on Delivery of Protein Drugs - The Next 10 Years	"Peptide Delivery to the Brain by Sequential Metabolism"
Rockville,	9/28-29/93	NIDA Technical Review Meeting on Membranes and Barriers: Targeted Drug Delivery	"Retrometabolic Design MD Approaches to Drug Targeting"

Curriculum Vitae--Presentations  
 Nicholas Bodor

Tokyo, JAPAN	4/25-28/94	7th International Cyclodextrins Symposium	"Optimization of Drug Targeting by Combinations of Chemical Delivery Systems and Cyclodextrins"
Washington, DC	8/21-25/94	208th Am. Chem. Soc. National Meeting	"Design of Biologically Safer Chemicals Based on Retrometabolic Concepts"
Buenos Aires, ARGENTINA	11/14-19/94	XV Panamerican Congress of Pharmacy and Biochemistry	"Retrometabolic Drug Design Concepts"
HUNGARY:	12/7-13/94	National Academy	"Retrometabolic Drug Design Concepts"
		Technical University	"Computer-Assisted Drug Design"
		Gedeon Richter Works	"Soft Steroids"
Debrecen		Medical University	"Novel Safe Ophthalmic Drugs"
New Orleans, LA	1/26-29/95	AOPT Annual Meeting	"Sequential Bioactivation of Methoxime Analogs of $\beta$ -Adrenergic Antagonists in the Eye"
Anaheim,	4/2-7/95	209th Am. Chem. Soc. National Meeting	"Optimization of Drug CA Targeting by Cyclodextrins"
Amelia Island, FL	4/10-13/95	3rd Suncoast Workshop on the Neurobiology of Aging	"The Application of the Molecular Packaging Method to Brain Targeting of TRH Analogs"
San Diego, CA	4/28-30/95	Houghten Pharmaceutical Co.	

Curriculum Vitae--Presentations  
Nicholas Bodor

Birmingham, AL	5/5/95	U. of Alabama Vision Research Ctr. Visiting Scholar Program	"Retrometabolic Approaches for the Design of Novel Ophthalmic Drugs"
Thessaloniki, GREECE	5/19-20/95	4th Conference in Advanced Medicinal Chemistry	"Retrometabolic Drug Design Concepts in Drug Targeting"
Hiroshima, JAPAN	7/6-7/95	11th Annual Meeting of Japan Drug Delivery Systems Society Eye"	"Drug Targeting by Chemical and Enzymatic Retrometabolic Approaches to the Brain and Eye"
Heidelberg, GERMANY	7/17/95	BioResearch, BASF Pharma/ Knoll Pharmaceuticals	"Chemical-Enzymatic Targeting of Drugs"
JAPAN:			
Tokyo	9/1-10/31/95	Hoshi University Visiting Professorship	Several Lectures on Drug Design
Tokyo	9/3-8/95	AFMC International Medicinal Chemistry Sym- posium, Plenary Session	"Targeted Drug Delivery to to the Brain Using Chemical Delivery Systems"
Kobe	9/11-13/95	Academy of Pharmaceutical Science and Technology, Plenary Session	"Computer-Assisted Design of Targeted Drugs Based on Retrometabolic Concepts"
Osaka	9/14/95	Fujisawa Pharmaceutical Co., Ltd.	"Optimal Combination of Chemical-Enzymatic and Physical Drug Targeting Approaches"
Osaka	9/20/95	Ono Pharmaceutical Co., Ltd.	"Retrometabolic Drug Design Approaches and Computer Assisted Design of New Drugs on Retrometabolic Concepts"
Osaka	9/22/95	Takeda Chemical Industries, Ltd.	"Retrometabolic Drug Design Approaches"

Curriculum Vitae--Presentations  
Nicholas Bodor

SWITZERLAND:

Geneva	9/28-10/01/95	International Symposium on Experimental and Clinical Ocular Pharmacology and Pharmaceutics, Plenary Session	"Retrometabolic Design Concepts in Ophthalmic Drug Discovery"
Milan, ITALY	10/02/95	BioResearch, BASF Pharma/ Knoll Pharmaceutical Co.	"Brain Targeting of Drugs"
SINGAPORE	10/06/95	The National University of Singapore	"Design and Development of Soft Drugs"
Ako, JAPAN	10/12/95	Ostuka Pharmaceutical Co., Ltd.	"Design of Safer Ophthalmic Drugs"
Gainesville, FL	11/01/95	Frontiers Of Science	"Designing Targeted Drugs for the Brain and Eye"
Budapest, HUNGARY	11/14/95	Induction into the Hungarian Academy of Sciences, Plenary Session	"The Chemical and Enzymatic Basis of the Retrometabolic Drug Design Approaches"
Ann Arbor, MI	12/04-05/95	Parke-Davis	"Retrometabolic Drug Design Design Approaches"
Frankfurt, GERMANY	02/09/96	Drug Targeting Symposium, German Chemical Society	"Drug Targeting Based on Retrometabolic Drug Design Approaches"
Budapest, HUNGARY	02/05/96	Gedeon Richter, Ltd.	"Brain Targeting Chemical Works of Gedeon Richter, Ltd."
Budapest, HUNGARY	04/01/96	8th International Cyclodextrin Symposium	"Recent Studies on the Use and Structure of Cyclodextrin Complexes"
Gainesville, FL	04/19/96	Department of Neuroscience University of Florida	"Retrometabolic Approaches to Drug Design and Targeting"

Curriculum Vitae--Presentations  
 Nicholas Bodor

SINGAPORE	07/04/96	The National University of Singapore	"Recent Advances In Retrometabolic Drug Design"
Osaka, JAPAN	07/09/96	Senju Pharmaceutical Co.	"Novel Antiglaucoma Drugs"
New York, NY	08/28/96	Forest Laboratories	"Soft Drugs"
Budapest, HUNGARY	09/05-12/96	Institute for Drug Research	"Issues in Drug Development"
Seattle, WA	10/27-31/96	American Association of Pharmaceutical Scientists Annual Meeting & Exposition	"Drug Targeting Based On Retrometabolic Drug Design Approaches"
Gainesville, FL	11/18-20/96	Pharmacy Honors Seminar, "In Search of Magic Bullets"	"Retrometabolism-Based Drug Design"
Ispra, ITALY	01/20-22/97	"Data Management in Computer-Aided Drug Design" Workshop Joint Research Centre	"Computer-Assisted Design of New Drugs Based on Retrometabolic Concepts"
Brussels, BELGIUM	01/23-25/97	Janssen Pharmaceutica	"The Application of Chemical Delivery Systems For Brain Targeting of Drugs"
Gainesville, FL	03/20/97	Univ. of FL Coll of Pharmacy Nat'l. Devel. Advisory Board	"Issues in Drug Discovery and Targeting"
Austin, TX	04/03/97	University of Texas at Austin College of Pharmacy	"Design of Safer Drugs Using Retrometabolic Approaches"
San Francisco, CA	04/13-17/97	National Meeting of the Amer. Chemical Society	"Design of Biologically Safer Chemicals"
Amelia Island, FL	05/06-09/97	"1st Drug Optimization via Retrometabolism Conference" Center for Drug Discovery, University of Florida	"Retrometabolic Drug Design Concepts"



Curriculum Vitae--Presentations  
 Nicholas Bodor

St. Petersburg, FL	05/23-24/97	Glaxo Dermatology Advisory Board Meeting	"Overview of the Soft Molecule Concept"
Raleigh, NC	06/17/97	Glaxo Wellcome, Inc.	"Retrometabolic Drug Design Approaches"
Gdansk, POLAND	07/09-12/97	6th Int'l Symp. on Molecular Aspects of Chemotherapy	"Retrometabolic Approaches for Drug Targeting"
Budapest, HUNGARY	9/04/97	Chemical Works of Gedeon Richter	"Design of Soft Drugs"
Frankfurt, GERMANY	9/08/97	ASTA Medica	"Design of Soft Drugs"
Munich, GERMANY	9/11-14/97	2nd Int'l Symp. on Exp. and Clin. Ocular Pharmacol. and Pharmaceutics	"Targeted Drug Delivery to Retina via Systemic Routes"
Chicago, IL	9/27-30/97	Abbott Laboratories, Acceptance of Volwiler Research Achievement Award	"Retrometabolic Drug Design and Targeting Concepts"
Bethesda, MD	10/22-24/97	3rd Annual Mtg. of the Asn. for Ocular Pharmacol. and Ther.	"Targeted Drug Delivery to Retina via Systemic Routes"
Arlington, VA	10/27-28/97	IBC's 7th Annual Conf. on Asthma & Allergy	"Design of Soft Corticosteroids"
Budapest, HUNGARY	11/11/97	Institute for Drug Research	"Drug Development Concepts"
Gainesville, FL	11/17 & 11/19/97	Honors Seminar in Pharm. Research, College of Pharmacy, University of Florida	"Retrometabolism-Based Drug Design: Making MBs Better and Safer"
Osaka, JAPAN	01/14/98	Santen Pharmaceutical Co., Ltd.	"Design of Safer Ophthalmic Drugs by Retrometabolic Approaches"

Curriculum Vitae--Presentations  
Nicholas Bodor

Hiroshima, JAPAN	01/16/98	Hiroshima University School of Medicine	"Design of Safer Ophthalmic Drugs Using Retrometabolic Approaches"
Gainesville, FL	01/27/98	University of Florida Dep't. of Neuroscience	"Brain Targeting of Neuro- pharmaceuticals by Chemical Delivery Systems"
Miami, FL	03/02/98	IVAX Corporation	"Retrometabolic Drug Design and Targeting Approaches"
Saskatchewan, CANADA	03/26 & 03/27/98	University of Saskatchewan College of Pharmacy	"Retrometabolic Approaches for Drug Design & Targeting"
Budapest, HUNGARY	4/07-11/98	Institute for Drug Research	"The Past and Future of Drug Discovery Research"
Budapest, HUNGARY	5/06/98	Institute for Drug Research	"Recent Advances In Retrometabolic Drug Design"
Paris, FRANCE	5/25-28/98	2nd World Meeting on Pharmaceutics, Biopharm. and Pharm. Tech.; Inv. Speaker and Session Chair	"Brain Targeting of Basic Amino Acids and Their Redox Analogs Containing Peptides"
Santiago de Compostela, SPAIN	5/31-6/03/98	9th Intl. Symposium on Cyclodextrins; Inv. Speaker and Session Chair	"The Effect of 2- Hydroxypropyl- $\beta$ Cyclodextrin on the Solubility, Stability and Brain Targeting of Chemical Delivery Systems for Neuropeptides"
Tokyo, JAPAN	6/09-11/98	Challenges for Drug Delivery and Pharmaceutical Technology; Inv. Speaker and Session Chair	"Retrometabolic Drug Design Approaches"
Budapest, HUNGARY	7/16-20/98	Institute for Drug Research, Ltd.	"Neuropeptide Targeting to the Brain"
Reykjavik, ICELAND	7/28-8/3/98	University of Iceland	"Soft Drug Approach in Drug Design"

Curriculum Vitae--Presentations  
 Nicholas Bodor

Debrecen, HUNGARY	10/19-23/98	Medical Univ. of Debrecen; Scientific Symposium to Celebrate 80 <sup>th</sup> Anniversary	"Retrometabolic Concepts for the Design of Safer Drugs"
Gainesville, FL	10/28/98	Honors Seminar in Pharm. Research, College of Pharmacy University of Florida	"Retrometabolism-Based Drug Design: Making MBs Better and Safer"
Budapest, HUNGARY	1/04-31/99	Institute for Drug Research & the Hungarian Academy of Sciences	"Computer Drug Design" & "Computer Assisted Design of Soft Drugs"
Budapest, HUNGARY	3/23-4/02/99	Institute for Drug Research & the Technical University Of Budapest	"Retrometabolism-Based "Drug Design" & "Graduate Education at the University of Florida"
Dresden, GERMANY	4/18-20/99	Technical University of Dresden Invited Speaker	"Chemical Approaches in the Design of Targeted Drugs"
Jerusalem, ISRAEL	4/25-30/99	7 <sup>th</sup> Euro. Congress of Biopharmaceutics & Pharmacokinetics and 5 <sup>th</sup> Congress of the Euro. Fed. Of Pharmaceutical Sciences Invited Speaker & Session Co-Chair	"Drug Targeting Using Retrometabolic Approaches"
Amelia Island, FLORIDA	5/11-14/99	2 <sup>nd</sup> Retrometabolism Based Drug Design and Targeting Conference Founder and Organizer	"Recent Advances in Retrometabolic Drug Design"
Monroe, LOUISIANA	5/20-21/99	AAPS-SRDG 2 <sup>nd</sup> Annual Meeting Keynote Address	"Drug Targeting Using Retrometabolic Approaches"

Curriculum Vitae--Presentations

Nicholas Bodor

Groton, CONNECTICUT	5/24/99 Pfizer Central Research Invited Lecturer	"Retrometabolic Drug Design and Targeting" & "Computational Approaches to Retrometabolic Drug Design and Targeting"
New Brunswick, NEW JERSEY	6/2/99 Bristol-Myers Squibb Invited Lecturer	"Computer-Assisted Design of New Drugs Based on Retrometabolic Concepts" & "Recent Advances in Retrometabolic Design Approaches"
Beerse, BELGIUM	9/2-7/99 Janssen Pharmaceuticals Invited Lecturer	"Computational Approaches to Retrometabolic Drug Design And Targeting"
Tampa, FLORIDA	9/21/99 Bausch and Lomb Pharmaceuticals Invited Lecturer	"Novel Soft Steroids for Ophthalmic Use"
Budapest, HUNGARY	9/23-30/99 Institute for Drug Research Invited Lecturer	"Computer Assisted Soft Drug Design"
Gainesville, FLORIDA	10/25 & 27/99 Honors Seminar in Pharm. Research, College of Pharmacy University of Florida	"Retrometabolic Design"
New Orleans, LOUISIANA	11/14-18/99 AAPS Annual Meeting and Exposition Invited Lecturer	"Retrometabolic Approaches for Drug Design and Targeting"
Lisbon, PORTUGAL	2/10-13/00 3 <sup>rd</sup> Intl. Symposium on Ocular Pharmacology & Pharmaceutics (ISOPP); Invited Lecturer	"The Creation of a Site Active (Soft) Steroid."
London, ENGLAND	2/18/00 Norton Healthcare	"Design of a New Class of Soft Steroids"
Cincinnati, OHIO	4/28/00 Procter & Gamble Pharmaceuticals	"Brain Targeting of Neuropeptides"

Curriculum Vitae--Presentations  
Nicholas Bodor

Paris, 7/07/00 FRANCE	27 <sup>th</sup> Intl. Symp. On Controlled Release of Bioactive Materials	“Cyclodextrins and Brain Delivery”
Philadelphia, 8/29/00 PENNSYLVANIA	Rohm and Haas Co.	“Retrometabolic Drug Design and Targeting”
Gainesville, 10/23 & 25/00 FLORIDA	Honors Seminar, In Search of Magic Bullets”, Coll. of Pharmacy University of Florida	"Retrometabolic Design"
Indianapolis, 11/01/00 INDIANA	AAPS Annual Meeting and Exposition	“Retrometabolic Appr. to Design of Ophth. Drugs”
Budapest, 11/13-16/00 HUNGARY	Semmelweiss Univ. of Medicine	“The Högyes Lecture”
Osaka, 11/22/00 JAPAN	Takeda Chemical Industries, Ltd.	“Recent Results in Retrometabolic Drug Design”
Atlanta, 2/08/01 Georgia	IBC 9 <sup>th</sup> Annual Conf. On Alzheimer’s	“Brain-Targeting of Drugs and Neuropeptides”
Tempe, 3/31/01 ARIZONA	Muro Asta Medica Investigator Meeting on LE Nasal Spray	“Design of Loteprednol A Soft Corticosterid”
Basel, 3/28/01 SWITZERLAND	Roche Pharm., Ltd. and Novartis Pharma (two presentations)	“Design of Retrometabolism-Based and Specific Receptor Oriented Drugs”
Hawthorne, 4/17/01 NEW YORK	Taro Pharmaceuticals USA, Inc.	“Design of Loteprednol Etabonate, A Novel Soft Steroid”
Amelia Island, 5/14/01 FLORIDA	3 <sup>rd</sup> Retrometabolism Based Drug Design and Targeting Conf.	“Design of a New Class of Soft Corticosteroids”
Stockholm, 5/31/01 SWEDEN	Stockholm University	“Recent Advances in Retrometabolic Drug Design

Curriculum Vitae--Presentations  
Nicholas Bodor

		and Targeting Approaches”
San Francisco, 10/25-28/01 CALIFORNIA	Foundation Fighting Blindness Meeting, “Drug Delivery: Focusing on the Posterior Segment of the Eye”	“Design of Novel Ophthalmic Drugs Using Retrometabolic Principles”
Gainesville, 11/05 & 07/01 FLORIDA	Honors Seminar in Pharm. Research, College of Pharmacy University of Florida	“Retrometabolic Design --- Magic Bullets”
Budapest, 2/13/02 HUNGARY	Institute for Drug Research Scientific Retreat	“Retrometabolic Drug Design”
Ventura, 2/24-3/01 CALIFORNIA	Drug Carriers in Medicine & Biology (Gordon Res. Conf.)	“Brain Drug Delivery via Redox Carriers”
Gainesville, 3/06-08/02 FLORIDA	3 <sup>rd</sup> Annual Florida Heterocyclic Conference	“The Use of Dihydropyridine Pyridinium Salt Redox System for Development of Brain-Specific Drugs”
Taormina, 4/07-11/02 SICILY	6 <sup>th</sup> Eilat Conference on New Antiepileptic Drugs	“Talampanel”
Reykjavik, 5/05-08/02 ICELAND	11 <sup>th</sup> International Cyclodextrin Symposium	“Theoretical Insights into the Formation, Structure, and Energetics of Some Cyclodextrin Complexes”
Gainesville, 10/30 & 11/01/02 FLORIDA	Honors Seminar in Pharm. Research, College of Pharmacy University of Florida	“Retrometabolic Design”
Budapest, 2/20/03 HUNGARY	Institute for Drug Research Annual Scientific Meeting	“Drug Design and Discovery”
Palm Coast, 5/11-14/03 FLORIDA	4 <sup>th</sup> Retrometabolism Based Drug Design and Targeting Conference	“Soft Corticosteroids: Design Considerations and Recent Advances”

Curriculum Vitae--Presentations  
Nicholas Bodor

Tokyo, 2/05-06/04 JAPAN	Metabolism & Membrane Transport in Drug Discovery and Devel. Conf. (MMT3D)	“Retrometabolic Approaches in Drug Design and Targeting”
Osaka, 2/09/04 JAPAN	Takeda Chemical Ind., Ltd. (three lectures)	“Computer Assisted Drug Design” “Novel Approaches to Treat Sepsis” “Use of AMPA Antagonists For Treatment of Neurological Diseases”
Budapest, 2/18/04 HUNGARY	Institute for Drug Research Annual Scientific Meeting (two lectures)	“Design of Novel Soft Steroids” “Recent Advances in Talampanel”
Sardinia, 5/08-13/04 ITALY	Eilat VII Conference on New Antiepileptic Drugs	“Talampanel”
Budapest, 5/17-19/04 HUNGARY	Hungarian Biochemical Society Meeting	“Retrometabolic Drug Design, CDS and Soft Drugs”
Honolulu, 6/12-17/04 HAWAII	Controlled Release Society 31 <sup>st</sup> Annual Meeting	“Drug Targeting to the Brain by Chemical-Enzymatic Approaches”
Baltimore, 11/07-11/04 MARYLAND	2004 AAPS Annual Meeting	“Insights for Drug Design Based on Metabolic Activity Of the Eye – Soft Drugs and Chemical Delivery Systems”
Budapest, 2/17/05 HUNGARY	Institute for Drug Research Annual Scientific Meeting	“Recent Advances in Soft Drug Design”
Hakone, 5/08-11/05 JAPAN	5 <sup>th</sup> Retrometabolism Based Drug Design and Targeting Conference	“Overview of and Recent Advances in Retrometabolic Drug Delivery”

Curriculum Vitae--Presentations  
Nicholas Bodor

Budapest, 6/21-23/05 HUNGARY	Institute for Drug Research Talampanel Investigator's Meeting	"History of Talampanel – Pre-Clinical & Toxicology
Siófok, 9/26-28/05 HUNGARY	1 <sup>st</sup> BBBB Conference on Pharmaceutical Sciences	"Etiprednol Dicloacetate: Design and Development of a New Soft Steroid"
Sarasota, 10/23-26/05 FLORIDA	37th Annual Meeting of the Hungarian Medical Assn. Of America	"Antiinflammatory Soft Glucocorticoids. The Design and Development of Two Generations of New, Safer Drugs"
Nashville, 11/05-10/05 TENNESEE	2005 AAPS Annual Meeting and Exposition	"Can Peptides Ever Become Drugs? – Targeted Delivery Of Peptides"
Biberach, 5/02/06 GERMANY	Boehringer Ingelheim Research Institute	"Soft Steroids in Asthma and COPD"
Reykjavík, 9/05/06 ICELAND	University of Iceland	"Design and Activity of Two Classes of Soft Steroids"
San Antonio, 10/29-11/03/06 TEXAS	2006 AAPS Annual Meeting and Exposition Symposium	"Retrometabolic Drug Design as Drugability Strategy: The Design and Development of Two Generations of New, Safer Drugs"
San Antonio, 10/29-11/03/06 TEXAS	2006 AAPS Annual Meeting and Exposition "Targeted Prodrug Design" Session	"Targeted Drug Delivery by Sequential Metabolism"
Göd, 6/04/07 HUNGARY	6 <sup>th</sup> Retrometabolism Based Drug Design and Targeting Conference	"Transporter Enhanced Soft Corticosteroid Activity"



Curriculum Vitae--Presentations  
Nicholas Bodor

Munich, 6/09/07  GERMANY		6 <sup>th</sup> Global Gator Meeting “Safe Targeted Drugs by Retrometabolic Design: Soft Drugs and Chemical Delivery Systems”
Torino, 8/5-10/07 ITALY	41 <sup>st</sup> IUPAC Congress	“Recent developments in Retrometabolic Drug Design And Targeting Strategies”
San Diego, 11/10-15/07 CALIFORNIA	2007 AAPS Annual Meeting and Exposition Distinguished Pharmaceutical Scientist Award Special Lecture	“Retrometabolic Drug Design and Targeting Strategies: Chemical Delivery Systems (CDS)”
Orlando, 4/24-26/08 FLORIDA	Keynote Lectures for Bausch & Lomb Symp. Honoring the 10 <sup>th</sup> Anniversary of Loteprednol Etabonate	“Retrometabolic Drug Design” and “Discovery and Development of LE”
Nutley, 4/22/09 NEW JERSEY	Lecture to scientists of Hoffman-La Roche, Inc.	“Retrometabolic Drug Design”
Orlando, 5/10-13/09 FLORIDA	7 <sup>th</sup> Retrometabolism Based Drug Design and Targeting Conference	“Recent Advances in Retrometabolic Drug Design (RMDD) and Development”
Primosten, 9/08-11/10 CROATIA	5 <sup>th</sup> Central European Conf. Chemistry Towards Biology	“Retrometabolic Design: Soft Drugs and Chemical Delivery Systems”
Cambridge, 3/08/11 MASSACHUSETTS	Novartis Institutes for Biomedical Research	“Drug Targeting by Chemical- Enzymatic Delivery Systems”
Sopron, 05/22-25/11 HUNGARY	Hungarian Chemical Society National Conference Plenary Lecture and recipient of Fabinyi Prize	“From Remote Substituent Effects to Retrometabolic Drug Design – 50 Years of Research in Chemistry”

Curriculum Vitae--Presentations  
Nicholas Bodor

Graz, 6/02/11  
GERMANY

8<sup>th</sup> Retrometabolism Based  
Drug Design and Targeting  
Conference

“Recent Advances in  
Retrometabolic Design  
Concepts”

Tokyo, 01/16-18/12  
JAPAN

International Symposium on  
Past, Present and Future of  
Molecular Pharmacokinetics”

“Transporters in  
Retrometabolic Drug Design”

Orlando, 5/12-15/13  
FLORIDA

9<sup>th</sup> Retrometabolism Based  
Drug Design and Targeting  
Conference

“Recent Advances in  
Retrometabolic Drug Design  
(RMDD) and Targeting”

## NICHOLAS BODOR - PUBLICATIONS

1. N. Bodor, L. Fey, M. Kircz and F. Hodosan, "On Direct Iodination of the 20-Oxopregnanes," *Rev. Roumaine Chim.*, **9**, 147 (1964) (in English).
2. N. Bodor, "Isonitrosation of the Substituted Nitroalkylbenzenes. Application of the Hammet-Taft Equation," Chemistry Thesis, Babes-Bolyai University, Cluj, Romania (1965).
3. N. Bodor and A. Kovendi, "Structure and Reactivity in the Substituted Nitrobenzene Series. I. Kinetics and Mechanism of the Isonitrosation of Nitroalkylbenzenes in Alkaline Solution," *Rev. Roumaine Chim.*, **11**, 393 (1966) (in English).
4. N. Bodor, L. Fey and A. Kovendi, "Structure and Reactivity in the Substituted Nitrobenzene Series. II. The Effects of the Structure of Aliphatic Side-Chain on the Isonitrosation of the Nitroalkylbenzenes and on the Properties of the Corresponding Oximes Resulted from This Reaction," *Rev. Roumaine Chim.*, **11**, 405 (1966) (in English).
5. N. Bodor and A. Kovendi, "Structure and Reactivity in the Substituted Nitrobenzene Series. III. The Effect of p-Substituents on the Isonitrosation of the o-Nitroethylbenzene," *Rev. Roumaine Chim.*, **11**, 413 (1966) (in English).
6. N. Bodor, L. Fey and A. Kovendi, "Structure and Reactivity in the Substituted Nitrobenzene Series. IV. The Effect of p-Substituents on the Dissociation and Polarographic Reduction of the o-Nitroacetophenonoxime," *Rev. Roumaine Chim.*, **11**, 421 (1966) (in English).
7. N. Bodor, "Remote Effects in the Steroid Reactions," *Rev. Chimie (Bucharest)*, **19**(9), (1968) (in Romanian).
8. N. Bodor, "Remote Effects. I. On the Nature of the Effects of Remote Substituents," *Rev. Roumaine Chim.*, **13**, 555 (1968) (in English).
9. N. Bodor and O. Mantsch, "Remote Effects. II. Substituent Effects in Epoxidation of the Steroidic C-4,5 Double Bond " *Rev. Roumaine Chim.*, **13**, 1153 (1968) (in English).
10. N. Bodor, L. Fey and A. Kovendi, "Structure and Reactivity in the Substituted Nitrobenzene Series. V. The Effects of o-Substituents on the Dissociation and Polarographic Reduction of the p-Nitroacetophenonoxime," *Rev. Chimie (Bucharest)*, **19**, 552 (1968) (in Romanian).
11. O. Mantsch, N. Bodor and F. Hodosan, "Kinetische Untersuchungen am System Essigsäurehydrid-Salpetersäure-Essigsäure-Acetylnitrat," *Rev. Roumaine Chim.*, **13**, 1435 (1968) (in German).

12. N. Bodor and M. Dewar, "Ground States of Alpha-Bonded Molecules. VIII: MINDO Calculation for Species Involved in Nitration by Acetylnitrate," *Tetrahedron*, **25**(24), 5777-5784 (1969).
13. L. Fey and N. Bodor, "Electronic Spectra of the Substituted  $\alpha$ -Oximinoalkylbenzenes. I. Steric Effects on Electronic Absorption Spectra of the Substituted o-Nitro- $\alpha$ -Oximinoalkylbenzenes," *Rev. Roumaine Chim.*, **14**, 225 (1969) (in English).
14. L. Fey and N. Bodor, "Electronic Spectra of the Substituted Alpha-Oximinoalkylbenzenes. II. MO-Calculations of the Bathochromic Shifts Produced by the Dissociation of Benzaldoxime and p-Nitrobenzaldoxime," *Rev. Roumaine Chim.*, **14**, 319 (1969) (in English).
15. L. Fey and N. Bodor, "Electronic Spectra of the Substituted  $\alpha$ -Oximinoalkylbenzenes. III. Steric Effects on Electronic Spectra of the o-Substituted p-Nitro- $\alpha$ -Oximinoalkylbenzenes," *Rev. Roumaine Chim.*, **14**, 481 (1969) (in English).
16. O. Mantsch and N. Bodor, "Kinetik und Mechanismus der Veresterungsreaktion von Steroidalkoholen mit Acetylnitrat," *Rev. Roumaine Chim.*, **14**, 1295 (1969) (in German).
17. N. Bodor, M. Dewar and A. Harget, "Ground States of Conjugated Molecules. XIX. Tautomerism of Heteroaromatic Hydroxy and Amino Derivatives and Nucleotide Bases," *J. Amer. Chem. Soc.*, **92**, 2929 (1970).
18. N. Bodor, M. Dewar, A. Harget and E. Haselbach, "Ground States of Alpha-Bonded Molecules. X. Extension of the MINDO/2 Method to Compounds Containing Nitrogen and/or Oxygen," *J. Amer. Chem. Soc.*, **92**, 3854-3859 (1970).
19. N. Bodor and M. Dewar, "Ground States of  $\alpha$ -Bonded Molecules. XI. Conformation Analyses by MINDO/2 Method," *J. Amer. Chem. Soc.*, **92**, 4270-4274 (1970).
20. N. Bodor, M. Dewar and S. Worley, "Photoelectron Spectra of Molecules. III. Ionization Potentials of Some Cyclic Hydrocarbons and Their Derivatives, and Heats of Formation and Ionization Potentials Calculated by the MINDO SCF Method," *J. Amer. Chem. Soc.*, **92**, 19-24 (1970).
21. N. Bodor, M. Dewar, W. Jennings and S. Worley, "Photoelectron Spectra of Molecules. IV. Ionization Potentials and Heats of Formation of Some Hydrazines and Amines," *Tetrahedron*, **26**, 4109-4113 (1970).
22. N. Bodor and N. Trinajstic, "Valence-Shell MO-Calculations for Formamide and Related Compounds," *Rev. Roumaine Chim.*, **15**, 1807 (1970) (in English).

23. N. Bodor and M. Dewar, "Protonation of Cyclopropane" *J. Amer. Chem. Soc.*, **93**, 6685-6686 (1971).
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25. N. Bodor, E. Pop and N. Trinajstić, "Valence Shell and I-Electron SCF MO Calculations for the Isomerism of 21-Benzylidene 20-Oxopregnane Derivatives," *Rev. Roumaine Chim.*, **16**(9), 1427-1433 (1971) (in English).
26. N. Bodor, I. Schwartz and N. Trinajstić, "SCF MO Study of the Tautomerism of Anilinothiazole and Related Compounds," *Zeitschrift für Naturforschung*, **26b**, 400-402 (1971) (in English).
27. N. Bodor, M. Dewar and D. Lo, "Ground States of Sigma-Bonded Molecules. XVIII. An Improved Version of MINDO/2 and Its Application to Carbonium Ions and Protonated Cyclopropanes," *J. Amer. Chem. Soc.*, **94**, 5303-5310 (1972).
28. N. Bodor, M. Dewar and J. Wasson, "Ground States of Molecules. XIX. Carbenes and Its Reactions," *J. Amer. Chem. Soc.*, **94**, 9095-9102 (1972).
29. N. Bodor and M. Dewar, "Ground States of Molecules. XX. MINDO/2 Study of Some Carbenes and Their Intramolecular Rearrangements," *J. Amer. Chem. Soc.*, **94**, 9103-9106 (1972).
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31. N. Bodor, B. Chen and S. Worley, "Photoelectron Spectra and SCF MO Calculations for the Dimers of Cyclobutadiene," *J. Elect. Spect. Rel. Phen.*, **4**, 65-71 (1974).
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