

## CURRICULUM VITAE

Barrie M. Phillips

- 1962 Purdue University, Ph.D./Pharmacology, W. Lafayette, Indiana  
1960 Purdue University. M.S./Pharmacology, W. Lafayette, Indiana  
1957 Ferris State University, B.S./Pharmacy, Big Rapids. Michigan

### **Professional Experience**

- 2006-Present Consultant in clinical research
- 2001-2006 President, SFBC Fort Myers, Inc., Fort Myers, Florida
- 1996-2001 President, ClinSites/Leecoast Research Center, Inc., Fort Myers, Florida
- 1996-2000 Vice President, Site Operations, ClinSites, Charlotte, North Carolina, 28262
- 1992-1996 President and CEO, LeeCoast Research Center, Fort Myers, FL 33901
- 1987-1992 Vice President and Director of Research, IRAD Corporation, Fort Myers, FL
- 1986-1987 Director, Information Services Division, International Research and Development Corporation, Mattawan, MI
- 1984-1986 Acting Director, Bioassay Division and Director, Administrative Services Division, International Research and Development Corporation, Mattawan, MI
- 1981-1984 Acting Associate Director, Bioassay Division and Director, Administrative Services Division, International Research and Development Corporation, Mattawan, MI
- 1980-1981 Associate Director. Bioassay Division, International Research and Development Corporation. Mattawan, MI
- 1979-1980 Independent Consultant, Tox-Con Associates, Elkhart, Indiana
- 1979 Technical Consultant, Industrial Bio-Test Laboratories, Inc., Northbrook, Illinois
- 1978-1979 President, Industrial Bio-Test Laboratories, Inc., Northbrook, Illinois
- 1977-1978 Vice President and Director of Research. Industrial Bio-Test Laboratories, Inc.. Northbrook, Illinois
- 1970-1977 Senior Research Scientist and Director. Toxicology Department, Miles Laboratories, Inc., Elkhart, Indiana
- 1968-1970 Senior research Scientist and Director, Pharmacology-Toxicology Laboratory, Miles Laboratories, Inc., Elkhart. Indiana
- 1966-1968 Research Scientist and Section Head, Biochemical Pharmacology-Toxicology Section, Miles Laboratories, Inc., Elkhart. Indiana
- 1963-1966 Research Pharmacologist and Group Leader, Miles Laboratories, Inc., Elkhart, Indiana

1962-1963 Research Pharmacologist, Miles Laboratories, Inc., Elkhart, Indiana

### **Memberships**

American Society for Pharmacology and Experimental Therapeutics (retired)

Society of Toxicology (retired)

American College of Clinical Pharmacology (retired)

American Association of Pharmaceutical Scientists (retired)

Phi Lambda Upsilon, Rho Chi, Sigma Xi

### **Publications**

Phillips, B.M., Miya, T.S., and Yim, G.K.W., Studies on the Mechanism of Meprobamate Tolerance in the Rat, */ Pharmacol. Exptl. Therap.*, **135**: 223, 1962.

Phillips, B.M., Miya, T.S., Excretion of S35 Following Administration of S35-Prochlorperazine in Rats Subjected to Experimental Stress, *Proc. Soc. Exptl. Biol. Med.*, 109:576-1962.

Phillips, B.M., Miya, T.S.. Disposition of S35-Prochlorperazine in the Jaundiced Rat. *Proc. Soc. Exptl. Biol Med.*, 112: 706, 1963.

Phillips, B.M., Miya, T.S.. Disposition of S35-Prochlorperazine in the Rat. */ Pharm. Sci.*, 53:1098,1964.

Phillips, B.M., Kraus, P.J., Stratmeyer, M.E., Spectrophotometric Determination of a Mixture of Secondary and Tertiary Amines in Urine, *J. Pharm. Sci.*, 54: 803, 1965.

Phillips, B.M., Hong, E., Kraus, P.J., Pilkvist, C.E., Biological Disposition of 2-(4-Phenyl-1-piperazylmethyl)-cyclohexanone-1-C<sup>14</sup> (C<sup>14</sup>-MA1050), */ Pharm. Sci.*, 54: 899. 1965.

Phillips, B.M., Kramer, D.L., Method for the Evaluation of Anti-hypertensive Agents. Including Thiazide-type Compounds, *J. Pharm. Sci.*, 54: 1118. 1965.

Phillips, B.M., Pilkvist, C.E., Kraus, P.J., Determination of the Gastrointestinal Absorption of MA568 [4-(1-Phenyl-4-piperazinyl) butyl-3,4,5-trimethoxybenzoate], *Arch, int. Pharmacodyn.*, 156: 358, 1965

Leeling, J.L., Phillips, B.M., Schut, R.N., Fancher, O.E., The Reactions of a Secondary Amine in Chloroform: Implications for Drug metabolism Studies, *J. Pharm. Sci.*, 54: 1739, 1965.

Phillips, B.M., Sancilio, L.F., Kurchacova, E., *In Vitro* Assessment of Antiinflammatory Activity, *J. Pharm. Pharmacol.*, 19. 696, 1967.

Hayao, S., Strycker, W.G., Phillips, B.M., Fujimori, H., Vidrio, H., Sedative, Anti-adrenergic, and Hypotensive 2-substituted 2-H-1,2,4-benzothiadiazin-3(4H)-one-1-dioxides, *J. Med. Chem.*, 11: 1246, 1968.

Phillips, B.M., Kraus, P.J., Hammes, T.L., Leeling, J.L., Simultaneous Extraction of Tissue Norepinephrine and Serotonin., *J. Pharm. Sci.*, 58: 572, 1969.

Leeling, J.L., Phillips, B.M., A simple Assay for the Determination of Carbonic Anhydrase Activity, */ Pharm. Sci.*, 58: 909, 1969.

- Phillips, B.M., Havera, H.J., Hammes, T.L., Ring Opening of cyclic Salicylamides, /. *Pharm. Sci.*, 58: 1414, 1969.
- Hong, E., Phillips, B.M., Pardo, E.G., Farmacologia General del Maleato de Quipazina, *Gaceta Medica de Mexico*, 99: 741, 1969.
- Phillips, B.M., Lorenzetti, O.J., the Influence of Ocular Installation of Phosphate Buffer on Intraocular Pressure in Rabbits, *Tox. Appl. Pharmacol.*, 17: 553, 1970.
- Phillips, B.M., Hartnagel, R.E., Kraus, P.J., PerezTamayo, R., Fonseca, E.H., Kowalski, R.L., The Systemic Toxicity of Poly I:C in Rodents and Dogs, *Tox. Appl. Pharmacol.*, 18: 220, 1971/
- Phillips, B.M., Kraus, P.J., Alien, J.L., Buslee. R.M., A Method of Evaluation of the Influence of Aspirin Formulations on Gastrointestinal Bleeding in Humans, *Tox. Appl. Pharmacol.*, 20: 515, 1971.
- Phillips, B.M., Sanen, F.J., Leeiing, J.L., Hammes, T.L., Hartnagel, R.E., Sancilio, L.F., Lorenzetti, O.J., Kraus, P.J., The Physical, Animal and Human Pharmacologic, and Toxicologic Properties of Desonide, a new, Topically Active, Antiinflammatory Steroid, *Tox. Appl. Pharmacol.*, **20**: 522, 1971.
- Phillips, B.M., Aspirin-Induced Gastrointestinal Microbleedina; in Dogs. *tox. Appl. Pharmacol.*, 24: 182. 1973.
- Gurtoo, H.L, Phillips, B.M., A Method for the Determination of Total Salicylates. Phenacetin and/or Total N-Acetyl-p-Aminophenol. and Caffeine in Bioioeical Samples and Analgesic Formulations, *J. Pharm. Sci.*. 62: 383, 1973.
- Medon, P.J., Leeiing, J.L, Phillips, B.M., Influence of Quipazine, A Potential Anti-Parkinsonian Agent, on the Uptake of <sup>3</sup>H-Dopamine and <sup>3</sup>H-Serotonin into Rat Striatal Tissue *In Vitro*, *Life Sciences*, 13: 635, 1973.
- Buckler, R.T., Hartzler, H.E., Phillips, B.M.. Antiinflammatory beta-Arylamidoacrylic Acids, *J. med. Chem.*, 18: 509, 1975.
- Hartnagel, R.E., Phillips, B.M., Kraus, P.J., Kowalski, R.L, Fonseca, E.H., A Subchronic Study of the Toxicity of an Orally Administered Benzoquinoliziny Derivative in the Rat and Dog, *Toxicology*, 4: 215, 1975.
- Leeiing, J.L., Bare, J.J., Phillips, B.M., Medon, P.J., Influence of l-Methyl-3-keto-4-phenylquinuclidinium Bromide on Rat Tissue Monomine Levels *In vitro*, *Arzneim. Forsch. (Drug Research)*, 26: 1665, 1976.
- Hartnagel, R.E., Phillips, B.M., Fonseca, E.H., Kowalski, R.L., The Acute and Target Organ Toxicity of l-Methyl-3-keto-4-phenylquinuclidinium Bromide (MA540) and Guanethidine in the Rat and Dog, *Arzneim. Forsch. Drug Research*), 26: 1671, 1976.
- Leeiing, J.L., Phillips, B.M., Kowalski, T.L., Kowalski, R.L., Influence of Aspirin Formulation and Dose on Concentration of Total Salicylate in Rat Kidney, /. *Pharm. Sci.*, **65**: 447, 1976.
- Phillips, B.M., Hartnagel, R.E., Leeiing, J.L., Gurtoo, H.L., Does Aspirin Play a Role in Analgesic Nephropathy?, *Austr. and New Zealand J. Med.*, 6 (Suppl. 1) : 48, 1976.
- Phillips, B.M., Quiring, J.N., Hurley, J.W., Myers, C.E., Hartnagel, R.E. Kowalski, R.L., The Influence of Aspirin on Gastrointestinal Bleeding in Dogs with Gastric Ulcers, *Am. J. Dig. Dis.*, 12: 1029, 1976.
- Phillips, B.M., Palermo, B.T., Physical Form as a Determinant of the Effect of Buffered Acetylsalicylate Formulations on Gastrointestinal Bleeding, /. *Pharm. Sci.*, **66**: 124, 1977.

Buckler, R.T., Hartzler, H.E., Kurchocova, E., Phillips, B.M., Synthesis and Antiinflammatory Activity of Some 1,2,3- and 1,2,4-Triazole Propionic Acids, *J. Med. Chem.*, submitted.

Muni, LA., Leeling, J.L., Helms, R.J., Johnson, N., Bare, J.J., Phillips, B.M., Improved Colorimetric Determination of Salicylic Acid and Acetylsalicylic Acid in human Plasma, *Pharm. Sc.* 67:289, 1978.

Muni, LA., Leeling, J.L., Johnson, N., Phillips, B.M., Disposition of  $^{14}\text{C}$ ,  $^3\text{H}$ -Benzoquinoliziny Hydrochloride in Rats and Dogs and Identification of Several of its metabolites. *Drug Metab. Disp.*, submitted.

Bare, J.J., Janakiraman, T., Phillips, B.M., Platt, R.D., Whitesell, J.H., A Computer System and Statistical Methodology for the Analysis of Blood and Urine Chemistry Data in Laboratory Animals, *Drug Info. J.*, : 141, 1978.

Leeling, J.L., Phillips, B.M., Lorenzetti, O.J., Pharmacologic Study of Broperamole, A Chemically Novel Antiinflammatory Compound, *Arzneim. Forsch. (Drug Research)*, 30: 1109, 1980.

Leeling, J.L., Phillips, B.M., Lorenzetti, O.J., Ben, M., TR2378, A Tetrazolylalkanoic Amide with Systemic and Topical Antiinflammatory Activity. *Arch. int. Pharmacodyn.*, submitted.

Schneider, F.H., Mione, P.J., Raheman, F.S., Phillips, B.M., Quiring, J.N., Reduction of Tobacco Withdrawal Symptoms By Sublingual Lobeline Sulfate, *Am. J. Health Behavior*, in press.

## **Seminars**

Phillips, B.M., Assembly of Nonclinical Data for Drug Application Submission - A Contracting Laboratory Viewpoint, presented at the Drug Information Association Workshop on Organization of Nonclinical Data for Effective Evaluation, September 15, 1986.

## **Abstracts**

Miya, T.S., Phillips, B.M., Emmerson, J.L., Yim, G.K.W., Tissue Distribution and Tolerance Development to Meprobamate in the Rat, *Pharmacologist*, 2: 92, 1960.

Phillips, B.M., Miya, T.S., Yim, G.K.W., Mechanism of Meprobamate Tolerance in the Rat, *Pharmacologist*, 3: 80, 1961.

Phillips, B.M., Miya, T.S., Disposition of S<sup>35</sup>.prochlorperazine in the Rat, *Pharmacologist*, 4: 170, 1962.

Sancilio, L.F., Rodriguez, R., Kraus, P.J., Phillips, B.M., Experimental Pleural Effusion as an Assay for Antiinflammatory Compounds, *Pharmacologist*, 5: 212, 1963.

Phillips, B.M., Hong, E., Kraus, P.J., and Pilkvist, C.E., The Biological Disposition of C<sup>14</sup>-MA1050 [2-(4-Phenyl-1-piperazinylmethyl)-cyclohexanone], *Fed. Proc.*, 23: 491, 1964

Phillips, B.M., Kraus, P.J., Hammes, T.L., Leeling, J.L., Extraction of Tissue Monamines, *Abstracts. III International Pharmacological Congress*, p. 81, 1966.

Phillips, B.M., Hammes, T.L., The Biological Disposition of Zolertine, *Fed. Proc.* 26: 684. 1967.

Phillips, B.M., Hartnagel, R.E., Leeling, J.L., Gurtoo, H.L., Does Aspirin Play a Role in Analgesic Nephropathy?, *Austr. and New Zealand J. Med.*, : 1974.

Phillips, B.M., Quiring, J.N., Hurley, J.W., Myers, C.E., Hartnagel, R.E., Kowalski, R.L.. The Influence of Aspirin on Gastrointestinal Microbleeding in Dogs with Gastric Ulcers. *Abstracts, VI International Congress of Pharmacology*, p. 119, 1975.

Muni, L.A., Leeling, J.L., Helms, R.J., Johnson, N., Phillips, B.M.. Comparison of Plasma Levels of Salicylates Determined by Gas Liquid Chromatographic and Colorimetric Techniques, *Abstracts, 10th Great Lakes Regional A.C.S Meeting*, p. 141, 1976.

Bare, J.J., Platt, R.D., Phillips, B.M., Automatic Processing of Clinical Laboratory Data in a Small Laboratory, *Tox., Appl. Pharmacol.*, **41**: 193, 1977.

Johnson, N., Muni, I.A., Leeling, J.L., Phillips, B.M., Disposition of  $^{14}\text{C}/^3\text{H}$ -TR2379. Benzoquinoliziny Propionanilide Hydrochloride. in Rats and Dogs, and Identification of Several Metabolites, *Fed. Proc.*, **36**: 936, 1977.

Rausina, G.A., Willis, L.R., Goode, J.W., Phillips, B.M., Annelin, R., Hobbs, E., A static Chronic Bioassay Conducted with an Organosilicon Chemical, TX-1319, in *Daphnia magna*, *Tox. Appl. Pharmacol.*, 45: 311, 1978.

Schneider, F.H., Mione, P.J., Quiring, J.N., Phillips, B.M., Reduction of Tobacco Withdrawal and Cigarette Smoking With L-Lobeline, *Addictive Dis.*, 13: 257, 1994.

### **Patents**

Saeed, S.A., Schneider, C, Phillips, B.M., Method of Treating Inflammation Utilizing Gallic Acid and Esters Thereof, U.S. Patent Number 3, 833, 732, September, 1972.