

BIOGRAPHICAL DATANAME: **JAMES PETER KUTNEY**

DATE AND

PLACE OF BIRTH: May 2, 1932 Lamont, Alberta, Canada

EDUCATION:

University of Alberta	B.Sc.	1954
University of Wisconsin	M.Sc.	1956
Wayne State University	Ph.D.	1958

ACADEMIC AWARDS:

Fred H. Irwin Prize in Organic Chemistry,
University of Alberta, 1953

First Class Honours Prize,
University of Alberta, 1954

Eli Lilly and Company Fellowship, Wayne State
University, 1956-1957

U.S. Public Health Fellow, Wayne State
University, 1957-1958

Graduate School Award, Wayne State
University, 1957-1958

NATO Scholarship, Bonn, West Germany, 1965

Merck, Sharp and Dohme Award,
Chemical Institute of Canada, 1968

Jacob Biely Research Prize, University
of British Columbia, 1972

Master Teacher Merit Award, University
of British Columbia, 1973

APPOINTMENTS:

University of British Columbia:

Instructor	1959-1961
Assistant Professor	1961-1964
Associate Professor	1964-1966
Professor	1966-present

Visiting Professor, Federal University of Brazil,
Rio de Janeiro, Summer, 1967

Visiting Professor, Japan Society for the
Promotion of Science, Japan, Summer, 1975

Visiting Professor, Arizona State University,
Tempe, Arizona, 1978

MEMBERSHIP IN
PROFESSIONAL SOCIETIES:

Chemical Institute of Canada (Fellow)
American Chemical Society
Royal Chemical Society, London, England
Chemical Society, Switzerland
Pharmaceutical Society of Japan
Phi Lamda Upsilon
Sigmi Xi

POSITIONS HELD:

Treasurer, Organic Division, Chemical Institute
of Canada (CIC), 1967
Vice-Chairman, Organic Division, CIC, 1968
Chairman, Organic Division, CIC, 1969
Member, National Research Council of Canada,
Committee on International Scientific
Exchanges, 1970
Member, Board of Directors, Canadian Patents and
Development Limited, 1976-1981
Member, Killam Postdoctoral Committee, 1979-1984
Member, Science Council of British Columbia, 1978-1981
Member, Advisory Panel on Biotechnology, NSERC,
1982-1984
Member, Editorial Board, Heterocycles, 1974-present
Member, International Advisory Board, 15th IUPAC
International Symposium on the Chemistry of
Natural Products, The Hague, Netherlands, 1986
Member, International Advisory Board, NATO Advanced
Workshop on Bioorganic Chemistry, Houthalen,
Belgium, 1999
Member, Biotechnology Technical Advisory Committee,
SPARK, Science Council of B.C., 1990
Member, International Advisory Board, IUPAC
19th International Symposium on Chemistry of
Natural Products, Karachi, Pakistan, 1993-1994
Member, International Editorial Board, Heterocyclic
Communications, 1993-present
Member, IUPAC Divisional Subcommittee on Bioorganic
Chemistry, 1994-1997

CONSULTANCIES:

MacMillan Bloedel, 1968-1978
United Nations Development Program on Biotechnology,
Concepcion, Chile, 1989-1991
United Nations International Development Organization
(Vienna) Program on Biotechnology, Sofia,
Bulgaria, 1990-1991
International Development Research Centre, Government
of Canada Programs in Latin America, 1989-1991
State Key Laboratory for New Drug Research, Shanghai
Institute of Materia Medica, Chinese Academy of
Sciences, Shanghai, China, 1992-present.

INVITED LECTURES:

Conferences and Symposia:

- Symposium on Heterocyclic Steroids, American
Chemical Society, Philadelphia, 1964;
- International Symposium on Phytochemistry and
Medicinal Plants of the Pacific Region, Noumea,
New Caledonia, 1964;
- International Symposium on Catharanthus, Vinca, and
Related Indole Alkaloids, American Society of
Pharmacognosy, Pittsburgh, 1964;
- Gordon Conference on Steroids and Other Natural
Products, New Hampton, N.H., 1964, 1966, 1969;
- International Advanced Study Course on Optical Rotatory
Dispersion and Circular Dichroism, Bonn,
Germany, 1965;
- Chemical Institute of Canada, Tour Speaker, 1965;
- International Program for Scientific Exchanges, National
Research Council of Canada, Brazil, Summer,
1967;
- Symposium on Chemistry and Utilization of Bark,
American Chemical Society, San Francisco, 1968;
- Second International Natural Products Symposium,
Kingston, Jamaica, 1968;
- Merck Award Lecture, National Meeting, Chemical
Institute of Canada, Vancouver, 1968;
- International Symposium on Natural Products,
Fredericton, New Brunswick, 1968;

- American Chemical Society, Tour Speaker, Pacific Northwest Region, 1968;
- Second Natural Products Symposium, Storrs, Connecticut, 1969;
- Intra-Science Award Symposium, Santa Monica, California, 1969;
- Third International Natural Products Symposium, Kingston, Jamaica, 1970;
- Invited Representative, National Cancer Institute of Canada, Tenth International Cancer Congress, Houston, Texas, 1970;
- Plenary Lecturer, Third International Congress on Heterocyclic Chemistry, Sendai, Japan, 1971;
- Fourth International Natural Products Symposium, Kingston, Jamaica, 1972;
- Academy Lecturer, German Academy of Sciences, Halle, DDR, 1972;
- Invited Lecturer, Italian Chemical Society, Milan, 1972;
- Invited Lecturer, Colorado Section, American Chemical Society, Denver, 1973;
- Fourth Cancer Conference, National Cancer Institute, Hunt Valley, Maryland, 1973;
- Ninth International IUPAC Symposium on Chemistry of Natural Products, Ottawa, 1974;
- J. A. McRae Memorial Lecturer, Queen's University, Kingston, Ontario, 1974;
- International Symposium, Phytochemical and Pharmaceutical Societies of Great Britain, Salford, UK, 1974;
- Gordon Research Conference on Natural Products, New Hampton, N.H., 1975;
- Sixth International Natural Products Symposium, Kingston, Jamaica, 1976;
- European Symposium on Bio-Organic Chemistry, Cadiff, Wales, 1976;
- Academy Lecturer, Polish Academy of Sciences, Warsaw, 1976;
- American Society of Pharmacognosy, Cable, Wisconsin, 1976;
- Chemical Institute of Canada - American Chemical Society, Joint National Meeting, Montreal, 1977;
- Sixth International Congress of Heterocyclic Chemistry, Tehran, Iran, 1977;
- International Symposium on Natural Products, Nagoya, Japan, 1977;

- Symposium on Heterocyclic Chemistry, Sendai, Japan, 1977;
- Invited Lecturer, Cuban Program, CUSO, University of Havana, Cuba, 1977;
- Sixth International Symposium on Chemistry of Heterocyclic Compounds, Brno, Czechoslovakia, 1978;
- American Chemical Society Medicinal Chemistry Symposium, Kalamazoo, Michigan, 1978;
- National Institutes of Health Meeting on Fermentation, Ann Arbor, Michigan, 1979;
- Academy Lecturer, Polish Academy of Sciences, Warsaw, 1979;
- Plenary Lecturer, Eighth International Conference on Isoprenoids, Torun, Poland, 1979;
- Chemical Society of Great Britain, Fourth Lakeland Heterocyclic Chemistry Symposium, Grasmere, England, 1979;
- Symposium of Netherlands Foundation for Chemical Research, Nijmegen, Holland, 1979;
- International Conference on Chemistry and Biotechnology of Biologically Active Products, Varna, Bulgaria, 1981;
- IUPAC Symposium Organometallic Chemistry Directed toward Organic Synthesis, Fort Collins, Colorado, 1981;
- 28th IUPAC Congress, Vancouver, B.C., 1981;
- Ninth International Symposium on Chemistry of Natural Products, Kingston, Jamaica, 1982;
- Plenary Lecturer, IUPAC Symposium on Chemistry of Natural Products, Pretoria, South Africa, 1982;
- American Chemical Society Meeting, Seattle, Washington, 1983;
- Alfred Benzon Symposium on Natural Products and Drug Development, Copenhagen, Denmark, 1983;
- Plenary Lecturer, IUPAC Symposium on Chemistry of Natural Products, Poznan, Poland, 1984;
- Invited Lecturer, Tenth International Congress of Heterocyclic Chemistry, Waterloo, Ontario, 1985;
- Invited Lecturer, Eleventh Isoprenoid Conference, Warsaw, Poland, 1985;
- Plenary Lecturer, Third International Conference on Chemistry and Biotechnology of Biologically Active Natural Products, Sofia, Bulgaria, 1985;
- Du Pont Distinguished Lecture Series in Chemistry, Bloomington, Indiana, 1986;

- Dow Chemical Foundation Lecture Series, Fort Worth, Texas, 1986;
- 69th Canadian Chemical Conference, Biotechnology and Chemistry Symposium, Saskatoon, 1986;
- 15th IUPAC International Symposium on the Chemistry of Natural Products, The Hague, Netherlands, 1986;
- Workshop on Biotechnology of Antibiotica, Steroids, and Alkaloids of Medicinal Importance, Razgrad, Bulgaria, 1986;
- Multiciencias-IOCD 86 - Course/Symposium on the Physics and Chemistry of Natural Products, Cusco, Peru, 1986;
- International Symposium on Natural Products in Collaboration with IOCD, Lima, Peru, 1986;
- XVII Latin American Congress in Chemistry, Bogota, Colombia, 1986;
- International Organization for Chemical Sciences in Development International Congress on Natural Products, Oaxtepec, Mexico, 1987;
- Chemical Research and Industrial Development Conference, University of Puerto Rico, Humacao, Puerto Rico, 1987;
- 31st IUPAC Congress on Chemistry, Sofia, Bulgaria, 1987;
- Princess Congress I. International Congress on Natural Products, Bangkok, Thailand, 1987;
- XVIII Latin American Congress of Chemistry, Santiago, Chile, 1988;
- IDRC Workshop on Chemical Technology, Campinas, Brazil, 1988;
- Second Latin American Congress on Phytochemistry, Mexico City, Mexico, 1988;
- International Graduate School of Chemical Sciences, University of Amsterdam, Amsterdam, Netherlands, 1988;
- IUPAC, 16th International Symposium on the Chemistry of Natural Products, Kyoto, Japan, 1988;
- Conference on Bioorganic Chemistry, Lunteren, Netherlands, 1988;
- Symposium, Tissue Culture Association, 40th Annual Meeting, Orlando, Florida, 1989;
- Fifth Congress of Federation of Asian and Oceanian Biochemists, Seoul, Korea, 1989;
- Thirteenth International Conference on Isoprenoids, Poznan, Poland, 1989;

- Fourth International Symposium on Natural Products, Karachi, Pakistan, 1990;
- International Conference on Natural Products, Kathmandu, Nepal, 1990;
- NATO Advanced Research Workshop on Bioorganic Chemistry in Health-Care and Technology, Houthalen, Belgium, 1990;
- Invited Scientist, Korea Institute of Science and Technology, Seoul, Korea, 1992;
- Phytochemical Society of Italy Conference, Fiuggi, Italy, 1992;
- Phytochemical Society of North American and Europe Conference, Miami Beach, Florida, 1992;
- Exchange Scientist, Cooperative Program on Biotechnology, Tokushima-Bunri University, Tokushima, Japan, 1992;
- 4th IBN SINA Conference - International Symposium on Pure and Applied Heterocyclic Chemistry, Cairo, Egypt, 1992;
- XX International Symposium of Natural Products Chemistry, Mexico City, Mexico, 1993;

- International Conference on Use of Traditional Medicine and Other Natural Products in Health Care, Penang, Malaysia, 1993;
- XV International Botanical Congress, Yokoham, Japan, 1993;
- 3rd International Conference of Latin American Society of Phytochemistry, Celaya, Guanajuato, Mexico, 1993;
- 19th International IUPAC Symposium on Chemistry of Natural Products, Karachi, Pakistan, 1994;
- 8th International Congress on Plant Tissue and Cell Culture, Firenze, Italy, 1994;
- 4th Tohwa University International Symposium on the Chemistry of Biologically- and Physiologically-Active Natural Products, Fukuoka, Japan, 1994;
- IUPAC (Organic) Divisional Subcommittee on Bioorganic Chemistry Meeting, Amsterdam, Netherlands, 1995;
- International Chemical Congress of Pacific Basin Societies, Honolulu, Hawaii, 1995;
- Latin American Phytochemical Society, Montevideo, Uruguay, 1996;
- IUPAC Conference on Organic Synthesis, Amsterdam, Netherlands, 1996;

- 2nd Asia-Pacific Conference on Plant Cell and Tissue Culture, Beijing, China, 1996;
- International Conference on Biodiversity and Bioresources-Conservation and Utilization, Phuket, Thailand, 1997;
- 6th IBN SINA International Conference on Pure and Applied Heterocyclic Chemistry, Cairo, Egypt, 1997;
- Symposium on Structure and Biosynthesis of Isoquinoline, Indole Alkaloids, Istanbul, Turkey, 1998;
- 21st IUPAC Symposium on Chemistry of Natural Products, Beijing, China, 1998;
- Workshop in Plant Cell Cultures, Florence, Italy, April, 1999;
- 2nd IUPAC International Conference on Biodiversity, Belo Horizonte, Brazil, 1999;
- 37th IUPAC Congress, Frontiers in Chemistry, Berlin, Germany, 1999;
- International Conference on Natural Products, Kuala Lumpur, Malaysia, 2000;

PUBLICATIONS

1. C. Djerassi, J. Fishman, M. Gorman, J.P. Kutney and S.C. Pakrashi, *J. Am. Chem. Soc.*, 79, 1217-1222 (1957). Alkaloids Studies. XVI. Alkaloids of *Rauwolfia tetraphylla* L. The Structure of Tetraphylline and Tetraphyllicine.
2. M. Gorman, N. Neuss, C. Djerassi, J.P. Kutney and P.J. Scheuer, *Tetrahedron*, 1, 328-337 (1957). Alkaloid Studies - XIX. Alkaloids of Some Hawaiian *Rauwolfia* Species: The Structure of Sandwicine and its Interconversion with Ajmaline and Ajmalidine.
3. J.P. Kutney and R.A. Johnson, *Chem. and Ind.*, 1713-1714 (1961). Synthesis of 6-Aza Steroids: A Novel Class of Steroidal Hormones.
4. C. Djerassi, J.P. Kutney, M. Shamma, J.N. Shoolery and L.F. Johnson, *Chem. and Ind.*, 210-211 (1961). Alkaloid Studies. XXVII. The Structure of Skytanthine.
5. J.P. Kutney and R.C. Selby, *J. Org. Chem.*, 26, 2733-2737 (1961). Synthesis in the Pyridine Series. I. The Synthesis of 3,4-Dimethyl-5-Isopropylpyridine. A General Approach to 3,4,5-Trialkylated Pyridines.