

CURRICULUM VITAE

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PLACE OF BIRTH: Pomona, California

CITIZENSHIP: United States

MARITAL STATUS: Married

EDUCATION:
1955-1958 B.S. (1959) University of California, Los Angeles
1958-1962 M.D. (1962) University of California, San Francisco

LICENSURE:
State of California (A-20917)
State of Victoria, Australia (the-555)

BOARD CERTIFICATION:
1968 Diplomate, American Board of Internal Medicine (Internal Medicine)
1970 Fellow, American College of Physicians
1972 Diplomate, American Board of Internal Medicine (Endocrinology)

PROFESSIONAL EXPERIENCE:

1962-1963 Internship in Medicine, Kings County Hospital
University of Washington, Seattle, Washington

1963-1964 Assistant Resident in Medicine
University of Washington, Seattle, Washington

1964-1966 Clinical Research Associate
Research Metabolism Section
National Institute of Child Health and Human Development
National Institutes of Health, Gerontology Branch

1966-1967 Associate Resident in Medicine
University of California, Los Angeles

1967-1969 N.I.H. Special Fellow in Endocrinology
UCLA School of Medicine, Harbor General Hospital Campus

1969-1971 Director, Medical Residency Program
St. Mary's Long Beach Hospital - Harbor General
Hospital Combined Program

1969-1972 Assistant Professor of Medicine (Endocrinology)
UCLA School of Medicine, Harbor General Hospital Campus

1972-1973	Associate Chief of Endocrinology UCLA School of Medicine, Harbor General Hospital Campus
1973-1978	Associate Professor of Medicine (Endocrinology)
1973-1979	UCLA School of Medicine, Harbor General Hospital Campus
1973-present	Chief, Division of Endocrinology and Metabolism Harbor-UCLA Medical Center
1978-present	Professor of Medicine (Endocrinology) UCLA School of Medicine, Harbor-UCLA Medical Center
1978-1979	Acting Director, Clinical Study Center Harbor-UCLA Medical Center
1980-1981	Visiting Professor, Departments of Anatomy and Medicine Monash University School of Medicine Melbourne, Australia
1986-1992	Director, UCLA Population Research Center
1986-1990	Coordinator, UCLA Divisions of Endocrinology and Metabolism
1991-present	Director, Harbor-UCLA Reproductive Program - World Health Organization Collaborative Center for Reproduction.
1997-present	Associate Chair, Department of Medicine Harbor-UCLA Medical Center

ACADEMIC HONORS:

1959	Anatomy Research Award
1960	Roche Award
1960-1962	Tausig Memorial Scholarship Award
1961	Alpha Omega Alpha
1962	Merck Award
1962	Mosby Scholarship Award
1967-1969	NIH Special Fellowship
1972-1977	NIH Career Development Award
1974	Wyeth Award Outstanding Research Paper presented at the Society for the Study of Reproduction
1975	Squibb Award Outstanding Research Paper presented at the Pacific Coast Fertility Society
1984	Wyeth Award Outstanding Research Paper
1984	Squibb Award Outstanding Research Paper presented at the Pacific Coast Fertility Society
1986	Serono Award - Outstanding Contributions to Male Reproductive Endocrinology
1990	Serono Inaugural Lecturer; Australian Society of Reproductive Biology,
1998	UCLA Sherman Mellinkoff Award-The Most Outstanding UCLA Faculty Award
1998	Harbor-UCLA Outstanding Researcher Award
2000	Mayo Soley Award (Western Society of Clinical Investigator Outstanding West Coast Investigator Award)
2004	American Association of Andrology's Distinguished Andrologist Award (Journal of Andrology Supplement pp10-11, March/April 2004)

PROFESSIONAL SOCIETIES:

Member:

1961	Alpha Omega Alpha
1967	American Federation for Clinical Research
1969	Endocrine Society
1970	Fellow, American College of Physicians
1970	Society for the Study of Reproduction
1971	Western Society for Clinical Investigation

1973	Pacific Coast Fertility Society
1974	Western Society for Pediatric Research
1975	Society for Pediatric Research
1975	Honorary Member - Sociedad Venezolana de Endocrinología y Metabolismo
1976	American Society of Andrology
1981	Western Association for Physicians
1986	American Association of Physicians

Officer:

1970-1971	AFCR - Councilor, Western Section
1971-1972	AFCR - President-Elect, Western Section
1971-1973	AFCR - National Council
1972-1973	AFCR - President, Western Section
1974	AFCR - National Council, Councilor at large
1974	AFCR - Social Issues Committee
1974	Endocrine Society - Public Affairs Committee
1974-1978	Pacific Coast Fertility Society - Board of Directors Program Chairman (1977)
1978-1981	American Andrology Society - Executive Council
1979-1982	Western Society for Clinical Research - Secretary/Treasurer
1979-1982	Intersociety Council for WSCR, AFCR (Western Section), WAP and WSPR - Chairman
1982	Western Society for Clinical Investigation - President-Elect
1983	Western Society for Clinical Investigation - President
1984	Pacific Coast Fertility Society - President
1984	American Andrology Society - Chairman, Post Graduate Education Committee
1986	Endocrine Society - Chairman, National Arrangement Committee Meeting
1987	American Andrology Society - Publications Committee
1988-1990	American Andrology Society - Chairman, Finance Committee
1989-present	The Endocrine Society - Education Committee
1989-1993	The International Society of Andrology - Member of The Executive Council
1991	The Endocrine Society - Special Advisor Program Committee
1992-1993	American Andrology Society - President
1993-1996	Chairman, Los Angeles Cross Town Endocrine Club
1997-present	Klinefelter's Syndrome Association - Scientific Advisory Committee
1998-present	Foundation for Research in Aging - Science Director

EDITOR, EDITORIAL BOARD OR REVIEWER FOR THE FOLLOWING JOURNALS:

Journal of Clinical Endocrinology and Metabolism (Editor, 1978-1983)

Journal of Andrology (Editorial Board 1988-1990)

Endocrinology

Endocrinology Practice

Journal of Clinical Investigation

Biology of Reproduction

Annals of Internal Medicine

Science

Contraception

Metabolism

Hormone and Metabolic Research

Fertility and Sterility
Clinical Endocrinology
Journal of Andrology
Molecular and Cellular Biology
Nature
New England Journal of Medicine
Journal of Pediatrics
Biochemical and Biophysical Research Communications
International Journal of Fertility
Journal of Urology
American Journal of Physiology
Thyroid

REVIEWER OF GRANT AND CONTRACT APPLICATIONS:

National Institutes of Health
National Science Foundation
Veterans Administration
CONRAD

CONSULTANT FOR INDUSTRY (Historical)

Schering-Plough Corporation Advisory Board
Unimed Corporation
Parke-Davis Pharmaceutical
Biotechnology General
BKB Pharmaceuticals
Hoechst Corporation
Alza Corporation
Wyeth Ayerst
Besins
Jenapharm
American BioScience
Bayer
Zonagen
MacroChem

Presently

Schering AG
Solvay Pharmaceutical
Lilly Pharmaceutical
Glaxo SmithKline
Ligand Corporation
Organon
Ascend/Besins
ARYx
Auxillium
Clarus
Columbia
Corcept
Merck
Pierre Fabre
Renovis
Repros
Acadia
Actelion Pharmaceuticals

Ardana
CONRAD (USAID) Technical Advisory Committee
Clinical Advisors
Gerson Lehman
Haymarket
Indevus
MedaCorp
World Health Organization; Collaborating Center

INTERNATIONAL COMMISSIONS AND GRANTING AGENCIES:

United Nations/World Health Organization
1984-1989 Consultant, Steering Committee Member of the Task Force on Methods for the Regulation of Male Fertility
1991-92 Special Consultant
1984-86 Site Visit Member, Family Planning Research Institute of Sichuan, Chengdu, Peoples Republic of China, Nanjing and Beijing
1984 United States - Indian Collaborative Research on Contraceptive Development - New Delhi
2005 European Academy of Andrology

NATIONAL COMMITTEES AND GRANTING AGENCIES:

1986 - present American Medical Association Drug Evaluations
1986-1991 NIH Committee, Population Research Center
1989 - present American Board of Internal Medicine Evaluation Committee
1993 - present CONRAD - Technical Advisory Committee
1993 Contraceptive Development Branch, NICHD, NIH-Special Consultant-Long Range Planning Cmte
1993 - present National Aging Institute, NIH Safety Advisory Committee, Aging and Tropic Factors
1996 - present National Klinefelter's Society, Chairman, Scientific Committee
1997 Endocrine Society Abstract Selection Committee
1997-2000 NIH Committee, Reproduction Sciences Branch
1997-present United States Olympic Committee
1999-present Mellon Foundation Reproductive Biology Program
2000 Program Committee NIH Symposium on Klinefelter's Syndrome NICHD
2001-present United States Anti-Doping Agency (USADA)
2001-present United States Pharmacopeia

CENTER DIRECTORSHIP

1986-1991 NIH, Population Research Center
1992-present WHO Collaborating Center for Research in Human Reproduction
1999-present Mellon Center for Men's Health
2003 NIH Contraceptive Clinical Trials Center

UCLA

1985-1992 Director, UCLA Population Research Center
1986 Executive Committee Chairman
1986 Scientific Programs - Appointments and Promotions (elected)
1984-present Executive Committee Alternate
1986-1990 UCLA Endocrine Divisions Coordinating Committee Chairman
1991-1992 Search Committee, Chair, Department of Medicine (CHS)
1995- Organizer, UCLA Pituitary Conference (CHS)
1996- Medical Student Thesis Program Committee member

HARBOR-UCLA MEDICAL CENTER

1969-1984 Multiple Committee Assignments

1973-Present	Chief, Division of Endocrinology, Diabetes and Metabolism
1984-1985	Long Range Planning (Chairman)
1985-1990	Medical Office Bldg. Management Committee
1986-present	Department of Medicine Executive Committee
1994-present	Dept of Medicine Chairman, Faculty Career Advancement Committee
1995-96	Search Committee for Endocrinology Faculty-Chair
1996-	Search Committee, Chief Pulmonary Division
1996	Bylaws Committee
1997-Present	Associate Chair, Department of Medicine
1997-2002	Department of Medicine, Chair Committee

LOS ANGELES BIOMEDICAL RESEARCH INSTITUTE

1983-86	Space Committee
1983-86	Research Committee (Administrative Secretary)
1983-86	Administrative Policies (Chairman) Finance Committee (Vice-Chairman) Board of Directors
1984-91	Population Center Executive Committee (Chairman)
1984	Multipurpose Office Building Committee
1987-present	Walter Martin Research Center Administrative Committee Chair
1992-94	Research Committee
1992-97	Bylaws Committee
1997-2002	Bylaws Committee - Chairman
1996-1998	Search Committee, CEO, Vice Chair
1997-2000	REI Board of Directors- Vice Chair; member
1997-2003	REI Executive Committee
1999-2000	Long Range Steering Committee
1999-2000	Infrastructure Task Force, Vice Chair
2000-present	Research Committee
2001-2001	Search Committee Chair, CFO

THESIS COMMITTEES:

1986	Monash University
1994-95	Fakultas Kedokteran Universitas Airlangga, Surabaya, Indonesia
1996-	University of Sidney

SCIENTIFIC AND TECHNICAL ADVISORY COMMITTEES:

1993-present	CONRAD
1996-present	Klinefelter's Association (KSA) – Chairman
2006-	Indevus Scientific Advisory Committee

CLINICAL DISTINCTION:

1992-present	“Best Doctors in America”
1996-present	“Best Doctors in the West”
1996-present	“Best Doctors in Los Angeles”
2001	“A Top Doctor in America”

GUEST LECTURESHIPS, CHAIRMANSHIPS, AND CONSULTANTSHIPS:

1. Chairman, Plenary Session, Western Section, AFCR, Carmel, California, February, 1972.
2. Invited Lecturer, Loma Linda Medical School, "Hypothalamic-pituitary gonadal interrelationships", Loma Linda, California, March, 1972.
3. Invited Participant, Endocrine Society Satellite Symposium on Testis Receptors and Male Control Mechanisms, Washington, D.C., February, 1972.
4. Invited Participant, NIH Airlie House Symposium on Puberty, Airlie House, Virginia, October, 1972.
5. Invited Lecturer, UCLA Postgraduate Medicine Course, "Hypoglycemia", Lake Arrowhead, California, July 1972.
6. Invited Lecturer, American Society of Bariatrics, "Obesity and Hypoglycemia" and "Therapy of Hypoglycemia", Las Vegas, Nevada, 1972.
7. Visiting Professor, St. Joseph's Hospital (University of Arizona affiliated hospital), Phoenix, Arizona, October, 1972.
8. Invited Lecturer and Section Chairman, American College of Physicians Postgraduate Course, "Steroid Withdrawal" and "Hirsutism", Anaheim, California, December, 1972.
9. Chairman, Symposium on Infertility, Pacific Coast Fertility Society, Scottsdale, Arizona, October, 1972.
10. Chairman and President, Plenary Session, Western Section, AFCR, Carmel, California, February, 1973.
11. Visiting Professor, Hospital Militar and University Affiliated Hospitals, Caracas, Venezuela, March, 1973.
12. Invited Lecturer, California Dietetic Association, Los Angeles, California, April, 1973.
13. Invited Lecturer, Hahnemann Symposium on Current Advances in Endocrinology, "Contraceptives: Current Status of Hormonal Agents", Philadelphia, Pennsylvania, April, 1973.
14. Chairman, Male Reproduction Section, Endocrine Society, Chicago, Illinois, June, 1973.
15. Invited Participant, NIH Fogarty Symposium on Obesity, Bethesda, Maryland, October, 1973.
16. Chairman, Male Infertility Symposium, Pacific Coast Fertility Society, Palm Springs, California, October, 1973.
17. Invited Lecturer, Endocrine Society Postgraduate Course, "Mechanism of Action and Complications of Contraceptive Drugs", Anaheim, California, October, 1973.
18. Invited Lecturer, AMA Convention, "Application of Radioimmune Hormone Assays in Fertility Problems", Anaheim, California, December, 1973.
19. Chairman, Metabolic Section, Western Section, AFCR, Carmel, California, February, 1974.
20. Invited Lecturer, City of Hope Medical Center, "Hypocalcemia", Duarte, California, February 1974.

21. Invited Lecturer and Section Chairman, Southern California Regional Meeting of The American College of Physicians, "Problem Solving Session: Endocrine Diagnosis", San Diego, California, February, 1974.
22. Invited Lecturer, Cross Town Endocrine Club, "Current Aspects of Hypothalamic Control of Endocrine and Metabolic Function", Los Angeles, March, 1974.
23. Invited Lecturer, University of London, Middlesex Hospital Medical School, "Mechanisms of Action and Complications of Systemic Contraceptives", and "Hormonal Mechanisms in the Onset of Puberty", London, England, March, 1974.
24. Visiting Professor, University of Guadalajara, in Guadalajara, Mexico, October, 1974.
25. Guest Lecturer, "Hypogonadism", "Puberty", Venezuelan Endocrine Society, October, 1974.
26. Invited Lecturer, Symposium on Neuroendocrine and Aging, Portland, Oregon, October, 1974.
27. Scientific Program Director, Southern California Regional American College of Physicians Meeting, Los Angeles, February, 1975.
28. Invited Lecturer, American Diabetes Association, Postgraduate Course, Anaheim, California, March, 1975.
29. Chairman, Endocrine Section, AFCE, Atlantic City, New Jersey, May, 1975.
30. Invited Lecturer, American Society of Clinical Pathologists, "Hormonal Evaluation of Reproductive Problems", Long Beach, California, July, 1975.
31. Invited Lecturer, "Hypoglycemia - "What It Is and What It Isn't", UCLA Continuing Education Course, Los Angeles, California, August 1975.
32. Invited Participant, Laurentian Hormone Conference, "Etiologies of Sexual Maturation", Odell and Swerdloff, Mount Tremblant, Canada, August, 1975.
33. Scientific Program Director and Participant, American College of Physicians Postgraduate Course in Endocrinology, October 2-4, 1975, Los Angeles, California, "Male Reproductive Physiology" and "Hypogonadism".
34. Invited Lecturer, Third Annual NICHD Workshop on the Testis, "Modulating Influences of FSH, GH and Prolactin on LH Stimulated Testosterone Secretion", Pittsburgh, Pennsylvania, February 25-27, 1976.
35. Invited Lecturer, The Brain and the Endocrine System, "Mechanisms of Puberty", Long Beach, California, June 18-19, 1976.
36. Invited Lecturer, 1976 Annual International Endocrine Society Meeting, "Gonadal Factors in Puberty", Hamburg, Germany, July 18-24, 1976.
37. Sigma Xi Distinguished Lectures, "Perils of the Pill: Complications of Oral Contraceptive Agents", Los Angeles, California, February 14, 1976.
38. Invited Lecturer, California State University, "Hormones and Maturation", March, 1977.
39. Invited Lecturer, California Medical Association, "Male Reproductive Function", March, 1977.

40. Course Chairman, Practical Endocrinology for the Primary Physician, Los Angeles, California, March 26-27, 1977.
41. Invited Lecturer, University of Southern California, Department of Anatomy, "Control of Secretion of LH and FSH", May, 1977.
42. Invited Lecturer, Practical Management of Diseases of Hair and Scalp, "Hirsutism", Los Angeles, California, May, 1977.
43. Invited Lecturer, University of California at San Francisco, Department of Physiology, "Neuroendocrine Control of Reproductive System", San Francisco, California, June, 1977.
44. Invited Lecturer, American Society of Clinical Pathologists, "Hirsutism", Chicago, Illinois, June, 1977.
45. Invited Lecturer, Los Angeles Dermatology Conference, "Diagnosis and Management of Hirsutism", Los Angeles, California, August, 1977.
46. Invited Lecturer, University of Colorado, "Mechanisms of Puberty", "Hypogonadism in the Male", Denver, Colorado, September, 1977.
47. Invited Lecturer, Postgraduate Course on Diabetes and Endocrine Diseases, Nurse Practitioners of Southern California, "Birth Control Pills: Physiological Effects and Complications", Anaheim, California, October, 1977.
48. Invited Lecturer, Pacific Coast Fertility Society, "Male Factors in Infertility", Palm Springs, California, October, 1977.
49. Invited Lecturer and Participant, NIH Workshop on Male Contraceptives, "Clinical Evaluation of Testosterone Enanthate for Induction of Reversible Azoospermia in the Human Male", Bethesda, Maryland, October, 1977.
50. Invited Lecturer, American College of Physicians Postgraduate Course, "Hypercalcemia: Diagnosis and Management", Los Angeles, California, December, 1977.
51. Guest Lecturer, Colorado Association for Continuing Medical Education, "Laboratory Assessment of Reproductive Problems", Denver, Colorado, February, 1978.
52. Invited Speaker, Fifth International Workshop on the Testis, NIH, "New Approaches to Male Contraception", Geilo, Norway, March-April, 1978.
53. Guest Lecturer, Symposia on Sexual Dysfunction, "Impotence: Medical Causes and Treatment", Palm Springs, California, June, 1978.
54. Guest Lecturer, American Urologic Association Postgraduate Course on Infertility, Los Angeles, California, June, 1978.
55. Invited Lecturer and Participant, V International Congress on Hormonal Steroids, Symposium on Steroids in Male Reproduction, "Use of Testosterone as a Potential Male Contraceptive Agent", and "The Endocrine Assessment of the Hirsute Patient", New Delhi, India, October, 1978.
56. Invited Lecturer, American Society of Andrology, 4th Annual Meeting, "The Role of Nutrition and Obesity on Testicular Function", Houston, Texas, March, 1979.

57. Co-Director and Participant, The Endocrine Society Eighth Training Course in Competitive Protein Binding Assays, Anaheim, California, March, 1979.
58. Invited Lecturer and Participant, Federation of American Societies for Experimental Biology, Symposium on The Endocrinology of Sexual Development, "Nutritional Influences on Sexual Maturation of the Rat", Dallas, Texas, April, 1979.
59. Invited Participant, NIH International Symposium on LH-RH Analogs in Fertility Regulation, Anaheim, California, June 12, 1979.
60. Guest Lecturer, Symposium on Sleep Research and Clinical Disorders, "Biologic Endocrine Rhythms: Their Application to Clinical Disorders", Marco Island, Florida, November, 1979.
61. Guest Lecturer, "Complications of Estrogen Therapies", City of Hope National Medical Center, Duarte, California, December, 1979.
62. Guest Lecturer, American Urologic Association Postgraduate Course on Infertility, "Infertility in the Male", December, 1979.
63. Invited Lecturer, Diabetes Update - 1980, "Recent Advances in Diabetes", Aspen, Colorado, January, 1980.
64. Invited Participant and Co-Chairman, Free Communication Session on the Ovary, Sixth International Congress of Endocrinology, Melbourne, Australia, February, 1980.
65. Invited Lecturer, American Society for Clinical Pharmacology and Therapeutics Annual Meeting, Symposium on Endocrine Drugs, "Systemic Male Contraceptive Agents", San Francisco, California, March, 1980.
66. Keith Harrison Memorial Lectureship, Australian Endocrine Society. "Influence of Nutrition on Reproductive Function", Armandale, New South Wales, Australia, August, 1980.
67. Invited Lecturer, University of Western Australia, "Reproductive Regulatory Control in the Male", Perth, Australia, July, 1980.
68. Invited Lecturer, Royal Melbourne Children's Hospital, "Recent Progress in Puberty Research", Melbourne, Australia, October, 1980.
69. Invited Lecturer, Prince Henry's Hospital Medical Research Center, "Down Regulation of the Testes by GnRH Superactive Analogs", Melbourne, Australia, October, 1980.
70. Invited Participant, National Institutes of Health, GnRH Workshop, "Effect of GnRH Analogs on Inhibition of Spermatogenesis", November, 1980, Bethesda, Maryland.
71. Invited Lecturer, Southwestern Gynecologic Assembly 15th Annual Meeting, "Human Infertility", December, 1980, Dallas, Texas.
72. Invited Lecturer, Medical Society of Australia, Canberra, Australia, December, 1980.
73. Invited Lecturer, Seminar on Human Reproductive Endocrinology, The University of Adelaide, Adelaide, South Australia, May, 1981.

74. Invited Lecturer, Departmental Seminar, Department of Reproductive Medicine, University of California, San Diego, September, 1981.
75. Invited Lecturer, Department of Medicine Grand Rounds, St. Mary's Medical Center, Long Beach, California, "Hypogonadism", October, 1981.
76. Invited Lecturer, Thirty-Third Annual Postgraduate Assembly of The Endocrine Society, San Diego, California, "Evaluation and Treatment of the Anovulatory Woman", November, 1981.
77. Invited Lecturer, Department of Reproductive Medicine, University of California, San Francisco, January, 1982.
78. Invited Lecturer, Western Association of Physicians Annual Meeting, Carmel, California, "GnRH Superactive Analogs - Current Perspectives", February, 1982.
79. Invited Lecturer, American Urological Association Seminar on Male Infertility, Los Angeles, California, "Hormonal Regulation of Spermatogenesis" and "Medical Management of the Infertile Male", March, 1982.
80. Visiting Professor, Madigan Army Medical Center, Tacoma, Washington, "GnRH Analogs - New Pharmacologic Uses", March, 1982.
81. Invited Lecturer and Clinical Consultant, University of Washington, Seattle, Washington, "Nutritional Influences on Reproductive Function", March, 1982.
82. Guest Lecturer, Recent Advances in Male Reproduction: Molecular Bases and Clinical Implications. "Effects of Combined GnRH Superactive Agonists and Gonadal Steroids on Testicular Function in Man and Experimental Animals", University of Catania, Italy, June, 1982.
83. Invited Lecturer, International Congress on Hormonal Steroids, "Leydig Cell Function", Jerusalem, Israel, September, 1982.
84. Invited Lecturer, 34th Annual Postgraduate Assembly of The Endocrine Society, "Clinical Disorders of Testicular Function", Dearborn, Michigan, October, 1982.
85. Visiting Professor, Walter Reed Army Medical Center, Washington, D.C., November, 1982.
86. Invited Participant, NIH Clinical Staff Conference on Therapeutic Applications of Luteinizing Hormone Releasing Hormone (LHRH) and LHRH Analogs, "A New Approach to Male Contraception Using Combined Androgen and GnRH Analog Treatment", Bethesda, Maryland, February, 1983.
87. Invited Lecturer, Midwest Regional Program, American Association of Clinical Chemistry, "Male Reproductive Dysfunction and Evaluation of the Woman with Amenorrhea", Omaha, Nebraska, May, 1983.
88. Invited Lecturer, International Workshop "Fertility and Antifertility - LH-RH and its Analogues", Lecture: "Male Contraception with LH-RH Agonists", Berlin, October, 1983.
89. Invited Participant, Testis Workshop, NICHD, "Recent Studies on Testicular Peptides", Session Chairman, Bethesda, Maryland, October, 1983.
90. Invited Lecturer, American Urologic Society, "Medical Therapy for the Infertile Male", Anaheim, California, October, 1983.

91. Invited Lecturer, World Health Organization, Indian Council on Medical Research, Symposium on Methods for the Regulation of Male Fertility, "GnRH Agonists and Suppression of Spermatogenesis in Man", Bombay, India, February, 1984.
92. Invited Participant, American Society of Andrology, Symposium on GnRH and Super Agonists, Los Angeles, California, March, 1984.
93. Invited Lecturer, VIIIth International Congress of Endocrinology, Quebec, Canada. Symposium on LHRH and its Analogues. "Effects on Continuous GnRH Agonist Infusion on Gonadal Function in the Human Male". June 28-July 7, 1984.
94. Invited Participant, International Symposium on Gonadotropin Releasing Hormone in Control of Fertility and Malignancy. "Use of GnRH Analogues as Experimental Male Contraceptives". University of Hyderabad, Hyderabad, India, August 17-20, 1984.
95. Invited Lecturer, The First International Symposium on Reproductive Medicine, "Testicular Dysfunction". Organized by Serono Symposia, Rome, Italy. Held in: San Juan, Puerto Rico, October 4-6, 1984.
96. Invited Lecturer, University of Hong Kong, "Use and Abuse of Androgens"; Hong Kong, December 9, 1984.
97. Invited Lecturer, World Health Organization/Peoples Republic of China Symposia on Methods for the Regulation of Male Fertility: "LHRH Agonists". Nanjing, Peoples Republic of China, December 14-16, 1984.
98. Visiting Professor, University Medical Center and Hospital Militar "Dr. Carlos Arvelo", Caracas, Venezuela, March, 1985.
99. Invited Lecturer, Sociedad Venezolana de Endocrinologia y Metabolismo "Precocious Puberty"; "Evaluation of Amenorrheic Woman"; "Mechanisms of Action and Therapeutic Uses of GnRH Analogs"; "Evaluation and Treatment of Hypogonadism"; "Assessment and Treatment of the Hirsute Woman". Puerto La Cruz, Venezuela, March, 1985.
100. Invited Lecturer, Society of Research Administrators, "Organization of Research Support in a University Medical Center", Long Beach, California, 1985.
101. Invited Lecturer and Participant, Acta Endocrinologia Congress Satellite Symposium, "Novel Aspects of Testes Function: GnRH Agonists". Helsinki, Finland, August, 1985.
102. Ortho Lectureship, "Future of Male Contraception", American Fertility Society, Chicago, Illinois, September 1985.
103. Invited Lecturer, American Fertility Society - Eighteenth Annual Postgraduate Course: Male Physiology and Infertility, Chicago, Illinois, September, 1985.
104. Invited Lecturer, NICHD, NIH, GnRH Conference: Continuous Infusion of GnRH-agonist for Male Contraception. Bethesda, Maryland, 1985.
105. Visiting Professor and Lecturer, University of the East, University of Santo Tomas, University of the Philippines (Philippine General Hospital), Cebu Doctors Hospital and Medical School. Philippines Obstetrical and Gynecologic Society (Manila and Cebu) and the Philippine Endocrine Society; "Hirsutism"; "Use and Abuse of Androgen Therapy"; "New Approaches for GnRH and its

- Analogues"; "Precocious Puberty and Delayed Sexual Maturation"; "Male Hypogonadism"; and "Evaluation and Treatment of the Anovulatory Woman", April 1986.
106. Serono Lectureship, American Society of Andrology "Toward Development of a Male Contraceptive". Grand Rapids, Michigan, April 1986.
 107. Guest Lecturer, Medical Grand Rounds, University of Utah School of Medicine "Toward Development of a Male Contraception". Division of Endocrinology, University of Utah "Mechanism of Action of GnRH Analogues". May 1986.
 108. Site Visit U.S.F.P.A. Contraceptive Development Centers, Peoples Republic of China. Sechuan, Nanjing. June, 1986.
 109. Guest Lecturer, Genetech, "Relaxin and the Male Reproductive System." San Francisco, California. August 25, 1986.
 110. Invited Lecturer, American Fertility Society. "Endocrinology of Male Infertility." October 2, 1986.
 111. Invited Lecturer, Endocrine Society Postgraduate Assembly. "Male Infertility Evaluation and Therapy", "GnRH and Treatment of Prostate Cancer." November 8, 1986.
 112. Invited Participant, Lecturer and Discussion Leader: NIH Workshop on GnRH. "GnRH Analogues in Male Contraception". Bethesda, Maryland, November 11, 1986.
 113. Invited Participant, International Symposium, Post meiotic regulation of sperm function Mexico City, March 11-14, 1987.
 114. Invited Participant, International Conference on Reproduction and Cancer, Bethesda, Maryland, May 11- 13, 1987.
 115. Invited Lecturer, University of Michigan Postgraduate Course in Endocrinology and Male Sexual Dysfunction, Ann Arbor Michigan, August 8-10, 1987.
 116. Invited Participant and Guest Lecturer, "Use of GnRH Analogs in the Male", International Symposium on GnRH and Its Analogues, Geneva, Switzerland, February 16-18, 1988.
 117. Invited Participant and Lecturer, "Nal-Glu GnRH Antagonist in the Human Male". NIH Workshop on GnRH and Its Analogues, Bethesda, Maryland, April 11-13, 1988.
 118. Visiting Professor and Wu Chung Lecturer, "Use of GnRH Analogues in Clinical Medicine"; "Intragonadal Control of Spermatogenesis"; "Male Sexual Dysfunction"; and "A Patient with Hepatosplenomegaly". University of Hong Kong, July, 1988.
 119. Invited Lecturer and Participant, "Impotency and Sexual Dysfunction", "Use of GnRH Analogues", and "Endocrine Evaluation of Male Reproduction and Sexual Dysfunction". IV National Congress & II International Symposium on Recent Advances in Research in Male Fertility Regulation and Infertility Management. Semarang, Indonesia, October 16-20, 1988.
 120. Keynote Speaker, "Male Contraception - A View to the Future." Kansas University Medical Center Student Research Forum, Kansas City, Kansas, March 8, 1989.
 121. Invited Lecturer, "Male Contraception - Medical Approaches" and "Future Directions for Research in Male Contraception". Continuing Education Course, Eastern Virginia Medical School, "Contraception: Current Choices and Future Directions", Washington D.C., April 6-8, 1989.

122. Invited Participant and Session Chairman, Annual Meeting of American Society of Andrology, "The Conceptual Basis of Prospective Male Contraceptives", New Orleans, LA, April 13-16, 1989.
123. Invited Participant and Speaker, "Delayed Puberty". International Congress of Andrology, Florence, Italy, May 17, 1989.
124. Invited Participant and Lecturer, "Regulation of the Male Reproductive System" and "Assessment of the Infertile Male". First Postgraduate Course on Clinical Reproductive Endocrinology and Infertility, Singapore, June 1989.
125. Visiting Professor and Clinical Consultant, "Regulation of Fertility in the Male and Approaches to Contraception". The University of Michigan Medical Center, Ann Arbor, MI, June 1989.
126. Co-Chairman of Conference and Lecturer, "Role of Exogenous Androgens in Male Contraception. Overview of Total Clinical Experience". NIH Workshop Conference on Androgen Therapy: Biologic and Clinical Consequences, Marco Island, FL, January 17-20, 1990.
127. Invited Lecturer, Visiting Professor Series, St. Mary's Medical Center, Long Beach, CA. "Male Infertility: A Common Problem", February 21, 1990.
128. Invited Lecturer and Visiting Professor, "Experimental Approaches to Male Contraception". Reproductive Biology Program, University of Texas at Houston, Houston, Texas, April 3-4, 1990.
129. Invited Lecturer, Endocrine Research Conference, University of Southern California School of Medicine. "GnRH Analogs and Male Contraception", Los Angeles, CA, April 16, 1990.
130. State-of-the-Art Lecture, 78th Annual Congress of the Japanese Urological Association, "Physiology of Male Reproduction - Current Status and Future Direction", Sapporo, Japan, June 16, 1990.
131. Chairman, Postgraduate Course, "Abnormalities of Lipid Metabolism," Los Angeles, CA, July 21, 1990.
132. Plenary Lecturer, "Contraception - New Approaches in the Male," National Academy of Medicine (Mexico), Mexico City, July 28, 1990.
133. Serono Inaugural Lecturer - 1990, "Androgens in the Male: New Uses, Old Abuses," Combined Meeting of Endocrine Society of Australia, Australian Society of Reproductive Biology and Fertility Society of Australia, Perth, Australia, September 16, 1990.
134. Invited Lecturer, "Adventures in Male Reproductive Physiology: Applications to Clinical Problems," Southern California Organization of Pediatric Endocrinologists, Long Beach, CA, October 6, 1990.
135. Invited Lecturer, "Evaluation and Treatment of Male Infertility," 42nd Postgraduate Assembly, The Endocrine Society, Honolulu, HI, October 28-November 1, 1990.
136. Invited Lecturer, "Combined GnRH Antagonist and Testosterone Enanthate for Experimental Male Contraception," 2nd International Symposium on GnRH Analogues in Cancer and Human Reproduction, Geneva, Switzerland, November 7-10, 1990.
137. Invited Lecturer, "Metabolic Effects of Androgen Deficiency and Aging in Men", NIH Conference on Aging and Male Reproductive Dysfunction, Bethesda, MD, November 25, 1990.
138. Invited Lecturer, Visiting Professor Series, St. Mary's Medical Center, Long Beach, CA. "Male Reproductive Disorders," January 16, 1991.

139. Invited Lecturer, "Clinical Evaluation of the Infertile Male", State-of-the-Art Urology Conference, UCLA Extension, Marina del Rey, CA, February 8-10, 1991.
140. Invited Lecturer, "Current Status of Male Contraceptive Development", Johnson and Johnson Conference on Contraceptive Development. Princeton, NJ, January 28, 1991.
141. Visiting Professor, University of Minnesota, Departments of Cell Biology and Neuroanatomy, Obstetrics and Gynecology, Medicine (Endocrinology) and Surgery (Urology), Grand Rounds Lectures, "Diversity of Actions of Androgens: A Mechanistic View" and "Recent Advances in Male Reproductive Physiology, Application to the Patient", March 1-2, 1991.
142. Invited Lecturer, Cedars-Sinai Medical Center, Los Angeles, CA. Endocrine Grand Rounds, "Reproductive Physiology in the Male: Application to Clinical Andrology," April 2, 1991.
143. University of Southern California, Los Angeles, CA. Endocrine Grand Rounds, "Androgens Revisited: Metabolic and Other Implications of Treatment." September 10, 1991.
144. Special Consultant, United Nations Special Program of Research, Development and Research Training in Human Reproduction. Population Research Institutes, Beijing, China and Tianjin, China, September 1991.
145. Invited Lecturer, "Androgens Revisited, Metabolic and Other Implications of Treatment." LAC-USC Medical Center, Endocrine Grand Rounds, September 10, 1991.
146. Invited Lecturer, "Male contraception: Achievement of reversible azoospermia by combined gonadotropin releasing hormone antagonist and testosterone enanthate regimen. Tianjin International Symposium on LHRH Analogues, Tianjin, PRC, September 24-26, 1991.
147. Invited Lecturer, "Impact of Testosterone Therapy on Cognitive Sexual Behavior and Metabolic Dysfunction." Workshop on Psychoneuroendocrinology of Aging: The Brain as Target Organ of Hormones", University of Parma, Italy, October 8-9, 1991.
148. Invited Lecturer, "Reproduction in the Aging Male." 47th Annual Meeting, The American Fertility Society, Orlando, FL, October 19-24, 1991.
149. Meet the Professor Round Table, "Androgens and the Aging Male." Pacific Coast Fertility Society Annual Meeting, Indian Wells, CA, April 8-12, 1992.
150. National Institute of Aging, Festschrift for Reubin Andres, "Male Contraception in 1992: A View to the 21st Century." Baltimore, MD, May 5, 1992.
151. Keynote Address, "Medicine: On a Fast Track to Somewhere." St. Mary Medical Center Retreat, Lake Arrowhead, CA, September 25-27, 1992.
152. Invited Lecturer, "Androgens and Aging in Men: Considerations for Treatment to Decrease Frailty and Increase Quality of Life" and "Comparison of Pharmacokinetics and Pharmacodynamics of Testosterone Microcapsule Formulation on Los Angeles Caucasian and Hong Kong Chinese Hypogonadal Men." First Asian Oceanic Congress of Andrology. Nanjing, P.R. China, November 9-12, 1992.
153. Invited Lecturer, Visiting Professor Series, St. Mary's Medical Center, Long Beach, CA, January 20, 1993.

154. Invited Lecturer, Cedars-Sinai Medical Center, Los Angeles, CA. Endocrine Grand Rounds, "Androgen and Aging", February 16, 1993.
155. Invited Lecturer, City of Hope, Duarte, CA, Endocrine Grand Rounds "Testosterone and Aging", April 6, 1993.
156. NIH Special Consultant and Invited Participant, Contraceptive Development Branch, NICHD Ad Hoc Advisory Meeting on Long Term Planning, Rockville, Maryland, May 12-13, 1993.
157. Invited Participant and Session Chairman, Annual Meeting of Endocrine Society, "Role of Intratesticular Proteins and Peptides", Las Vegas, June 10-12, 1993.
158. Invited Participant/Consultant, CONRAD Technical Advisory Committee, "Male Systemic Methods for the Regulation of Fertility", Alexandria, Virginia, June 13-16, 1993.
159. Invited Lecturer, Boots Pharmaceutical, "Thyroid Dysfunction", Long Beach, June 15, 1993.
160. Invited Lecturer and Session Chairman, 4th Annual Meeting of the North American Menopause Society, "Impact of Male Menopause" and "Male Hormones and Aging", San Diego, CA, September 2-4, 1993.
161. Keynote Speaker, Argentina Society of Andrology, "Androgen Deficiency with Aging Male: Perspective on Treatment for the Male Menopause" and "Male Reproductive Physiology: Update with Implications for the Management of Reproductive Disorders", Buenos Aires, Argentina, Sept. 27 to Oct. 6, 1993.
162. Board Examiner for Andrology, Fakultas Kedokteran Universitas Airlangga, Surabaya, Indonesia, Nov. 11, 1993.
163. Invited Lecturer, Indonesia Society of Andrology, "Androgen and Aging in Men", Surabaya, Indonesia, Nov. 11-14, 1993.
164. Invited Lecturer, The VI National Annual Meetings of Pandi (Indonesian Society of Andrology), "Male Contraception: 1993 and Beyond" and "Effect of Aging on Male Reproductive System: Indications and Implications of Treatment with Androgens", Denpasar, Bali, Nov. 16-17, 1993.
165. Invited Lecturer, The IVth Asian Pacific Biannual Meeting on Impotence, "Endocrine and Laboratory Profile of Impotence in the Male", Denpasar, Bali, Nov. 18-20, 1993.
166. Program Chairman and Mayo Soley Award Presenter for William D. Odell, M.D., Chairman, Department of Medicine, University of Utah School of Medicine, Western Association of Physicians, Carmel, CA., Feb. 10, 1994.
167. Moderator for Clinical Debate, ASA 19th Annual Meeting, "Does Male Reproductive Function Change With Age?", Springfield, IL., Mar. 5, 1994
168. Visiting Professor, St. Mary Medical Center, "Male Contraception: From Fantasy Toward Reality", Long Beach, CA., Apr. 13, 1994.
169. Visiting Professor, University of Hawaii at Manoa, "Male Contraception from Fantasy Toward Reality" and "Andropause (Androgen Deficiency in the Aging Male) Implications for Therapy", Honolulu, Hawaii, April 25-May 1, 1994.

170. Visiting Professor, University of Wisconsin at Madison, "Aging and Androgens", "Male Reproductive Physiology - Application to Clinical Problems", "Regulation of Male Gonadal Function and its Relevance to Male Contraception", Madison, Wisconsin, May 18-20, 1994.
171. Visiting Professor, Temple University, "Andropause (Androgen Deficiency in the Aging Male) Implications for Therapy", Washington, D.C., June 7-9, 1994.
172. Chairman, Oral Session, Endocrine Society, "Hormonal Control of Spermatogenesis", Anaheim, California, June 15-18, 1994.
173. Chairman, Oral Session, Endocrine Society, "Endocrine Update on Male and Female Reproduction", Anaheim, California, June 15-18, 1994.
174. Invited Lecturer, Endocrinology Society "Contraception", Anaheim, California, June 15-18, 1994.
175. Invited Lecturer, Ashland Endocrine Conference, "Treating Male Hypogonadism: Optimizing Testosterone Delivery Systems", Oregon Health Sciences University, Portland, Oregon, August 3-6, 1994.
176. Invited Lecturer, Johns Hopkins University, School of Medicine, "Male Contraception: From Fantasy To Reality", Endocrine Grand Rounds, Baltimore, MD., Sept. 7, 1994.
177. Invited Lecturer, University of Maryland, Greater Baltimore Medical Center, "Genetic Defects in Sexual Differentiation and Hypogonadism", Baltimore, MD., Sept. 7, 1994
178. Invited Lecturer, Franklin Square Hospital Center, "Androgens and Aging", Medical Grand Rounds, Baltimore, MD., Sept. 8, 1994
179. Invited Lecturer, IIIrd International Symposium "New Perspectives of Andrology in Human Reproduction"; "The Effect of HIV Infection on Reproductive Function", Manado, Indonesia, September 19-24, 1994.
180. Invited Lecturer, KS Conference, "Clinical Manipulations and Treatment of Klinefelter's Syndrome", Anaheim, CA., Oct., 2, 1994.
181. Invited Lecturer, NIH Harbor-UCLA Clinical Study Center 25th Year Anniversary Program "Male Contraception: From Dream To Reality", Harbor-UCLA Medical Center, Torrance, CA, October 21, 1994.
182. Invited Lecturer, Medicine Grand Rounds, "Male Contraception: From Fantasy to Reality", Harbor-UCLA Medical Center, Torrance, CA., Dec., 6, 1994.
183. Invited Lecturer, St. Mary Medical Center, Visiting Professor Rounds, "Androgen Deficiency in the Aging Male-Risk and Reward of Androgen Treatment", Long Beach, CA., Dec. 21, 1994.
184. Invited Lecturer, "Androgens and Aging", Harbor/UCLA Medical Center, Torrance, CA. Obstetrics and Gynecology Grand Rounds. January 23, 1995.
185. Invited Lecturer, Pituitary Tumor Conference "Management of Infertility and Reproductive Dysfunction in Men with Pituitary Adenomas", Santa Monica, California, January 26-27, 1995.

186. Program Chairman, Advisory Committee Chairman, speaker, 2nd International Androgen Workshop. "Overview, Progress in Androgen Physiology and Pharmacology", "Overview, Male Contraception", "GnRH Analogues and Male Contraception", Long Beach, California, February 18-20, 1995
187. Invited Lecturer and Session Chairman, "Male Reproductive Dysfunction", American Andrology Society, Raleigh, North Carolina, March 31-April 4, 1995.
188. Invited Lecturer, Alton Ochsner Medical Foundation's and the American College of Physicians', Fifth Annual Jazz Festival Endocrinology Update, "Male Contraception: From Fantasy Towards Reality" and "Androgens and Aging", New Orleans, Louisiana, April 27-29, 1995.
189. Invited Lecturer and Consultant, "Hormonal Replacement for Aging Men", Lilly Corporation, May
190. Invited Lecturer & External Examiner for Ph.D. Program in Andrology, "Pathogenesis of Hypogonadal States and Associated Clinical Manifestations", Fakultas Kedokteran Universitas Airlangga, Surabaya, Indonesia, June 28-July 3, 1995.
191. Invited Lecturer, "Male Infertility - Causes, Diagnosis and Therapy", The University of Utah, "Update in Internal Medicine", Park City, Utah, July 11-13, 1995.
192. Visiting Lecturer, "Management of Hypercalcemia", St. Mary's Medical Center, Long Beach, CA., August 24, 1995.
193. Invited Participant, Advisory Board meeting on Androgens, Schering-Plough Corporation, Dana
194. Invited Lecturer, Third International Olympic Committee World Congress on Sports Sciences, "Androgen Physiology and Therapeutic Uses: Implications for Sports Medicine", Atlanta, Georgia, September 18, 1995.
195. Invited Participant, Workshop on Klinefelter's Syndrome, Johns Hopkins University, Departments of Medicine and Pediatrics, October 6, 1995.
196. Invited Lecturer, "Medical Management of Adults with Klinefelter's", National Conference on
197. Invited Participant, Workshop on Clinical Guidelines for Hormone Replacement Therapy (Post-Menopausal Women), Short Hills, New Jersey, November 6, 1995.
198. Invited Lecturer, "Androgen Deficiency in Aging: Implications for Management", Dermatology Grand Rounds, Center for Health Sciences, UCLA, November 28, 1995.
199. Invited Lecturer and Visiting Professor, "Male Contraception: From Fantasy Toward Reality", University of Texas, Southwestern Medical Center, Dallas Texas, December 5, 1995.
200. Invited Lecturer, "Sex Chromosome Aneuploidy: Klinefelter's Syndrome", Medicine Grand
201. Invited Lecturer, "Androgen Physiology and Action: Implications for Hypogonadism", Satellite Conference - Testosterone Deficiency Guide to Diagnosis and Treatment, American College of Physicians, San Francisco, CA April 24, 1996.
202. Invited Lecturer, "Male Contraception", Cedars Sinai Medical Center, Los Angeles, CA, May 2, 1996.
203. Invited Lecturer, "Androgen Treatment of Hypogonadism", Medicine Grand Rounds, Long Beach Memorial Hospital, UCI School Of Medicine, May 9, 1996.

204. Chair, Symposium on Male Contraception, International Congress of Endocrinology, San Francisco, June 1996.
205. Invited Lecturer, Klinefelter's Syndrome; Satellite Symposium on Testosterone Replacement Therapy in Males: Controversies in Diagnosis and Treatment, International Congress of Endocrinology, San Francisco, June, 1996.
206. Invited Lecturer, "Hypothalamic Pituitary Axis and Male Hypogonadism"; " Androgens in Aging Men." Nordic Baltic Course in Male Reproduction. National University of Vilnius, Lithuania. June 25-28, 1996.
207. Invited Lecturer, "The Genetic Basis for Neurocognitive Dysfunction in Klinefelter's Syndrome"; Turku University, Finland. July 1, 1996.
208. Invited Lecturer, National Klinefelter's Association and Scientific Advisory Committee Chairman, University of Washington, Seattle Washington, July 26-29, 1996
209. Invited Lecturer, "Androgen Physiology and Action: Implications for Patients with Low Testosterone Levels", Symposium on Testosterone Deficiency, Guide to Diagnosis and Treatment. Satellite Symposia, American Society of Family Medicine. October 3, 1996
210. Invited Lecturer, "Klinefelter's Syndrome", Endocrinology Grand Rounds, Cedars Sinai Medical Center, Beverly Hills, CA. October 8, 1996.
211. Invited Lecturer, "Sex Chromosome Aneuploidy" Endocrinology Conference, Drew School of Post Graduate Medicine, Los Angeles, CA. October 23, 1996
212. Invited Lecturer, Panelist, and Consultant, "Reproductive Dysfunction in the Aging Man," Wyeth-Ayerst Corporation, Philadelphia, PA. October 29-30, 1996.
213. Invited Lecturer, "Androgens and Aging", Sherman Oaks Hospital and Health Center, Sherman Oaks, CA. December 5, 1996.
214. Invited Lecturer, "Klinefelter's Syndrome - A Disorder With Many Faces", St Mary's Medical Center, Long Beach, CA. December 18, 1996.
215. Invited Lecturer, "Androgens and Aging", Los Angeles Gerontology Research Group, Los Angeles, CA., February 10, 1997.
216. Invited Lecturer "Hormonal Regulation of Germ Cell Apoptosis", Testis Workshop, Baltimore, MD, February 21, 1997.
217. Invited Lecturer "Hormonal Regulation of Apoptosis in the Spermatogenic Tubules" UCLA Combined Endocrinology Conference, Los Angeles, CA., April 2, 1997.
218. Invited Lecturer "Low Testosterone in Males: Evaluating and Treating the Androgen Deficient Patient with Heart Disease", American Association of Clinical Endocrinologists Annual Meeting, Philadelphia, PA, April 16, 1997.
219. Invited Lecturer "DHEA: The Fountain of Youth" City of Hope, Duarte, CA, May 7, 1997.
220. Chair, Symposia on Erectile Dysfunction. Chair, Symposia on Male Contraception Endocrine Society Conference, Minneapolis, Minnesota, June, 19, 1997.

221. Invited Lecturer "Maintenance of Azoospermia with Testosterone After Induction with GnRH Antagonist". Summit Meeting on Male Contraception, Weimer, Germany. June 30, 1997.
222. Invited Lecturer "Mechanism of Androgen Action and Androgen Metabolism". International Conference on Aging. Weimer, Germany. July 1, 1997
223. Invited Lecturer "Regulation of the Hypothalamic-pituitary Axis and Male Hypogonadism", "Androgens in Aging Men", "Prostatic Diseases and Androgens", "Male Sexual Dysfunction" WHO Conference on Andrology, Irkutsk, Russia. July 3, 1997.
224. Invited Lecturer "Klinefelter's Syndrome", Northwestern University, Chicago, Ill. July 24, 1997
225. Invited Lecturer "Manifestations of Klinefelter's Syndrome" , "Research in Klinefelter's Syndrome". National Klinefelter's Association Annual Meeting. Chicago, Ill. July 25-27, 1997
226. Invited Lecturer "Hormonal Regulation of Germ Cells: Apoptosis", "Hormone in the Aging Man: To Treat or Not to Treat?". Panitia Kongres Nasional. Bandung, Indonesia. August 7-9, 1997.
227. Invited Lecturer: "Critical Review of Manuscripts" Clinical Studies Center, Harbor-UCLA Medical Center, Torrance, CA September 4, 1997.
228. Invited Lecturer: "X and Ys: Too few, Too Many." Chair session on Genes, Cognition and Behavior. Advances in Social Brain, The Cure Autism Now Foundation and The John Douglas French Alzheimer's Foundation, Portofino Hotel, October 25-26, 1997.
229. Invited Lecturer: "DHEA: Fountain of Youth?" West Los Angeles Veterans Association, West Los Angeles, CA, February, 1998.
230. Invited Lecturer: Androgens and Cognitive Function, John Douglas Alzheimer's Foundation, Los Angeles, CA February, 1998
231. Invited Lecturer: "DHEA: Fountain of Youth? American College of Physicians Annual Scientific Meeting, Indian Wells, CA, February, 1998
232. Invited Lecturer: Male Menopause (Androderm), Intercommunity Hospital Medicine Grand Rounds, West Covina, CA. March, 1998
233. Invited Lecturer: "DHEA: Fountain of Youth?" Cedars Sinai Medical Center Medicine Grand Rounds, Los Angeles, CA. March, 1998
234. Invited Lecturer: "Evaluation and management of Male Hypogonadism." UC Irvine Medical Center Medicine Grand Rounds. Irvine, CA. April, 1998
235. Invited Lecturer, chair mini-symposium: "DHEA: The Fountain of Youth?" Society for the Study of Reproduction, College Park Texas. August, 1998
236. Invited Lecturer: "DHEA: The Fountain of Youth?" USC Endocrine Grand Rounds, Los Angeles, CA. September, 1998
237. Invited Participant: Serono Symposium. "Progress in Reproductive Endocrinology and Infertility." London England. September, 1998

238. Invited Plenary Lecturer: "New Perspectives, Applications and Strategies for Androgen Therapy." Canadian Society of Endocrinology and Metabolism, Royal College of Physicians and Surgeons. Toronto, Canada, September, 1998.
239. Invited Speaker: "Does Germ Cell Apoptosis Play a Role in Clinical Andrology?" American Society of Andrology Postgraduate Course, Louisville, Kentucky, April, 1999
240. Invited Speaker: "Hormonal Aspects of Sexuality." Italian Endocrine Society Annual Meeting. Turin, Italy. May, 1999
241. Invited Speaker: Clinical Use of Testosterone Assays. Endo '99 Endocrine Society Meeting, San Diego, CA. June, 1999
242. Invited Discussion Leader: "Androgen Therapy and the Cardiovascular System: What Risks and How to Monitor". 3rd Summit Meeting on Hormonal Male Contraception, Tours, France. June, 1999
243. Invited Speaker: "DHEA: Rage for the Age" Endocrine Society Update Meeting, Los Angeles, CA October, 1999.
244. Invited Speaker: "Effects of Aging and Hypogonadism on Male Health" and "Male Osteoporosis: Pathophysiology, Evaluation and Therapy Glaxo Wellcome, Raleigh, North Carolina, October, 1999.
245. Invited Speaker: "DHEA: Rage for the Age". Endocrine Grand Round, VA Wadsworth, West Los Angeles, CA October, 1999
246. Invited Speaker: "Frailty, Disability, Immobility and Dependence; Researchable Aspects" Second International Workshop on the Aging Male. Jenapharm, Weimar, Germany. November, 1999
247. Invited Speaker: "Klinefelter Syndrome: A Little X-tra Doesn't Always Help. Medicine Grand Rounds. University of Utah School of Medicine. Salt Lake City, Utah. November 1999.
248. Invited Speaker: "Klinefelter Syndrome: A Model for Cognitive Dysfunction?" UCARE Workshop, John Douglas French Alzheimer's Foundation, Los Angeles, CA December, 1999
249. Invited Speaker: "Male Contraception" Kaiser Permanente, Harbor City, CA. December, 1999
250. Invited Speaker: "Klinefelter Syndrome" St Mary Medical Center Visiting Professor Conference, Long Beach, CA., December, 1999
251. Invited Speaker: "Klinefelter Syndrome" Cedars-Sinai Endocrine Grand Rounds. Los Angeles, CA. December 1999
252. Invited Chair: Endocrine Society AndroPause Consensus 2000: Advances in Testosterone Therapy Task Force. Beverly Hills, CA. April 2000
253. Invited Speaker: "Regulation of Germ Cell Apoptosis: Implications for Male Contraception and Infertility". California State University at Dominguez Hills Sigma XI Awards and Induction Reception. May 2000
254. Invited Speaker: "Androgens and Aging" Academy of Medicine, Los Angeles, CA May 2000
255. Invited Speaker: "AndroGel" Unimed Conference, Dallas, Texas, June 2000

256. Invited Speaker: "Androgens and Aging Man". National Institutes of Health, Bethesda, MD, June 2000.
257. Invited Speaker: "Testosterone Replacement in Men: Emerging Clinical Issues" Endocrine Society Meetings, Toronto, Canada, June 2000
258. Invited Speaker: "Testosterone Gel Improves Sexual Function, Mood, Muscle Strength, and Body Composition" Endocrine Society Meetings, Toronto, Canada, June 2000
259. Invited Speaker: "The Role of Apoptosis in Hormonal Male Contraception" IVth Summit Meeting on Hormonal Male Contraception, Bologna, Italy, June 2000
260. Invited Speaker: "Ontogeny of the germ cell and Leydig cell defects: somatic or germ cell problems?" National Institutes of Health Klinefelter's Syndrome Conference, Bethesda, MD. August 2000
261. Invited Speaker: "Androgen Replacement", Urology Grand Rounds, Harbor-UCLA Medical Center, Torrance, CA. August 2000
262. Invited Speaker: "Androgens and the Older Man", Medicine Grand Rounds, Harbor-UCLA Medical Center, Torrance, CA, Sept. 2000
263. Invited Speaker: Pediatric Grand Rounds "Klinefelter's Syndrome. Harbor UCLA Medical Center. October 2000.
264. Invited Speaker: "The Elderly and Hormone Replacement", Berlin, Germany. October 2000
265. Invited Speaker: "Ontogeny of the Germ Cell and Leydig Cell Defects - Somatic or Germ Cell Problems", Klinefelter Syndrome Conference, Sacramento, CA. October 2000
266. Invited Moderator: "Therapy and Management of XXY Klinefelter Syndrome", Klinefelter Syndrome Conference, Sacramento, CA October 2000
267. Invited Speaker: "Klinefelter's Syndrome: What Happens to Kids as They Become Adults", Pediatric Grand Rounds Harbor-UCLA Medical Center, Torrance, CA. October 2000
268. Invited Speaker: "Androgen Replacement Therapy: Benefits and Possible Risks" Menopause and Male Menopause: The Best Is Yet to Come Conference, San Rafael, CA. October 2000
269. Invited Speaker: "Klinefelter's Syndrome", San Francisco, CA December 2000
270. Invited Speaker "Klinefelter Syndrome: A Little X-tra X doesn't Always Help." Baylor Medical Center, Houston Texas. December 2000.
271. Invited Speaker: "Maintenance of azoospermia by testosterone after inductions by GnRH antagonists in normal men"; "Effect of GnRH agonists on induction of azoospermia in normal men"; and "Mechanisms by which GnRH antagonists suppress sperm counts: role of germ cell apoptosis". GnRH Workshop, NIH, Bethesda. January 2001
272. Invited Speaker: "Pharmacodynamic effects of testosterone". Conference on Womens Health, Palm Beach, Florida. February 2001
273. Speaker/facilitator: "Male Hormone Replacement: A discussion of Intervention Strategies". EDU-Medical Workshop. Scottsdale, Arizona, March 2001

274. Speaker/facilitator: "Male Hormone Replacement: A discussion of Intervention Strategies". EDU-Medical Workshop. San Diego, CA March 2001
275. Visiting Professor: "KS: From Mice to Men". St. Mary's Medical Center. April 2001
276. Invited Speaker: "Testosterone Replacement Therapy in Men: Emerging Clinical Issues". American Association of Clinical Endocrinology. San Antonio, Texas, May 2001
277. Invited Speaker: "Androgen Therapy in Men and Women". Western Hormone Alliance Meeting. Emerald Lake, Canada. May 2001
278. Invited Consultant: "Hormonal Needs in Men". Johnson & Johnson. New Brunswick, New Jersey. May 2001.
279. Invited Consultant: Dutasteride Investigators Meeting. Seattle, WA. May 2001
280. Invited Speaker: "Clinical Picture of ADAM, Muscles and Mentation". Society for Study of Male Reproduction. Anaheim, CA. June 2001
281. Invited Consultant: CONRAD TAC, Washington, DC, June 2001
282. Invited Speaker/facilitator: "Male Hormone Replacement: A discussion of intervention strategies". Fullerton, CA June 2001
283. Invited Speaker: "Ethnic Differences in Male Reproductive Function." International Congress of Andrology. Montreal, Canada June 2001
284. Invited Speaker: "Controversies in Andrology"; "Androgen Therapy: New Indications and New Formulations"; "Hypogonadism: Diagnosis, Consequences, and New Treatment Strategies"; "Breakthroughs in Male Contraception" Endocrine Society Denver, CO. June 2001
285. Invited Consultant: "Ethnic Differences in Male Reproductive Function" International Pituitary Conference. Phoenix, AZ, June 2001
286. Invited Speaker: 5th Summit Meeting on Male Hormonal Contraception, Geneva, Switzerland. July 2001
287. Invited Speaker: "Andropause". Unimed/EDU-Medical. September 2001
288. Invited Speaker: "Androgen Replacement in Older Men: Treating the Andropause". Endocrine Society. Chicago, Ill. September 2001
289. Invited Speaker: "Male Hormone Replacement" Scripps Mercy Hospital, La Jolla, CA. October 2001
290. Invited Speaker: "Sex Hormones & Fertility Issues in Pituitary Disease". UCLA Patient Support Group for Pituitary Dysfunction. University of California, Los Angeles. Los Angeles, CA October 2001
291. Invited Speaker: "Androgens and Aging". California Hospital Medical Center, Los Angeles, CA. November 2001
292. Invited Speaker: "Aging in Male: Andropause, Somatopause, Adrenopause". University of California, Irvine. Irvine, CA. December 2001

293. Invited Speaker: "KS: Of Mice and Men". 2nd International Huaxia Congress of Endocrinology. Huaxia, China. December 2001
294. Invited Speaker: "Andropause: To Treat or Not to Treat." St. Mary's Medical Center Long Beach, CA, 2002
295. Invited Speaker: "Future of Androgen Treatment in Aging Male." European Association of Urologists. Birmingham, UK. February 2002
296. Invited Speaker: "Androgens and Aging." Los Angeles Veterans Hospital, March 2002
297. Invited Speaker: "Testosterone: 1. There is much more to sex steroids than sex 2. Andropause :To treat or not to treat 3. Androgen Deficiency in women: what's going on?" Current Issues in Endocrinology for Primary Care Practice. Symposia Medicus, Cabo San Lucas. March 2002
298. Invited Speaker: "Male Infertility for the new millennium"; "Male contraception"; "Androgens and the aging male." Pacific Coast Reproductive Society. Palm Springs, CA. April 2002
299. Invited Speaker: "Male hypogonadism prevalence diagnosis" Satellite Conference, American Association of Andrology Annual Meeting, Seattle, WA. April 2002
300. Invited Speaker: "Androgens." Endocrine Grand Rounds, Indiana University, Indianapolis. May 2002
301. Invited Speaker: "Adult/adolescent testosterone replacement: when, how much, and new delivery systems." Annual Klinefelter's Syndrome Conference. Seattle, WA October 2002
302. Invited Speaker: "Ethnic Variation in the Hypothalamic Pituitary Testicular Regulation of Male Fertility." First Asian-Pacific Forum on Andrology. Shanghai, China October 2002
303. Invited Speaker: "Androgens in aging men." University of Calgary, Canada. November 2002
304. Invited Speaker: "Impotence and fertility in men: treatment options." California Pituitary Conference, Los Angeles, CA November 2002
305. Invited Speaker: "Transdermal Replacement of Testosterone with a Gel: a progress?" ESSIR, Hamburg, Germany, December 2002
306. Invited Speaker: "Andropause - A modern controversy" Florida, December 2002.
307. Invited Speaker: "Use of Testosterone in Men" UCLA, Los Angeles, CA, December 2002.
308. Invited Speaker: "Management of androgen deficiency & infertility in men with hypopituitarism", KIGS/KIMS Conference, Puerto Rico, January 2003
309. Visiting Professor: "Clinical Management of Androgen Deficiency in the Aging Male" Solvay Pharma. Toronto, Canada, February 2003
310. Invited Speaker: "Androgen deficiency in the older man" West Los Angeles Veterans Hospital, February 2003
311. Invited Speaker: "Andropause management, signs, symptoms" Asian ISSAM Taipei, Taiwan, March 2003

312. Invited Speaker: "Practical implications in the use of testosterone gel" TestoGel Symposium EAU, Madrid, March 2003
313. Invited Speaker: "Androgen deficiency in the older man: why, who, when, and how to treat" University of California, San Francisco March 2003
314. Invited Speaker: "Sexual function, mood, and quality of life outcomes in testosterone replacement studies" Inst of Medicine, Phoenix, AZ, March 2003
315. Invited Chair and speaker of Solvay Pharmaceutical Preceptorship, "Andropause" and "Klinefelter Syndrome" Torrance, CA, April 2003
316. Visiting Professor, St Mary Medical Center, Long Beach, CA: "Testosterone replacement therapy: repercussions from the Women's Health Initiative. April 2003
317. Invited Consultant: "Benefits of Testosterone Replacment on Diabetes, Lipid and Cardiovascular Disease" Merck Pharmaceuticals, New Jersey. May 2003.
318. Invited Speaker: "Benefits of T Replacement on Diabetes, Lipids, and Cardiovascular Disease". AACE Twelve Annual Meeting and Clinical Conference. San Diego, CA May, 2003
319. Invited Speaker: "Newest Insights Regarding Andropause". Hoag Hospital, Newport Beach, CA. May 2003.
320. Invited Speaker: "Beyond Puberty: Screening and Diagnosis of Male Hypogonadism Throughout the Life Cycle in Healthy Men", Endocrine Society Meetings, Philadelphia, PA. June 2003
321. Invited Speaker: "Benefits of Testosterone Replacement in the Aging Male", Endocrine Society Meetings, Philadelphia, PA. June 2003
322. Invited Speaker: "Treatment of Hypogonadism & Its Clinical Impact", Endocrine Society Meetings, Philadelphia, PA. June 2003
323. Invited Speaker: "Hypogonadism" Scripps Mercy Hospital Grand Rounds, San Diego, CA, August 12, 2003
324. Invited Speaker: "Assessment of dosage in modified androgens" Male Hormone 7th summit mtg Castle Elmau Germany, Sept 25-30, 2003
325. Invited Speaker: "New approaches to male contraception"; "Secondary risks & benefits of hormonal male contraception" Contraceptive Poatgraduate course ASRM, San Antonio, TX. October 12, 20003
326. Invited Speaker: "Mgmt of KS in adult men" Canadian Diabetes Association, Ottawa October 16-18, 2003
327. Invited Speaker: "Research & new discoveries and developments concerning XXY KS" Cypress, CA Oct 23-25, 2003
328. Invited Speaker: "Androgens and the Aging Male". Combined Endo Conference, University of Cincinnati. November 17-18, 2003

329. Invited Speaker: "Treating Pituitary Failure – A Practical Approach"; Panel discussion: Strategies to Raise Pituitary Awareness Locally and World-Wide." Pituitary Conf, Rancho Mirage, CA Westin Mission Hills Resort 760. December 13, 2003
330. Visiting Professor and Invited Speaker: "Androgens and Cardiovascular Disease". St Mary's Medical Center. Long Beach, CA January 21, 2004
331. Invited Speaker: Scientific advisory board; co-chair plenary symposium: "Testosterone and Erectile Dysfunction"; panel member: "Diagnosis, treatment and monitoring of 'acquired' hypogonadism, the controversies on measurement of 'testosterone' and other items". 4th World Cong Aging Male, Prague, Czech Republic. February 26-29, 2004
332. Invited Consultant and speaker: "Androgens and Estrogens in the aging male". Eli Lilly Indianapolis, Indiana, March 9, 2003
333. Invited Speaker: "Guidelines for Treatment of the Elderly Male"; "Outcomes of Prague aging male congress"; "Key points from Prague mtg". Ardana Symposium Brighton, England. March 24, 2004
334. Invited Speaker: "Osteoporosis in Men"; "Androgen Replacement - Current and Future". 4th Asian & Oceanic Congress of Andrology Malaysia March 26-28, 2004
335. Invited Speaker: "Androgens and Cardiovascular Disease". AACE Conference; Solvay Symposium Boston April 28-May 2, 2004
336. Invited Speaker: "Androgens and Cardiovascular Disease". UCLA/Veterans Association Medical Center Endocrine Grand Rounds May 7, 2004
337. Invited Speaker: "Androgens and Cardiovascular Disease". Harbor-UCLA Medical Center Endocrine Clinical Conference July 21, 2004
338. Invited Speaker: "Spermatogenesis: Hormonal Control". National Institutes of Health meeting. Seattle, Washington. September 29-Oct 2/04
339. Invited Keynote Speaker: "Male Androgen Deficiency, Diagnosis And Treatment". Scientific Cmte NACE Endocrine Program. Hallandale Beach, FLA 16-Oct-04
340. Invited Speaker: "Hormonal Regulation of Cell Death in the Testis: Implications for Contraceptive Development" Johns Hopkins Baltimore, MD October 25-26, 2004
341. Invited Speaker: "Effects of Testosterone on Body Composition, Bone and Brain: Do Benefits of Testosterone Treatment Outweigh the Risks?" Endocrine Society Pri-Med CME Course. Boston, MA October 29, 2004
342. Invited Speaker: "Effects of Testosterone on Body Composition, Bone and Brain: Do benefits of Testosterone Treatment Outweigh the Risks?" Endocrine Society Pri-Med CME Course. Washington DC November 18, 2004
343. Invited Speaker: "Impotence & Infertility in men: Diagnosis and Treatment Options". UCLA Pituitary Conference. Los Angeles, CA December 4, 2004
344. Invited Speaker: "Androgens and Aging". University of California San Diego Endocrine Grand Rounds January 26, 2005

345. Invited Speaker: "Importance of NO in Human Reproduction". Western Regional Meetings Carmel, CA February 2-5, 2005.
346. Invited Speaker: "Impotence & Infertility in men: Diagnosis and Treatment Options". Acromegaly Symposium. Santa Monica, CA March 20, 2005
347. Invited Symposium Chair: "Male Contraception". Testis Workshop, Seattle WA. March 30-April 2, 2005.
348. Invited Visiting Professor: "Klinefelter's Syndrome" St Mary's Medical Center, Long Beach, CA. April 8, 2005.
349. Invited Visiting Lecturer: "Male Hypogonadism: An Update on Diagnosis and Treatment" Ardana Pharmaceutical. England and Scotland. April 18-20, 2005.
350. Invited Speaker: Plenary lecture: "Male contraception"; symposium "Androgen therapy transdermic, pharmacokinetic and clinical results"; "Androgens and the aging male". COPAEN PanAmerican Congress of Endocrinology Punta Cana Dominican Republic. April 20-24, 2005.
351. Invited Speaker: Plenary debate: "Androgens for Aging Men". 8th International Congress of Andrology. Seoul, Korea June 12-16, 2005
352. Invited Speaker: Harbor-UCLA Basic Science Conference: Career Pathways in Biological Sciences. Torrance, CA July 26, 2005
353. Invited Consultant: "Current Knowledge and Future of Male Androgen Replacement Therapy. Urology Advisory Board, Orion Pharmaceutical. Helsinki, Finland September, 2005.
354. Invited Speaker: "Hypogonadism and Testosterone Treatment." West Los Angeles Veterans Administration Hospital. West Los Angeles, CA. October, 2005
355. Invited Speaker: "Dietary Influences n Male Reproductive Functions"; Chair: "General Clinical and Research Issues" 9th Hormonal Summit Meeting. Geneva, Switzerland. October, 2005
356. Invited Speaker: "Future Research for Male Contraceptives." International Committee for Contraceptive Research. New York, NY October, 2005
357. Invited Speaker: "Low T: how and why to treat." Cross Town Endocrine Society. Phoenix, Arizona. December 2005
358. Visiting Professor: "Of Mice and Men" St Mary's Medical Center. February, 2006
359. Invited Speaker: "TRT Replacement" Health Canada Ottawa, Canada, February, 2006
360. Invited Speaker: "Why & how is the "extra X" in 47, XXY Males so harmful" ASA Chicago, IL April, 2006
361. Invited Speaker: " Genetics of Germ Cells" European Testis Workshop. Bavaria Germany. April, 2006
362. Invited Speaker: "XXY mouse model for Klinefelter syndrome" European Testis Workshop. Bavaria Germany. April, 2006
363. Invited Speaker: "Klinefelter Syndrome: Of Mice and Men" Cedars Sinai Medical Center, Los Angeles, CA May, 2006

364. Invited Speaker: "Diagnosis and treatment of hypogonadism in elderly men" Scripps Mercy Hospital, San Diego, CA. May, 2006
365. Invited to Debate: "Debate title: pro for "Is there a role for androgen replacement therapy for hypogonadism of aging men?" Endocrine Society Annual Meeting. Boston, MA June, 2006
366. Invited Speaker: Testosterone Deficiency in Men: Evidence-Based Protocols for Effective Therapy Haymarket Dinner Meeting, Las Vegas, Nevada September, 2006
367. Invited Speaker: Testosterone Deficiency in Men: Evidence-Based Protocols for Effective Therapy Haymarket Dinner Meeting, La Jolla, CA October, 2006
368. Invited Speaker: Testosterone Deficiency in Men: Evidence-Based Protocols for Effective Therapy Haymarket Dinner Meeting, Beverly Hills, CA, October 2006
369. Invited Speaker: "Klinefelter syndrome: how an extra X may hurt you" Children's Hospital, Los Angeles, CA. November, 2006
370. Invited Speaker: "The Present State of Male Contraception" XX Reunion ALIRH Buenos Aires, Argentina April, 2007

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Ronald S. Swerdloff, M.D.

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2. Swerdloff, R.S., the. Pozefsky, J.D. Tobin and R. Andres: Influence of age on the intravenous tolbutamide response test. *Diabetes* 16: 161-170, 1967.
3. Odell, W.D. and R.S. Swerdloff: Progestogen-induced luteinizing and follicle stimulating hormone surge in postmenopausal women: A simulated ovulatory peak. *Proc Natl Acad Sci.* 61: 529-536, 1968.
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9. Abraham, G.E., R.S. Swerdloff, D. Tulchinsky, K. Hopper and W.D. Odell: Radioimmunoassay of plasma 17-hydroxyprogesterone. *J Clin Endocrinol Metab* 33: 42-46, 1971.
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14. Walsh, P.C., R.S. Swerdloff and W.D. Odell: Cyproterone: Effect of serum gonadotropins in the male. *Endocrinology* 90: 1655-1659, 1972.

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16. Abraham, G.E., W.D. Odell, R.S. Swerdloff and K. Hopper: Simultaneous radioimmunoassay of plasma, FSH, LH, progesterone, 17-hydroxyprogesterone, and estradiol 17-beta during the menstrual cycle. *J Clin Endocrinol Metab* 34: 312-318, 1972.
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22. Bray, G.A., D.A. York and R.S. Swerdloff: Genetic obesity in rats. I. Effects of food restriction on body composition and hypothalamic function. *Metabolism* 22: 435-554, 1973.
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