

## CURRICULUM VITAE

### **M.R.C. Greenwood, Ph.D.**

**Director, UC Davis Foods for Health Initiative  
Chancellor Emerita, UC Santa Cruz  
Chair, Graduate Group in Nutritional Biology  
Distinguished Professor of Nutrition and Internal Medicine  
University of California, Davis  
Department of Nutrition**

#### **Education:**

Auburn East High School	H.S. Diploma	1961
Vassar College	A.B., Summa cum laude	1968 Biology
The Rockefeller University	Ph.D.	1973 Physiology, Developmental Biology, and Neurosciences
Columbia University	Postdoctoral Fellow	1974 Human Nutrition

#### **PROFESSIONAL EXPERIENCE**

11/05- 07/08	<b>Chancellor Emerita, UC Santa Cruz Distinguished Professor of Nutrition and Internal Medicine, UC Davis</b>
1/08	<b>Director, Foods for Health Initiative, UC Davis</b>
9/06-	<b>Special Assistant to Dean Van Alfen, College of Agriculture and Environmental Sciences (CAES)</b>
9/07	<b>Chair, Graduate Group in Nutritional Biology</b>
4/04-11/05	<b>Provost and Senior Vice President – Academic Affairs University of California, Office of the President</b>
2005-	<b>Adjunct Professor of Nutrition and Public Health University of California, Berkeley</b>
7/96-4/04	<b>Chancellor and Professor of Biology University of California, Santa Cruz, California</b>

- 7/89-96      **Dean, Graduate Studies** (On Leave 12/93 - 5/95)  
University of California, Davis, California
- 8/1/95-7/1/96      **Vice Provost, Academic Outreach**  
University of California, Davis, California
- 5/95 – 9/95      **Consultant,**  
White House Office of Science and Technology Policy
- 9/93 - 11/93      Executive Office of the President  
Washington, D.C. 20500
- 11/93-5/95      **Associate Director for Science**  
White House Office of Science and Technology Policy  
Executive Office of the President  
Washington, D.C. 20500  
Confirmed by the U.S. Senate, November 1993
- 10/92-6/93      **Interim Reporting Dean for the Division of Education**  
University of California, Davis, California
- 7/89-7/96      **Professor,** Department of Nutrition (On Leave 12/93 - 5/95)  
University of California, Davis, California
- 7/89-7/96      **Professor,** Department of Internal Medicine (On Leave 12/93 - 5/95)  
University of California, Davis, California
- 7/89-90      **Adjunct Professor,** Department of Biology, Vassar College
- 1986-1989      **Chair, Department of Biology**  
**and John Guy Vassar Professor of Natural Sciences**
- 1988-90      **Director,** the Howard Hughes Biological Sciences Network Program, Vassar College
- 1986-1988      **Director,** Undergraduate Research Summer Institute, Vassar College
- 1985-1989      **Director,** Animal Model CORE Laboratory of NIH Obesity Research Center Consortium-  
The Rockefeller University, St. Luke's-Roosevelt Hospital, Vassar College
- 1981-1986      **Professor,** Department of Biology, Vassar College
- 1985      **Visiting Professor,** Department of Clinical Chemistry, University of Lund, Lund, Sweden
- 1978-1989      **Adjunct Assistant Professor,** Institute of Human Nutrition, Columbia University
- 1981-1985      **Director,** Adipose Tissue Laboratory, Obesity Research Center, Columbia University
- 1982      **Visiting Scientist,** University of Washington Medical School, Feb-June
- 1978-1981      **Associate Professor,** Department of Biology, Vassar College
- 1974-1979      **Adjunct Research Associate,** The Rockefeller University, New York
- 1976-1978      **Assistant Professor,** Human Genetics and Development, Institute of Human Nutrition,  
Columbia University
- 1977-1978      **Adjunct Assistant Professor,** Department of Biology, Vassar College

1975-1976 **Adjunct Assistant Professor**, Human Genetics and Development, Institute of Human Nutrition, Columbia University

1974-1975 **Research Associate**, Institute of Human Nutrition, Columbia University

1974-1975 **Adjunct Instructor**, The Pratt Institute, Brooklyn, New York

1973-1974 **Postdoctoral Fellow**, Institute of Human Nutrition, Columbia University

1968-1973 **Graduate Fellow**, The Rockefeller University, Laboratory of Human Behavior and Metabolism directed by Dr. Jules Hirsch

1965-1968 **Research Assistant**, Department of Biology, Vassar College

1967 **NSF Summer Fellow**, Case Western Reserve University

1962-1965 **Research Assistant**, Rutgers - The State University; Bureau of Biological Research

**SCIENTIFIC AWARDS AND RECOGNITIONS:**

**Most significant:**

<b>Member</b> , Institute of Medicine/National Academy of Sciences	1992
<b>Associate Director for Science</b> , OSTP, The Executive Office of the US President	1993-95
<b>Division Chair</b> , Policy and Global Affairs Division, The National Academies	2004-
<b>Fellow</b> , American Academy of Arts and Sciences	2005
<b>Fellow</b> , American Association for the Advancement of Science	1998
<b>Fellow</b> , American Society for Nutrition	2009
<b>President</b> , American Association for the Advancement of Science	1998-1999
<b>Fellow</b> , California Academy of Sciences	1999
<b>Member, National Science Board, U.S. Senate confirmed</b>	1996-2002
<b>American Psychological Association, Presidential Citation</b>	1995
<b>Exceptional Service Medal</b> , National Aeronautics and Space Administration	1995
<b>O.W. Atwater Lecturer</b> , USDA ARS/AIN	1995
<b>Carey Lecturer</b> , American Association for the Advancement of Science	2002
<b>The UC Santa Cruz Foundation Medal</b>	2004

**Important awards or recognition, in reverse chronology:**

<b>California Legislative Task Force on Diabetes and Obesity</b>	July 2007-2009
--	----------------

<b>Mars Endowed Lecturer</b> , University of Illinois, Champaign-Urbana	April 2007
<b>President</b> , The American Society for Clinical Nutrition	1998-99
<b>California Biomedical Research Association Public Service Award</b>	1997
<b>Special Award for Contributions to Women in Science</b> , Association for Women in Science,	1995
<b>Award for Outstanding Achievements in Academic Research and Government Service in Support of the Nation's Well-Being through Science and Technology</b> , Council on Research Policy and Graduate Education, and the Council on Government Affairs of the National Association of State Universities and Land-Grant Colleges	1994
<b>Award of Support of Science</b> Council of Scientific Society Presidents	1994
<b>Chair</b> , Food and Nutrition Board, Institute of Medicine/National Academy of Sciences	1991-93
<b>Endowed Chair</b> - John Guy Vassar Chair for Natural Sciences	1986-1989
<b>President</b> , North American Association for the Study of Obesity,	1987-88
<b>Doctor of Humane Letters</b> , Mount Saint Mary College, Newburgh, NY	1989
<b>American Institute of Nutrition (AIN) Award</b> in Experimental Nutrition (BioServ Award)	1982

**ADDITIONAL SCIENCE HONORS:**

<b>Member</b> , California Council on Science and Technology	2004-
<b>Chairman</b> , Board of Directors, American Association for the Advancement of Science	1999-2000
NIH Research Career Development Award	1978-1983
Mellon Scholar-in-Residence, St. Olaf College, Northfield, Minn.	1978
NIH Postdoctoral Fellowship	1974
Matheson Postdoctoral Fellowship	1973-1974
New York State Regents Fellowship for Graduate Study	1968
Vassar College, A.B., Summa cum laude, Biology	1968

**COMMUNITY HONORARY AND SERVICE AWARDS**

100 Most Influential Business Women, Bay Area	2004
Distinguished Fellow (Science and Technology), California State University, Monterey Bay	2001
Woman of Achievement (Education), The Women's Fund, San Jose	2001

Woman of the Year, Santa Cruz Chamber of Commerce

1998

Role Model Award Honoree, Girl Scouts

1993

**CURRENT SIGNIFICANT LEADERSHIP ROLES:**

**Director, Foods for Health Initiative, Jan 2008-**

The Foods for Health Institute (FFHI) at the University of California at Davis is a major campus initiative that includes research, outreach and teaching programs in the arena of food and health. It seeks to build on UC Davis' strengths and integrates across departments, schools and colleges to actively create multi-disciplinary research programs, as well as, faculty to faculty and faculty to industry, research partnerships. FFHI interests span from agricultural and food sciences to the clinical assessment of food components.

**CHAIR, GRADUATE GROUP IN NUTRITIONAL BIOLOGY, SEPT, 2007-**

The Graduate Group in Nutritional Biology (GGNB) has been in existence for over fifty years,. The group offers both the M.S. and Ph.D. degree programs. To my knowledge this is the largest graduate program in nutrition in the United States, currently comprised of 71 faculty members and 118 graduate students. I have assumed the chair effective Sept. 1, 2007. Our objectives are: (a) to complete the required graduate program review this year and to develop for implementation, a strategic plan for the improvement and success of the group over the next decade. This will involve significant analysis of our program, our curriculum, and program culture.

**CHAIR, POLICY AND GLOBAL AFFAIRS DIVISION OF THE NATIONAL RESEARCH COUNCIL OF THE NATIONAL ACADEMIES, MAY, 2004-**

POLICY AND GLOBAL AFFAIRS (PGA) is one of six program divisions of the National Academies. PGA's mission is to help improve public policy, understanding, and education in matters of science and security, technology, and health with regard to national strategies and resources, global affairs, workforce, and the economy. Appointment as a chair of a national academies division is an honor and the chair is a volunteer. The division is charged to identify and build synergy among the disciplines and issue areas, and to promote interaction among science, engineering, medicine, and public policy. PGA consists of 14 major standing committees, boards and program units, under the aegis of the Policy and Global Affairs Committee. Together they manage a very diverse portfolio of activities designed to strengthen science and engineering in the U.S. and abroad. They produce technical and policy reports, convene workshops and conferences, collect and disseminate data, manage fellowship competitions, and review research proposals. Overseas, they represent the U.S. in international disciplinary organizations, assist researchers subjected to human rights violations, manage international exchanges and collaborative research projects, conduct bilateral dialogues on sensitive topics, and support the work of partner academies in developing countries. Each activity is conducted or overseen by a committee of volunteers selected for their expertise on the subject. The chair is responsible for the submission of committee slates to the NAS president.

The Policy and Global Affairs Committee is entrusted with the oversight of the work of the division, with responsibility specifically for: (1) articulating intellectual and strategic goals for the division; (2) providing direction on emerging issues and new developments in S&T policy; (3) performing strategic reviews of the underlying Boards and standing committees on a regular basis; (4) reviewing Board composition and approving new Board member nominations; (5) strengthening connections between the Academies and the programs of the division; and (6) serving as a resource to the division staff by participating in the division activities and the review process, identifying other potential participants, and interacting with relevant professional communities.

Thus far, during the period when I have been chair, PGA has released 85 reports, including the important *Rising Above the Gathering Storm* (2005) which led to much of the legislation in the America Competes Act, with major new programs in support of scientific research, the most detailed gender equity report *Beyond Bias and Barriers* (2006) which has led to Congressional hearings and a large NIH mentoring meeting which I am co-chairing, and *Science and Security in a post 9/11 World* (2007) which recommended a new national science and security commission and has already led to Congressional hearings planned for early 2008. The PGA committee has completed a full round of reviews of the boards and these have led to significant changes in board operation and some personnel changes.

#### **ADMINISTRATIVE EXPERIENCE:**

##### **PROVOST AND SENIOR VICE PRESIDENT – ACADEMIC AFFAIRS, UNIVERSITY OF CALIFORNIA - OFFICE OF THE PRESIDENT, APRIL 2004 – NOV 2005**

The Provost and Senior Vice President – Academic Affairs was the second highest position in the 10-campus University of California system, reporting directly to the President of the University. Responsibilities included development of academic and research policy; administrative oversight of University planning and associated budget matters; liaison with University-wide Academic Senate and student governments; liaison to the California Postsecondary Education Commission; development of policy in such areas as admissions and outreach, library planning, and student affairs. The Provost and Senior Vice President is also responsible for University Extension, summer sessions, the University Press, and the UC Natural Reserve System. Accomplishments included initiating a long range planning task force, a task force on graduate and professional education, numerous presentations on the need to rebalance the university's academic portfolio, introducing a new procedure for transparency in admissions, and supporting the new Science and Math Initiative(SMI) among other efforts.

##### **CHANCELLOR, UNIVERSITY OF CALIFORNIA AT SANTA CRUZ, 1996 – 2004**

Served as the chief executive officer of the campus, responsible to the President of the University. Within the scope of University policy, exercised very broad delegated authority and responsibility for all aspects of campus administration.

Major accomplishments as Chancellor include: launching the campus' first professional school, the Jack Baskin School of Engineering; increasing the number of academic programs by 52%, from 63 to 96, including a 41% increase in graduate programs; opening the first new residential colleges in the UC system in 30 years; hiring 250 new faculty members; more than doubling extramural research support; constructing nearly one million assignable square feet in academic buildings for the arts, the sciences and engineering; establishing a UC Silicon Valley Center at Moffett Field and engaging with NASA Ames in developing the nation's first University Affiliated Research Center (the largest competitive award in the UC system prior to that time); and raising more private donations than the previous total for the campus' entire history.

##### **DEAN OF GRADUATE STUDIES, UNIVERSITY OF CALIFORNIA AT DAVIS, 1989 – 1996 (ON LEAVE 12/93 - 5/95)**

Reporting directly to the Chancellor, Senior Academic and Administrative Officer for departmentally based, interdepartmental and inter-college graduate, academic and degree programs (currently 80 programs). The office provides the overall management of the graduate programs including academic planning, recruitment, admissions, retention, placement, employment and financial assistance. The office also participates in the development and acquisition of various training grants. It is also responsible for postdoctoral affairs. In addition, as part of the senior management team, participate directly in assessing and planning for campus needs and for financial and other resources for graduate education. The Office of Graduate Studies is also responsible for the establishment, review and revision of post-baccalaureate programs and for providing leadership for the overall graduate plan. Accomplishments in graduate studies included improvements in articulating, administering and beginning new graduate programs, improving the campus' training grant record and working to increase support for graduate education. In addition, maintained a well supported personal research effort focusing on the genetic basis for diabetes and obesity and in areas related to women's health.

**VICE PROVOST, ACADEMIC OUTREACH,  
UNIVERSITY OF CALIFORNIA AT DAVIS, 8/1995 – 1996**

Provided campus leadership in the coordination of the development and implementation of academic outreach and public service activities involving all members of the campus community. Responsible for providing leadership and coordination of campus efforts to develop the lifelong learning model and campus initiatives involving, local, state, and federal government, industry, and businesses to address societal needs. Provided leadership and coordination of campus efforts in the areas of international education and outreach. Develop cooperative efforts with the Vice Provost for Academic Programs and Personnel and the Vice Chancellor for Research on all matters related to graduate education and outreach. Campus units reporting included University Extension, Summer Sessions, and some International Programs.

**ASSOCIATE DIRECTOR FOR SCIENCE,  
EXECUTIVE OFFICE OF THE PRESIDENT OF THE UNITED STATES, 11/1993 – 5/1995**

Responsibilities included providing authoritative information and advice on a broad array of scientific areas to the Director of the Office of Science and Technology Policy in support of the President and his objectives and programs. Provided budget advice (in consultation with OMB) on the nation's core science budget (approximately \$14 billion at that time). Developing policy documents for the President (for example, *Science in the National Interest, and Meeting the Challenge; Health, Safety, and Food for America*). In addition, the Division played a leadership role in coordinating inter-department and interagency science activities. The Science Division's overall objectives included insuring that: (1) the U.S. continues to maintain global leadership in science, and (2) science continues to provide support for successful achievements in solving a number of our most important problems in the areas of health, agriculture, the environment, the economy, energy, social well-being, and national security.

Additional responsibilities included advising and assisting the National Science and Technology Council (NSTC) as the White House Co-Chair on two NSTC Committees and as liaison to a third. The NSTC, which was established by President Clinton on November 23, 1993, was the principal means for the President to coordinate science, space, and technology policies across the Federal government. The Committees were: (1) Committee on Fundamental Science, chaired also by the Director of the National Institutes of Health, and the Director of the National Science Foundation; (2) Committee on Health, Safety, and Food R&D, chaired also by the Assistant Secretary for Health at the Public Health Service in the Department of Health and Human Services, and vice-chaired by the Assistant Secretary for Science and Education Administration in the U.S. Department of Agriculture, and Commissioner of the Food and Drug Administration; and, (3) Committee on Education and Training R&D, chaired also by Deputy Secretary for Education in the U.S. Department of Education, and vice-chaired by Deputy Secretary of Labor in the U. S. Department of Labor and Assistant Director for Education and Human Resources in the National Science Foundation.

**EXAMPLES OF CONGRESSIONAL TESTIMONY AS ASSOCIATE DIRECTOR FOR SCIENCE**

Testimony before the Senate Committee on Commerce, Science and Transportation, Subcommittee on Science, Technology and Space on the competitiveness of our domestic biotechnology industry. (March 23, 1994)

Testimony before the Joint Economic Council on national policies supporting technical innovation in health care, more specifically, ways in which we can work together to sustain and enhance the relationship between the Federal government and the U.S. biotechnology industries. (June 24, 1994)

Testimony before the House Committee on Science, Space, and Technology on academic earmarks and furthering the national discussion of how best to support and maintain the world's leading research and development enterprise. (September 21, 1994)

Testimony before the House Committee on Science, Space, and Technology on gene therapy --status, prospects for the future, and Government policy implications. (September 28, 1994)

**INTERIM REPORTING DEAN FOR THE DIVISION OF EDUCATION,  
UNIVERSITY OF CALIFORNIA AT DAVIS, 1992-93**

Reporting Dean for the Division of Education and Cooperative Research and Extension Services for Schools. This interim position was established to guide the planning of a possible School of Education. This academic unit was developing a cohesive and comprehensive academic and budgetary plan. The Division of Education offers Ph.D., Ed.D., M.A. and Teacher Education Credential programs; is supported by a budget in excess of \$2 million dollars and has approximately 21 faculty members and numerous career staff and temporary positions. Responsibilities included budget and program oversight, faculty and staff hires, promotions, merits and grievances.

**DIRECTOR OF THE HOWARD HUGHES BIOLOGICAL SCIENCES ENHANCEMENT PROGRAM, VASSAR COLLEGE, 1988-89**

Reported directly to the Dean of the College; responsibilities included overall academic coordination of funded programs, including recruitment of new faculty, liaison with the Office of Development, budget oversight, final reporting requirements, forward planning, advising on appointment of project directors, selection of steering committee, identifying areas of program need and analysis of the impact of the program on the academic program of the college related to undergraduate science education. Served as Chair of the committee to prepare, and the primary author of, the successful \$700,000 application to HHMI.

**CHAIR, DEPARTMENT OF BIOLOGY,  
VASSAR COLLEGE, 1986-89**

Administered department with 15 full-time faculty members, three to six postdoctoral fellows, and 15 secretarial and laboratory staff members; responsibilities included recruitment and review of faculty for tenure, promotion and salary; negotiation of staff union grievances or concerns; budget development and maintenance; oversight of department curricula (including the complete revision of our undergraduate curriculum); oversight of interdepartmental relations, including development of interdisciplinary and multidisciplinary majors; departmental advising of student majors and review of their status for graduation; preparation of departmental extramural grants; advising of faculty in grant preparation and overall supervision of building maintenance and renovations.

**DIRECTOR OF THE UNDERGRADUATE RESEARCH SUMMER INSTITUTE (URSI),  
VASSAR COLLEGE, 1986-88**

Initiated the URSI Program at Vassar College in 1986; coordinated faculty-student research projects from all departments in the natural sciences division; conducted student competition; selected faculty and students; planned and administered budget; directed annual mini-symposium and faculty workshop; and prepared extramural grant applications to support program including institutional request to the Howard Hughes Medical Institute.

**DIRECTOR OF NIH OBESITY RESEARCH CENTER (ORC) ANIMAL MODEL CORE LABORATORY,  
VASSAR COLLEGE, 1985-89**

Administered an animal care facility which provided experimental animals to over 50 national and international laboratories. Responsibilities included staff supervision, supervision of compliance with state and federal guidelines, fulfillment of institutional IACUC regulations, preparation of competitive and noncompetitive renewals and budget oversight. In addition, served on the ORC Executive Board and participated in ORC forward planning and review of internal grants program.

**CHAIR, FACULTY REVIEW COMMITTEE,  
VASSAR COLLEGE, 1985**

This is the final faculty appeal committee which had been constituted only once in Vassar's history. Responsibilities included holding hearings to determine if abridgement of academic freedom had occurred, maintaining accurate hearing records, consulting with legal counsel, and preparing the final recommendations to the Dean and to the President.

**PROFESSIONAL SOCIETIES (current and past)**

Institute of Medicine of the National Academy of Sciences  
American Academy of Arts and Sciences

Academy of Behavioral Medicine Research  
 American Association for the Advancement of Science  
 American Dietetics Association  
 American Institute of Nutrition (now ASNS)  
 American Psychological Society  
 American Society for Clinical Nutrition(now ASNS)  
 American Physiological Society  
 American Society for Women in Science AWIS  
 The Harvey Society  
 New York Academy of Sciences  
 California Academy of Sciences  
 North American Association for the Study of Obesity (NAASO) - now The Obesity Society  
 Phi Kappa Phi  
 Prytanean Society (Honorary Member)  
 Sigma Xi  
 Society for Experimental Biology and Medicine  
 Society for the Study of Ingestive Behavior

**SERVICE ON WHITE HOUSE COMMITTEES AND COUNCILS**

National Science and Technology Council (NSTC)

White House Co-Chair, Committee on Fundamental Science (CFS)	1993-95
White House Co-Chair, Committee on Health, Safety, and Food R&D	1993-95
Member, Committee on Education and Training	1993-95
Domestic Policy Council (DPC), joint staff appointment	1993-95

**GOVERNMENT SERVICE (Current or after OSTP)**

Task Force on the Future of Science Programs, Department of Energy	2002-04
Chairperson, COMEST (United Nations) Sub-commission on the Ethics of the Information Society	2000-04
Member, UN World Commission on the Ethics of Scientific Knowledge and Technology (COMEST)	1998-2001
Member, California Governor Gray Davis' Bioscience Council	2000-04
Member, America Reads*America Counts Steering Committee of College and University Presidents, U.S. Department of Education	1998-04
Member, National Oceanic and Atmospheric Administration (NOAA) Science Advisory Board (SAB)	1998-2002
Member, National Science Board	1997-2002
Member, Laboratory Operations Board, United States Department of Energy, Secretary of Energy Advisory Board	1995-1996
Member, German-American Academic Council (GAAC)	1996-2000
Consultant, OSTP	1995

**GOVERNMENT SERVICE (Prior to appointment as Associate Director, OSTP)**

Member, Food and Drug Administration Science Board, Department of Health and Human Services	1993
National Institutes of Health, Task force, Future of Biomedical Careers for Women	1993
Member, NIH Nutrition Study Section	1983-87
Reviewer for 2-3 NIH or NSF ad hoc study sections a year	1978-83
Co-Author (with P.R. Johnson) of NIH pamphlet on Obesity	1980
Site visitor for EDC review group	1979

**SERVICE IN NATIONAL AND INTERNATIONAL PROFESSIONAL SOCIETIES**  
**Institute of Medicine/National Academy of Sciences**

Chair, Committee on the Use of Dietary Supplements in the Military	2007
Chair, Division of Policy and Global Affairs, NRC National Academies of Sciences	2003-
Member, Committee on Scientific Communication and National Security, The National Academies	2003-
Member, Roundtable on Scientific Communication and National Security, The National Academies	2003-
Member, Committee on Science and Technology for Countering Terrorism	2001-2002
Member, Advisory Committee, Division on Policy and Global Affairs	2001-
Chair, Advisory Committee, Office of Science and Engineering Personnel	1996-2001
Member, Committee on Science, Engineering, and Public Policy (COSEPUP)	6/95-98
Chair, Food and Nutrition Board, Institute of Medicine/National Academy of Sciences	1991-93
Member, Food Forum, Food and Nutrition Board, Institute of Medicine	1993
U.S. National Committee for the International Union of Nutritional Sciences (USNC/IUNS)	1991-93
Member, Program Committee, Institute of Medicine	1990-93
Member, Food and Nutrition Board of National Research Council, National Academy of Sciences	1985-93
Correspondent, Committee on Human Rights	1993-

**American Institute of Nutrition and American Society for Clinical Nutrition (AIN and ASCN)**

President, The American Society for Clinical Nutrition	1998-99
Vice President, The American Society for Clinical Nutrition	1997-98
Vice President-elect, The American Society for Clinical Nutrition	1996-97

Co-Chair, FASEB Summer Conference Energy Balance and Nutrient Partitioning, Vermont	July 1989
Chair and Organizer, FASEB symposium	1988
Chair, American Institute of Nutrition (AIN) Minisymposium, Animal Models of Obesity	1986
Nominating Committee, AIN	1987, 86
Member, AIN Mead Johnson Award Committee	1986
Chair or Co-Chair for FASEB Obesity sessions	1986, 85, 82, 81, 80
Chair, American Institute of Nutrition (AIN) Osborne-Mendel Award Nominating Committee	1984
Member, AIN, Osborne-Mendel Award Nominating Committee	1983, 1982
XII International Congress of Nutrition, San Diego, California, member of the Program Committee International Association for the Study of Obesity (IASO)	1981
Treasurer, International Association for the Study of Obesity	1991-93
Governing Board Member, International Association for the Study of Obesity (IASO)	1988 - present
Co-Editor, Proceedings of the Adipose Tissue Satellite Meeting of the IV International Congress on Obesity, International Journal of Obesity	1985
Organizing Member, International Association for the Study of Obesity (IASO) IV International Congress on Obesity, New York,	1983
Organizing Board Member and Co-Chair of Satellite Conference on Cellularity held at Vassar College; Chair, Abstract Selection Committee	
Second International Congress on Obesity, Washington, DC, Chair of the Program Committee, member of the Organizing Committee	1977
<b><u>North American Association for the Study of Obesity (NAASO) - (now the Obesity Society)</u></b>	
President, North American Association for the Study of Obesity, (Vice President 1986-87)	1987-88
Chair, Publications Committee, North American Association for the Study of Obesity (NAASO)	1986-89
Councilor, North American Association for the Study of Obesity (NAASO)	1983-1985
Second International Congress on Obesity, Washington, D.C., Chair of the Program Committee, member of the Organizing Committee	1977
<b><u>Other</u></b>	
Co-chair, The Reality Council	2006

Member, California Council on Science and technology	2004-
Member, Board of Directors, Children's Discovery Museum of San Jose	2003-04
Member, Board of Directors, Sutter Maternity and Surgery Center, Santa Cruz	2003-04
Economic Development Council of Santa Cruz	2002-04
Silicon Valley Manufacturing Group, Executive Advisory Board	2002-05
Building Engineer and Science Talent (BEST), Board of Directors	2001-
PEW Initiative on Food and Biotechnology, Executive Advisory Committee	Oct. 2001-2003
Member, Bay Area Science Infrastructure Consortium (BASIC)	2000-05
Member, Board of Directors, United Way of Santa Cruz County	2000-2003
Silicon Valley Manufacturing Group, Board of Directors	1999-12/2003
Bay Area Economic Forum	1999-2005
Silicon Valley Higher Education Roundtable	1999-2004
Member, Academic Advisory Board, The Leon and Sylvia Panetta Institute For Public Policy	1999-
Member, NIDDK Search Committee for Director	1998-1999
Member, Board of Directors, Maxygen, Inc.	1999-
Member, Mars Nutrition Research Council, Inc.	1998-2007
Member, Mars Science Advisory Council (MSAC)	2007-
Member, California Healthcare Institute	1998-
Member, Board of Directors, InfoDream Corporation	1997-1999
Ex Officio Member, The Tech Museum of Innovation	1997-03
Consultant, Campbell Soup Company	1992-93
Co-Chair, Civic Task Force, Linking Education & Economic Development (LEED), Sacramento, CA	1993
Editor, Proceedings of the NIH Workshop on the Characterization of Human Obesities, International Journal of Obesity	1984
Co-Chairman of "Workshop on the Characterization of Obesity" (funded by the NIH) held at Vassar College	1982
Executive Board, Obesity Research CORE Center Consortium (ORC), St. Luke's-Roosevelt Hospital, Columbia University, Rockefeller University, Vassar College	1980-90

**REGIONAL, NATIONAL AND INTERNATIONAL HIGHER EDUCATION COMMITTEES AND SERVICE**

Member, Commission on Writing in America's Schools and Colleges, The College Board	2002-03
Delegate, World Conference on Science: Science for the Twenty-First Century: A New Commitment, Budapest, Hungary	1999
Member, Board of Directors, National Association of State Universities and Land Grant Colleges (NASULGC)	1996-1999
SIPh.D. Review Committee, University of Washington	1993
Member, Graduate Record Examinations Board (GRE)	1993
Executive Committee, Western Association of Graduate Schools (WAGS)	1993
Planning Committee, Northern California, American Council on Education, National Identification Program (ACE/NIP)	1991-93
Program Committee, Western Association of Graduate Schools (WAGS)	1990-93
Federal Relations Task Force, Council for Research Policy and Graduate Education, National Association of Schools, Universities, and Land Grant Colleges (NASULGC)	1991-93
Executive Board, Council for Research Policy and Graduate Education, National Association of Schools, Universities, and Land Grant Colleges (NASULGC)	1991-93
Evaluator, Western Association of Schools and Colleges (WASC), Accreditation Teams	1991

**PRESENTATIONS AND PARTICIPATION IN NATIONAL AND REGIONAL HIGHER EDUCATION ASSOCIATIONS- while UCD Graduate Dean**

Western Association of Graduate Schools (WAGS)

Presentation - March 1993: "Accountability in Graduate Schools"

Panelist - March 27 - 29, 1992: Idea Session: "Strengthening the Linkage Between Undergraduate and Graduate Education in the Minds of Students, Faculty, and the Public."

Panelist - March 27 - 29, 1992: "Recent Dialogue on Undergraduate Education and Possible Implications for Graduate Education and Research."

Council for Research Policy and Graduate Education (CRPGE)

National Association of Schools, Universities, and Land Grant Colleges (NASULGC)

CRPGE, Summer Forum, Organizer and speaker, June 19-22, 1992: "What is the Impact of New/Expanded Roles on University Functions?"

Council of Graduate Schools (CGS)

Annual Meeting, December 1-4, 1992, Dallas, Texas: Plenary Speaker, "The Role of the Graduate School in the Modern University."

National Collegiate Honors Council, October 30, 1992, Panelist, University of California, Los Angeles: "Graduate Education."

**EDITORIAL BOARDS**

Journal of Women's Health	1995-
Obesity Research (Section Editor)	1992 -93
Nutrition Notes Editorial Advisory Committee (AIN)	1991-96
Physiology and Behavior	1989-93
Nutrition and Behavior	1982-88
Proceedings of the Society for Experimental Biology and Medicine	1982-88
International Journal of Obesity and Related Metabolic Disorders, Advisory Board	1986-93
Journal of Nutrition	1986-89

**AD HOC REVIEWER FOR THE FOLLOWING PROFESSIONAL JOURNALS**

American Journal of Physiology  
Atherosclerosis  
Cell  
Endocrinology  
Journal of Clinical Investigation  
Journal of Lipid Research  
Journal of Pediatrics  
Metabolism  
Physiology and Behavior  
Science  
American Journal of Clinical Research

**FUNDING AND PUBLICATIONS**

Dr. Greenwood has been principal investigator on numerous federal, state and private foundation grants. At this time she is not a principal investigator on any federal grant. She has numerous publications and professional meeting presentations, as well as many invited national and international symposia, conferences and other speaking engagements. Details follow.

**FUNDING**

Principal Investigator on the Following Grants

NIH:NICHD grant (HD12637), Nutrition and Adipocyte Growth and Development total direct costs \$1,014,608	1977-88
Total direct costs \$542,312, P.I.	(1988-93)
USED grant, Minority Participation in Graduate Education \$87,100	1992-93
NIH:NIDDK (DK40118) Nutrition, Sex and Modulation of NIDDM in WKY fa/fa Rats, \$410,615	1988-91
Howard Hughes Medical Institute Award for BIOLOGICAL SCIENCES ENHANCEMENT NETWORK, (Vassar College) 1988-93 M.R.C. Greenwood, Project Director, \$700,000	1988-89
American Heart Association, Grant-in-Aid, \$44,353	1985-87
NIH "Workshop on the Characterization of Obesities," \$29,000	1982

National Dairy Council Grant-in-Aid, \$11,500	1981-83
Hoffman-LaRoche Grant-in-Aid, \$10,000	1981-82
Weight Watchers Foundation, Developmental Changes in Adipose Tissue Lipoprotein Lipase and Muscle Protein Metabolism, \$20,000	1980-81
March of Dimes Birth Defects Foundation, Cellular Etiology of Obesity, \$94,000	1979-83
NIH Research Career Development Award, \$191,875	1978-83
NIH:NIAMDD grant, Behavioral and Metabolic Correlates of Genetic Obesity, \$175,886	1978-81
Sugar Association Grant-in-Award, Taste as a Factor in the Etiology and Maintenance of the Obese Condition, \$66,803	1976-79
National Foundation, Basil O'Connor Starter Grant, \$38,404	1976-78
Nutrition Foundation, Adipose Tissue Development and Early Nutritional Influences, Future Leader Award, \$20,000	1975-77

**COLLABORATIVE FUNDING**

NIH, Behavioral and Metabolic Correlates of Genetic Obesity, 1988-93, Carol Maggio, P.I., M.R.C. Greenwood, collaborator

Obesity Research CORE Center grant 1985-90, (T. Van Itallie and J. Hirsch, Co-P.I.s) with Animal Model CORE at Vassar (CORE Director, M.R.C. Greenwood), Total request - \$4,060,769, Vassar CORE portion - \$522,488

MacArthur Foundation Grant, P.I., K. Brownell (University of Pennsylvania) 1985-90, Total award - \$1,000,000 Vassar node - \$125,000

NIAMDD grant, Behavioral and Metabolic Correlates of Obesity, Joseph Vasselli, P.I., M.R.C. Greenwood, Co-P.I., 1983-86, \$180,000

NIH:NICHD grant 1975-78, JoAnne Brasel, P.I., M.R.C. Greenwood, Co-P.I., \$195,067

**UNIVERSITY/COLLEGE SERVICE**

**University of California, Office of the President**

Member, Executive Budget Committee	2002-05
Chair, Subcommittee on Government Funding, Commission on Growth and Support of Graduate Education	2001-03
Member, Commission on Growth and Support of Graduate Education	2001-03
Member, Senior Management Advisory Committee	1999-2002
Member, National Partnership for Advanced Computational Infrastructure Institutional Oversight Board (NPACI)	1999
Member, Task Force on Employee Relations	1999-01
Co-Chair, UC/CSU Joint Graduate Board	1997-2003

**Numerous other task forces and ad hoc committees: e.g.,**

**University of California, Santa Cruz**

Foundation Board of Trustees  
 Chancellor's Cabinet  
 Chancellor's Advisory Council  
 Millennium Committee  
 Provost's Advisory Council  
 Monterey Bay Educational Consortium  
 UC Santa Cruz/Community College Regional Council  
**Numerous other campus committees**

**University of California, Davis**

Council of Vice Chancellors  
 Council of Vice Chancellors and Deans  
 Academic Affairs Council  
 Academic Planning Council  
 Biological Sciences Council  
 Graduate Council  
 Campus Development Council  
 Financial Aid Work Group  
 Affirmative Action Work Group  
 Council of Deans  
 Budget Advisory Council  
 UC Council of Graduate Deans (Chair, 1992-93)  
 Subcommittee on Tuition Waiver Policy, Office of the President, University of California  
 Joint Graduate Board (CSU/UC)  
 Joint Advisory Committee on Graduate Student Support, Office of the President, University of California  
 Academic Positions Allocation Work Group  
 Discretionary Funds Allocation Work Group  
 Labor Relations Work Group  
 Graduate Student Assistant Advisory Group, Office of the President, University of California  
 Board of Directors, University of California, Davis, University Club, 1993-95

**Vassar College**

Howard Hughes Faculty Study Group	1988-89
Chair, URSI Steering Committee	1986-89
Steering Committee, International Studies	1985-89
Co-Chair, Energy Committee	1983-89
College Planning Council, Subcommittee on Athletics	1987
Organizing Member, Women's Health Initiative at Vassar	1987
Chaplain's Advisory Committee	1985-87
Chair, Faculty Review Committee	1985
Field Work Committee	1982-85
AAVC panels (Alumnae Program)	1978-84, 86
Vassar Today Panels (Development Office)	1978-84, 86
Center for Integrative Studies Committee	1984
Ad Hoc Committee Women-in Science at Vassar	1978- 84
Committee on Secondary School Education	1983
Dean's Committee on Residential Life	1982-83
College Regulations Committee	1982-83
Co-Chair, Lathrop Housefellow Committee	1981-83
Macy Committee to Evaluate PreMedical Education	1981-82

Student Records Committee	1978-81
Women's Studies Advisory Committee	1978-81
Ad Hoc Faculty Review Committee	1979

**Departmental Service, Department of Biology, Vassar College**

Chair	1986-89
Chair, Curriculum Committee	1986-89
Premajor Advisor	1979-89
Major Advisor	1980, 84, 87
Organizer: Biology Department Colloquium	1979-81, 83-84, 86
Acting Chair Summer	1985
Graduate Committee in Biology	1979-81, 83-84
Curriculum Committee	1983-84
Co-Developer, Summer Undergraduate Research Program	1986

**Columbia University**

Ph.D. Committee Chair, Institute of Human Nutrition	1976-78
Ad Hoc Committee to Evaluate the Problems of Graduate Education at the Medical School	1977
Chair, Ph.D. Admissions Committee	1976-78
Committee to Evaluate the Teaching of Nutrition at Columbia Medical School	1977

**TEACHING EXPERIENCE**

**UC Davis**

Nutrition 111B, Dietary Reference Intakes and Nutritional Practices	2007
Creating, Controlling, and Regulating the Nation's Food Supply: The Practice and Politics of Food (Freshman Seminar)	1993

**UNDERGRADUATE COURSES**

**UC Santa Cruz**

Chancellor's Undergraduate Intern Program, Crown 184A/B/C	2000-01
Chancellor's Undergraduate Intern Program, Crown 184A/B/C	2001-03
Guest lecture, Chemistry 80G: Bioethics in the 21 <sup>st</sup> Century: Science, Business and Society	February 12, 2002
Women's Health, Women's Studies 171	Fall, 2002

**Vassar College**

Biological Determinants of Human Sexuality  
 Biology Senior Seminar  
 Biopsychology Senior Seminar  
 Developmental Biology  
 Hormonal Integration  
 Introduction to Nutrition  
 Introductory Biology  
 Nutrition and Metabolism  
 Seminar on Nutrition  
 Participant, Introduction to Women's Studies  
 Participant, Preschool Conference  
 Participant, World Hunger Course

Additional: 3-5 independent students completed projects in laboratory yearly.

**Other Institutions**

Pratt Institute:	Advanced Nutrition	1974, 75
------------------	--------------------	----------

**GRADUATE COURSES - MASTER'S LEVEL**

**Columbia University**

Readings in Nutrition	Inst. of Human Nutrition	1974-78
Nutritional Biochemistry	Inst. of Human Nutrition	1974-78
Growth and Development	Inst. of Human Nutrition	1974-78
Seminar in Nutrition Research	Teacher's College	1976
Current Topics in Nutrition	Inst. of Human Nutrition	1976

M.S. Students: Six students completed the M.S. at Columbia under my supervision

**GRADUATE COURSES - PH.D./M.D. LEVEL**

Nutrition and Behavior	1976
Metabolism of Protein, Carbohydrates and Lipids	1975, 1977
Introduction to Clinical Nutrition, lecturer	1992

**POSTGRADUATE SUPERVISION**

**Ph.D Thesis Advisor for:**

Margot Cleary	1976, Ph.D.
Laufey Steingrimsdottir	1979, Ph.D.
Rhoda Gruen	1979, Ph.D.
Iris Turkenkopf	1981, Ph.D.

**Ph.D. Thesis or Qualifying Committees: (other than my own students)**

Mel Grundleger	1979, Ph.D.
Susan Fried	1980, Ph.D.
Kathleen Vermitsky	1980, Ph.D.
Joseph Triscari	1981, Ph.D.
Rosie Woo	1981, Ph.D.
Judy Goldberg	1983, Ph.D.
Susan Shaw Delanty	1990, Ph.D.
Vicki Hammer (UC Davis)	1991
Stephanie Greene (UC Davis)	1993

**Postdoctoral Fellows: at Columbia University**

Dr. Eino Heitanen	1975-76
Dr. Margot Cleary	1976-78
Dr. Joseph Vasselli	1976-78
Dr. Kathy Jen	1977-78

**Postdoctoral Fellows: at Vassar College**

Dr. Ann Goldstein	1979-81
Dr. Carol Maggio	1979-81
Dr. Janet Gray	1980-83
Dr. Francine Bourgeois	1981
Dr. David West	1983-87
Dr. Roland Savard	1983-86
Dr. Ruth Kava	1984-86
Dr. Hee Soo Ree	1989-

**Postdoctoral Fellows: at UC Davis**

Dr. Francine Gregoire	1990-1993
Dr. Ann Albright	1991-1993

**INFORMATION ON PAST PH.D. STUDENTS AND POSTDOCTORAL FELLOWS**

Francine Bourgeois	Research Scientist, INSERM, Paris, France
Margot Cleary Ph.D.	Professor, Hormel Institute, University of Minnesota
Ann Goldstein, Ph.D.	Senior Scientist, Hoffman-LaRoche, Inc., Nutley, NJ
Janet Gray, Ph.D.	Professor, Department of Psychology, Vassar College
Rhoda Gruen, Ph.D.	Senior Scientist and Assistant to the Director of Pharmacology, Hoffman-LaRoche
Eino Hietanen, M.D.	Professor, University of Turku, Turku, Finland
Kathy L.C. Jen, Ph.D.	Professor and Chair, Wayne State University
Ruth Kava, Ph.D., R.D.	Director of Nutrition, American Council on Science and Health
Carol Maggio, Ph.D.	Research Associate, Obesity Research Center, Columbia University, New York, NY
Hee Soo Ree, Ph.D.	Research Scientist, Charles Pfizer, Inc.
Roland Savard, Ph.D.	Professor, University of Quebec, Montreal, Canada
Laufey Steingrimsdottir, Ph.D.	Senior Government Scientist, Reykjavik, Iceland
Iris Turkenkopf, Ph.D.	Professor and Provost, Mt. St. Mary College
Joseph R. Vasselli, Ph.D.	Director, Pre-Clinical Pharmacology, The Miles Institute, New Haven, CT
David West, Ph.D.	Director, Mouse Genetics, Parke-Davis, Alameda, CA
Francine Gregoire, Ph.D.	Senior Scientist, Metabolix, Inc., Hayward, CA
Ann Albright, Ph.D.	Director, Division of Diabetes Translation, CDC, Atlanta, Ga.

## PUBLICATIONS

### Selected National Policy Documents for which Dr. Greenwood was primarily responsible or was an author

1. ***Diet and Health: Implications for Reducing Chronic Disease***, National Academy Press, Washington, D.C., 1989, role—Committee member and author
2. ***Science in the National Interest***, Executive Office of the President, Office of Science and Technology, U.S. Government Printing Office, Washington, D.C., 1994 role—primary individual responsible for the final document
3. ***Meeting the Challenge: Health, Safety, and Food for America***, Executive Office of the President, Office of Science and Technology, U.S. Government Printing Office, Washington, D.C. 1995--role, primary person responsible for the final document
4. ***Myths and Tradeoffs; The Role of Tests in Undergraduate Admissions***, National Academy Press, Washington, D.C., 1999—role, Editor
5. ***Communicating Science and Technology in the Public Interest***. The National Science Board, NSB-00-99, Washington, D.C., 1999, role—committee chair and author
6. ***Science and Technology in the National Interest: The Presidential Appointment Process***, National Academy Press, Washington, D.C., 2000—role committee member author
7. ***Making the Nation Safer; The Role of Science and Technology in Countering Terrorism***, The National Academies Press, Washington, D.C, 2002—role, committee member author
8. ***The Neglected "R"; Report of the National Commission on Writing in America's Schools and Colleges***, The College Board, Washington, D.C. 2003—role, committee member author
9. ***The Use of Dietary Supplements by Military Personnel***, National Academies Press, DC --role, Chair of the committee with overall responsibility for report.

### Articles

1. Greenwood, M.R.C., Johnson, P.R., and Hirsch, J. Relationship of age and cellularity to metabolic activity in C57B mice. Proc. Soc. Exp. Biol. Med. 133: 944, 1970.
2. Stern J., Johnson, P.R., Greenwood, M.R.C., Zucker, L.M. and Hirsch, J. Insulin resistance and pancreatic insulin release in the genetically obese Zucker rat. Proc. Soc. Exp. Biol. Med. 139: 66-69, 1972.
3. Johnson, P.R., Stern, J., Greenwood, M.R.C., Zucker, L.M. and Hirsch, J. Effect of early nutrition on adipose cellularity and pancreatic insulin release in the Zucker rat. J. Nutr. 103:738-743, 1973.
4. Greenwood, M.R.C. The regulation of body weight: Developmental, behavioral and physiological considerations. Dissertation. The Rockefeller University, 1973.
5. Greenwood, M.R.C., and Hirsch, J. Postnatal development of adipocyte cellularity in the normal rat. J. Lipid Research 15:474-483, 1974.
6. Greenwood, M.R.C., Quartermain, D., Johnson, P., Cruce, J.A.F., and Hirsch, J. Food motivated behavior in genetically obese and hypothalamic-hyperphagic rats and mice. Physiol. & Beh. 13:687-692, 1974.
7. Cruce, J.A.F., Greenwood, M.R.C., Johnson, P.R. and Quartermain, D. Genetic versus hypothalamic obesity: Studies of intake and dietary manipulations in rats. J. Comp. Physiol. Psychol. 87:295-301, 1974.
8. Stern, J. S. and Greenwood, M.R.C. A review of the development of adipose cellularity in man and animals. Fed. Proc. 33:1952-1955, 1974.

9. Greenwood, M.R.C. Early nutritional influences on development. Symposium on Lipids and Lipid Biochemistry. In: Modification of Lipid Metabolism, ed. Perkins, E.G., Witting, L.A., Academic Press, 1975.
10. Greenwood, M.R.C. and Johnson, P.R. Behavioral correlates of the obese condition. In: Childhood Obesity, ed. Winick, M., Wiley, New York, 1975.
11. Grinker, J.A., Price, J. and Greenwood, M.R.C. Studies of taste in childhood obesity, Hunger: Basic Mechanisms and Clinical Implications. ed. Novin, D., W. Wyrwicka, and G.A. Bray, Haven Press, 1975.
12. Greenwood, M.R.C. and Johnson, P.R. Adipose tissue cellularity and its relationship to the development of obesity in females. In: Nutritional Disorders of American Women, ed. Winick, M. Wiley-Interscience, 1977.
13. Greenwood, M.R.C. and Johnson, P.R. The adipose tissue. In: Morphology (4th ed.), ed. L. Weiss and R.O. Greep, McGraw Hill, pp. 179-203, 1977.
14. Hietanen, E. and Greenwood, M.R.C. A comparison of lipoprotein lipase activity and adipocyte differentiation in growing male rats. *J. Lipid Research* 18:480-490, 1977.
15. Cleary, M.P., Greenwood, M.R.C. and Brasel, J.A. A multifactor analysis of growth in the rat epididymal fat pad. *J. Nutr.* 107:1969-1974, 1977.
16. Lavau, M., Susini, C., Knittle, J., Blanchet-Hirst, S. and Greenwood, M.R.C. A reliable photomicrographic method for determining fat cell size and number: Application to dietary obesity. *Proc. Soc. Exp. Med. Biol.* 156:251-256, 1977.
17. Greenwood, M.R.C., Gruen, R. and Cleary, M.P. Adipose tissue growth and the development of fat cells. In *Recent Advances in Obesity Research II* (ed. G.A. Gray) Newman Ltd., London, 1978.
18. Gruen, R., Hietanen, E. and Greenwood, M.R.C. Increased adipose tissue lipoprotein lipase activity during the development of the genetically obese Zucker rat (*fa/fa*). *Metabolism*, Vol. 27, No. 12(2):1955-1966, 1978.
19. Johnson, P.R., Stern, J.S., Greenwood, M.R.C. and Hirsch, J. Adipose tissue hyperplasia and hyperinsulinemia in Zucker obese female rats: a developmental study. *Metabolism*, Vol. 27, No. 12(2):1941-1954, 1978.
20. Cleary, M.P., Brasel, J.A. and Greenwood, M.R.C. Developmental changes in thymidine kinase, DNA and fat cellularity in Zucker rats. *Amer. J. Physiol.* 236:E508-E518, 1979.
21. Cleary, M.P., Klein, B.E., Brasel, J.A. and Greenwood, M.R.C. Thymidine kinase and DNA polymerase activity during postnatal growth of the epididymal fat pad. *J. Nutr.* 109:48-54, 1979.
22. Greenwood, M.R.C., Cleary, M.R. and Hirsch, J. Genetic obesity in man and rodents. In: *Nutritional Management of Genetic Disorders* (ed. M. Winick), 1979.
23. Gruen, R., Kava, R. and Greenwood, M.R.C. Development of basal lipolysis and fat cell size in the epididymal fat pad of normal rats. *Metabolism* 29:246-253, 1980.
24. Steingrimsdottir, L., Greenwood, M.R.C. and Brasel, J.A. Effect of pregnancy, lactation and a high-fat diet on adipose tissue of Osborne-Mendel rats. *J. Nutr.* 110:600-609, 1980.

25. Steingrimsdottir, L., Brasel, J.A. and Greenwood, M.R.C. Diet, pregnancy and lactation: Effects on adipose tissue, lipoprotein lipase and fat cell size. *Metabolism* 29:837-841, 1980.
26. Cleary, M.P., Vasselli, J.R. and Greenwood, M.R.C. Development of obesity in the Zucker (fa/fa) rat in the absence of hyperphagia. *Amer. J. Physiol.* 238 (Endocrinol. Metab.) E284-E292, 1980.
27. Steingrimsdottir, L., Brasel, J.A. and Greenwood, M.R.C. Hormonal modulation of adipose tissue lipoprotein lipase may alter food intake in rats. *Amer. J. Physiol.* 239:E162-E167, 1980.
28. Vasselli, J.R., Cleary, M.P., Jen, K.C. and Greenwood, M.R.C. Development of food motivated behavior in free feeding and food restricted Zucker fatty (fa/fa) rats. *Physiol. & Beh.* 25:565-573, 1980.
29. Turkenkopf, I.J., Olsen, J.L., Moray, L., Greenwood, M.R.C. and Johnson, P.R. Hepatic lipogenesis in the preobese Zucker rat. *Proc. Soc. Exp. Med. Biol.* 164:530-533, 1980.
30. Sorrette, M.P., Maggio, C.P., Starpoli, A., Boissevain, A.L. and Greenwood, M.R.C. Maternal ethanol intake affects rat organ development despite adequate nutrition. *Neuro Behav. Toxicol.* 2(3):181-188, 1980.
31. Greenwood, M.R.C., Cleary, M.P., Gruen, R., Blase, D., Stern, J.S., Triscari, J., and Sullivan, A.C. Effect of (-)-hydroxycitrate on development of obesity in the Zucker obese rat. *Amer. J. Physiol.* 240:E72-E78, 1981.
32. Gruen, R. and Greenwood, M.R.C. Adipose tissue lipoprotein lipase and glycerol release in fasted Zucker (fa/fa) rats. *Amer. J. Physiol.* 241:E76-E83, 1981.
33. Roth, J.R., Greenwood, M.R.C. and Johnson, P.R. The regenerating fascial sheath in lipectomized Osborne-Mendel rats: morphological and biochemical indices of adipocyte differentiation and proliferation. *Intl. J. Obesity* 5:131-143, 1981.
34. Greenwood, M.R.C., Cleary, M., Steingrimsdottir, L., and Vasselli, J.R. Adipose tissue metabolism and genetic obesity: the LPL hypothesis. *Recent Advances in Obesity Research III*:75-79, 1981.
35. Greenwood, M.R.C. and Vasselli, J.R. The effects of nitrogen and caloric restriction on adipose tissue, lean body mass, and food intake of genetically obese rats: the LPL hypothesis. In *Nutritional Factors: Modulating Effects of Metabolic Processes*, Raven Press, New York, pp. 323-335, 1981.
36. Jen, K.C., Greenwood, M.R.C. and Brasel, J. Sex differences in the effects of high-fat feeding on behavior and carcass composition. *Physiol. & Beh.* 27:161-166, 1981.
37. Triscari, J., Greenwood, M.R.C. and Sullivan, A.C. Regulation of lipid synthesis in hepatocytes from lean and obese Zucker rats. *Metabolism* 30:1135-1142, 1981.
38. Robin, A., Askanazi, J., Greenwood, M.R.C., Carpentier, Y., Gump, F. and Kinney, J. Lipoprotein lipase activity in surgical patients: Influence of trauma and infection. *Surgery* 90:401-408, 1981.
39. Robin, A., Greenwood, M.R.C., Askanazi, J., Elwyn, D.H. and Kinney, J. Influence of total parenteral nutrition on tissue lipoprotein lipase activity during chronic and acute illness. *Annals of Surgery* 194:681-686, 1981.
40. Triscari, J., Greenwood, M.R.C. and Sullivan, A.C. Oxidation and ketogenesis in hepatocytes of lean and obese Zucker rats. *Metabolism* 31:223-228, 1982.
41. Turkenkopf, I.J., Johnson, P.R. and Greenwood, M.R.C. Development of pancreatic and plasma insulin in prenatal and suckling Zucker rats. *Amer. J. Physiol.* 242:E220-E225, 1982.

42. Greenwood, M.R.C., Maggio, C.A., Koopmans, H.S. and Sclafani, A. Zucker fafa rats maintain their obese body composition ten months after jejunoileal bypass surgery. *Intl. J. Obesity* 6:513-525, 1982.
43. Turkenkopf, I.J., Maggio, C.A. and Greenwood, M.R.C. Effect of high fat weanling diets containing either medium-chain triglycerides or long-chain triglycerides on the development of obesity in the Zucker rat. *J. Nutr.* 112:1254-1263, 1982.
44. Gray, J.M. and Greenwood, M.R.C. Time course effects of ovarian hormones on food intake and metabolism. *Amer. J. Physiol.* 243:E407-E412, 1982.
45. Maggio, C. A. and Greenwood, M.R.C. Adipose tissue lipoprotein lipase (LPL) and triglyceride uptake in Zucker rats. *Physiol. & Beh.* 29:1147-1152, 1982.
46. Greenwood, M.R.C. and Johnson, P.R. The adipose tissue. In: *Histology* (5th ed.) ed. Weiss, L., McGraw-Hill, pp. 178-199, 1983.
47. Vasselli, J.R., Harackiewicz, E.H., Maggio, C.A. and Greenwood, M.R.C. Effects of a glucosidase inhibitor (Acarbose BAY G 5421) on the development of obesity and food motivated behavior in Zucker (fafa) rats. *Pharm. Biochem. Behav.* 19:85-95, 1983.
48. Brunzell, J.D. and Greenwood, M.R.C. Lipoprotein lipase and the regulation of body weight. *Biochemical Pharmacology of Metabolic Disease, Vol. I. Obesity* (ed. Curtis-Prior) L. Elsevier/North Holland, pp. 175-199, 1983.
49. Gray, J.M. and Greenwood, M.R.C. Uterine and adipose lipoprotein lipase activity in hormone-treated and pregnant rats. *Amer. J. Physiol.* 245:E132-E137, 1983.
50. Greenwood, M.R.C. and Turkenkopf, I.J. Genetic and metabolic aspects. In *Contemporary Issues in Clinical Nutrition, Vol. 4: Obesity* (ed. Greenwood, M.R.C.) Churchill Livingstone, Inc., New York, NY, pp. 193-208, 1983.
51. Drewnowski, A. and Greenwood, M.R.C. Cream and sugar: Human preferences for high-fat foods. *Physiol. & Beh.* 30:629-633, 1983.
52. Walberg, J., Greenwood, M.R.C. and Stern, J. Lipoprotein lipase activity and lipolysis after swim training in obese Zucker rats. *Amer. J. Physiol.* 245:R706-712, 1983.
53. Björntorp, P., Yang, M. and Greenwood, M.R.C. Refeeding after fasting in the rat: effects of carbohydrate. *Amer. J. Clin. Nutr.* 37:396-402, 1983.
54. Maggio, C.A., Greenwood, M.R.C. and Vasselli, J.R. The satiety effects of intragastric macronutrient infusions in fatty and lean Zucker rats. *Physiol. & Beh.* 31:367-372, 1983.
55. Stein, L.J., Dorsa, D., Baskin, D., Figlewicz, D.P., Ikeda, H., Frankman, S.P., Greenwood, M.R.C., Porte Jr., D. and Woods, S.C. Immunoreactive insulin levels are elevated in the cerebrospinal fluid of genetically obese Zucker rats. *Endocrinology* 113:2299-2301, 1983.
56. Greenwood, M.R.C. (ed.) *Contemporary Issues in Clinical Nutrition: Volume 4, Obesity.* Churchill Livingstone, N.Y., 1983.
57. Callaway, C.W. and Greenwood, M.R.C. Progress in characterizing human obesities. *Nutrition News* 46:9-12, 1984.
58. Greenwood, M.R.C. Enzymatic alterations in the obese: long or short term regulatory errors? *Intl. J. Obesity.* 8:561-569, 1984.

59. Gruen, R.K. and Greenwood, M.R.C. Early development and maintenance of obesity: Environmental and genetic factors. In: *Controversies in Obesity* (ed. B.C. Hansen) Praeger Press, pp. 58-90, 1984.
60. Gray, J.M. and Greenwood, M.R.C. Effect of estrogen on lipoprotein lipase activity and cytoplasmic rogestin binding sites in lean and obese Zucker rats. *Proc. Soc. Exp. Biol. Med.* 175:374-379, 1984.
61. Baskin, D.G., Stein, L.J., Ikeda, H., Woods, S.C., Figlewicz, D.P., Porte Jr., D., Greenwood, M.R.C. and Dorsa, D. Genetically obese Zucker rats have abnormally low brain insulin content. *Life Sciences* 36:627-633, 1985.
62. Drewnowski, A., Brunzell, J.D., Sande, K., Iverius, P.H. and Greenwood, M.R.C. Sweet tooth reconsidered: taste responsiveness in human obesity. *Physiol. & Beh.* 35:617-622, 1985.
63. Goldstein, A.L., Greenwood, M.R.C., Johnson, P.R., Palmer, J.E., Turkenkopf, I.J. and Francendese, A. Adipoblasts from the Zucker fafa rat. *Intl. J. Obesity* 9(1):55-60, 1985.
64. Greenwood, M.R.C. Normal and abnormal growth and maintenance of adipose tissue. *Recent Advances in Obesity Research IV*:20-25, 1985.
65. Callaway, C.W. and Greenwood, M.R.C. Methods for characterizing human obesities: A progress report. *Recent Advances in Obesity Research 4*:138-143, 1985.
66. Greenwood, M.R.C. Adipose tissue: Cellular morphology and development. *Ann. Int. Med.* 103(6):996-999, December 1985.
67. Greenwood, M.R.C., Savard, R., West, D.B., and Gray, J.M. The effects of sex hormones and pregnancy on the regulation of adipose tissue metabolism in rats. In: *Metabolic Complications of Human Obesities*, eds. J. Vague et. al., Elsevier Science Publishers, pp. 131-139, 1985.
68. Greenwood, M.R.C. The relationship of enzyme activity to feeding behavior in rats: lipoprotein lipase as the metabolic "gatekeeper." *Intl. J. Obesity* 9(1):67-70, 1985.
69. Baum, D., Beck, R.A., Hammer, L.D., Brasel, J.A., and Greenwood, M.R.C. Adipose tissue thymidine kinase activity in man. *Pediatric Research* 20:118-121, 1986.
70. Savard, R., Palmer, J.E. and Greenwood, M.R.C. Effects of exercise training on regional adipose tissue metabolism in pregnant rats. *Amer. J. Physiol.* 250:R837-R844, 1986.
71. Brownell, K.D., Greenwood, M.R.C., Stellar, E., and Schragar, E. The Effects of Repeated Cycles of Weight Loss and Regain in Rats. *Physiol. & Beh.* 38:459-464, 1986.
72. Figlewicz, D.P., Dorsa, D.M., Stein, L.J., Baskin, D.G., Paquette, T., Greenwood, M.R.C., Woods, S.C. and Porte, D. Brain and liver insulin binding is decreased in Zucker rats carrying the fa gene. *Peptides* 7:61-65, 1986.
73. Michaelis, O.E., Ellwood, K.C., Tulp, O.L., and Greenwood, M.R.C. Effect of feeding sucrose or starch diets on parameters of glucose tolerance in the LA/N corpulent rat. *Nutrition Research* 6:95-99, 1986.
74. Florant, G.L. and Greenwood, M.R.C. Seasonal variations in pancreatic function in marmots: The role of pancreatic hormones and lipoprotein lipase in fat deposition. In: *Living in the Cold. Physiological and Biochemical Adaptations*, eds. Heller et. al., Elsevier Science, pp. 273-280, 1986.
75. Feist, D., Florant, G.L., Greenwood, M.R.C. and Feist, C. Regulation of energy stores in arctic ground squirrels: Brown fat thermogenic capacity, lipoprotein lipase and pancreatic hormones during fat deposition. In: *Living in the Cold: Physiological and Biochemical Adaptations*, eds. Heller et. al., Elsevier Science, 1986.

76. Ikeda, H., West, D.B., Pustek, J.J., Figlewicz, D.P., Greenwood, M.R.C., Porte, D. and Woods, S.C. Intraventricular insulin reduces food intake and body weight of lean but not obese Zucker rats. *Appetite* 7:381-386, 1986.
77. West, D.B., Greenwood, M.R.C., Sullivan, A.C., Prescod, L., Marzullo, L.R. and Triscari, J. Infusion of cholecystokinin between meals into free-feeding rats fails to prolong the intermeal interval. *Physiol. & Beh.* 39:111-115, 1987.
78. Greenwood, M.R.C. and Pittman-Waller, V.A. If thin is in, why are there so many fat Americans? *Obesity Handbook: Complete Guide to Understanding and Treatment*, eds. R. Frankle and M. Yang, Aspen Systems, 1987.
79. Greenwood, M.R.C., Savard, R., West, D.B. and Kava, R. Energy metabolism and nutrient "gating" in pregnancy and lactation. *Recent Advances in Obesity Research* V:266-271, 1987.
80. West, D.B., Prinz, W. A., Francendese, A.A., and Greenwood, M.R.C. Adipocyte blood flow is decreased in obese Zucker rats. *Amer. J. Physiol.* 253:R228-R233, 1987.
81. West, D.B., Greenwood, M.R.C., Marshall, K.A. and Woods, S.C. Lithium chloride, cholecystokinin and meal patterns: evidence that cholecystokinin suppresses meal size in rats without causing malaise. *Appetite* 8:221-227, 1987.
82. Greenwood, M.R.C., Kava, R.A., West, D.B., and Savard, R. Fat distribution and metabolism in animal studies. In: *Fat Distribution Factors During Growth and Later Health Outcomes*, Bouchard, C. and Johnston, F.E. (eds), Alan Liss, New York, NY, pp. 285-295, 1988.
83. Reed, D., Contreras, R.J., Maggio, C., Greenwood, M.R.C., and Rodin, J. Weight cycling in female rats increases dietary fat selection and adiposity. *Physiol. & Beh.* 42:389-395, 1988.
84. Turkenkopf, I.J., Chow, G., East-Palmer, J., Greenwood, M.R.C. and Johnson, P.R. Regional and genotypic differences in stromal-vascular cells from obese and lean Zucker rats. *Intl. J. Obesity* 12:515-524, 1988.
85. Savard, R., Smith, L.J., Palmer, J.E. and Greenwood, M.R.C. Site specific effects of acute exercise on muscle and adipose tissue metabolism in sedentary female rats. *Physiol. & Beh.* 43:65-71, 1988.
86. Savard, R. and Greenwood, M.R.C. Site specific adipose tissue responses to endurance training in female lean Zucker rats. *J. Appl. Physiol.* 65:693-699, 1988.
87. Greenwood, M.R.C., Kava, R., West, D.B., and Lukasik, V.A. Wistar fatty rat: a sexually dimorphic model of human noninsulin-dependent diabetes. In: *Frontiers in Diabetes Research: Lessons from Animal Diabetes II* (ed. by Shafrir, E. and Renold, A.), John Libbey Co. Ltd, pp. 316-318, 1988.
88. Greenwood, M.R.C. Sexual dimorphism and obesity. *Proceedings of the 1986 Annual Meeting of the Academy of Behavioral Medicine Research: "Eating, Sleeping and Sex."* *Diabetes* Vol. 38, pp. 31-37, February 1989.
89. Kava, R.K., West, D.B., Lukasik, V.A. and Greenwood, M.R.C. Sexual dimorphism of hyperglycemia and glucose tolerance in Wistar fatty rats. *Diabetes* 38:159-163, 1989.
90. Drewnowski, A., Shrager, E., Lipsky, C., Stellar, E. and Greenwood, M.R.C. Sugar and fat: sensory and hedonic evaluation of liquid and solid foods. *Physiol. & Beh.* 45:177-183, 1989.
91. Latteman, D.F., Schwartz, M., Baskin, D., Greenwood, M.R.C. and Porte Jr., D. Altered in vivo regulation of insulin binding in Zucker rats. *Intl. J. Obesity* 13:400, 1989.

92. Wilcox, B.J., Corp, E.S., Dorsa, D.M., Figlewicz-Latteman, D.P., Greenwood, M.R.C., Woods, S.C. and Baskin, D.G. Insulin binding in the hypothalamus of lean and genetically obese Zucker rats by quantitative autoradiography. *Peptides*, 10:1159-1164, 1989.
93. West, D.B., Prinz, W.A. and Greenwood, M.R.C. Regional changes in adipose tissue blood flow and lipoprotein lipase activity in the rat after a meal. *Amer. J. Physiol.* 257:R711-716, 1989.
94. Greenwood, M.R.C. and Johnson, P.R. The Role of Undergraduate Research Colleges in the Education of Future Nutrition Scientists. In: *Frontiers in the Nutrition Sciences*, pp. 209-219. National Academy Press, Washington, D.C., 1989.
95. Schwartz, M.W., Figlewicz, D.F., Kahn, S.E., Baskin, D.G., Greenwood, M.R.C. and Porte Jr., D. Insulin binding to brain capillaries is reduced in genetically obese, hyperinsulinemic Zucker rats. *Peptides* 11:467-472, 1990.
96. Figlewicz, D., Szot, P., Greenwood, M.R.C. Insulin stimulates inositol incorporation in hippocampus of lean but not obese Zucker rats. *Physiol. & Beh.* 47:325-330, 1990.
97. Johnson, P.R., Spiegelman, B., Rosen, B., Turkenkopf, I., Ree, H. and Greenwood, M.R.C. Reduced adipin mRNA and circulating adipin protein are modulated by adrenal steroids in obese Zucker rats. *Amer. J. Physiol.*, 259:R184-188, 1990.
98. Kava, R., Peterson, R.G., West, D.B., and Greenwood, M.R.C. Wistar Diabetic Fatty Rat. *ILAR News* 32:9-13, 1990.
99. Kava, R., Greenwood, M.R.C., and Johnson, P.R. Zucker (fa/fa) Rat. *ILAR News* 32:4-8, 1990.
100. Rodin, J., Radke-Sharpe, N., Rebuffé-Scrive, M. and Greenwood, M.R.C. Weight cycling and fat distribution. *Intl. J. Obesity* 14:303-310, 1990.
101. Gerardo-Gettens, T., Miller, G.D., Horwitz, B.A., McDonald, R.B., Brownell, K.D., Greenwood, M.R.C., Rodin, J., and Stern, J.S. Exercise decreases fat selection in female rats during weight cycling. *Amer. J. Physiol.*, 260:R518-R524, 1990.
102. Johnson, P.R., Greenwood, M.R.C., Horwitz, B.A., and Stern, J.S. Animal Models of Obesity: Genetic Aspects. In: *Ann. Rev. Nutrition*, (ed. by Olsen, R.), 11:325-353, 1991.
103. Johnson, P.R. and Greenwood, M.R.C. Molecular and Cellular Aspects of fafa Obesity. In: *Progress in Obesity Research 1990*, (ed. Oomura, Y., et al.), John Libbey and Co., Ltd., pp. 423-429, 1991.
104. Turkenkopf, I.J., Kava, R.A., Feldweg, A., Horowitz, C., Greenwood, M.R.C., and Johnson, P.R. Zucker and Wistar Diabetic Fatty rats show differential response to adrenalectomy. *Amer. J. Physiol.* 261:R912-R919, 1991.
105. Savard, R., Ramenofsky, M., and Greenwood, M.R.C. A North-Temperate migratory bird: A model for the fate of lipids during exercise of long duration. *Can. J. Physiol. Pharmacol.*, 69:1443-1447, 1991.
106. Fried, S.K., Turkenkopf, I.J., Goldberg, I.J., Doolittle, M.H., Kirchgessner, T.G., Schotz, M.C., Johnson, P.R., and Greenwood, M.R.C. Mechanisms of increased lipoprotein lipase in fat cells of obese Zucker rats. *Amer. J. Physiol.* 261:E653-E660, 1991.
107. Stein, L.J., Stellar, E., West, D.B., Greenwood, M.R.C., Foster, G.D., Feurer, I., Brown, J., Mullen, J.L. and Brownell, K.D. Early onset repeated dieting reduces food intake and body weight but not adiposity in dietary-obese female rats. *Physiology and Behavior* 51:1-6, 1991.

108. Kava, R.A., West, D.B., Lukasik, V.A., Wypijewski, C., Wojnar, Z., Johnson, P.R., and Greenwood, M.R.C. The effects of gonadectomy on glucose tolerance of genetically obese (fafa) rats: Influence of sex and genetic backgrounds. *Intl. J. Obesity* 16:103-111, 1992.
109. Greenwood, M.R.C., Johnson, P.R., and Karp, R.J. Obesity in disadvantaged children. In: *Malnourished Children: Caught in the Cycle of Poverty*, (ed. Karp, R.J.). Springer Pub. Co. 1992.
110. Grunberg, N.E., Greenwood, M.R.C., Collins, F., Epstein, L., Hatsukami, D., Nisura, R., O'Connell, K., Pomerleau, O., Ravussin, E., Rolls, B., Audrian, J., and Coday, M. Task Force 1: Mechanisms relevant to the relations between cigarette smoking and body weight. *Health Psychology*, 11 (suppl), 4-9. 1992.
111. Gregoire, F.M., Magrum, L., Johnson, P.R. and Greenwood, M.R.C. Positive modulation of the adipoconversion of adipoblasts derived from genetically obese Zucker rats by sodium butyrate. *Obesity Research* 2:1993.
112. Greenwood, M.R.C. and Johnson, P.R. Genetic differences in adipose tissue metabolism and regulation. *Annals of the N.Y. Acad. of Sciences* 676:253-269, 1993.
113. Albright, A.L., Gregoire, F., Greene, S., Gaudette, K., Johnson, P.R., and Greenwood, M.R.C. Studies in the Wistar Diabetic Fatty rat (fafa) : A model of noninsulin-dependent diabetes mellitus. *Lessons in Animal Diabetes V.* (ed. E. Shafrir). 1993.
114. Greenwood, M.R.C. and Sunell, L.A. The Graduate School in the Modern University or The Academy of the 21st Century: Changing, Reforming or Just Plain Scared? *Communicator Council of Graduate Schools*. April 1993.
115. Marriott, B.M., Woteki, C.E., Thomas, P.R., and Greenwood, M.R.C. "Should the RDAs for the United States Be Revised?" *New Aspects of Nutritional Status*. Vienna: Basel, Karger, No. 51, pp 180-182. 1994.
116. Greene, S.F., Johnson, P.R., Eiffert, K.C., Greenwood, M.R.C. and Stern, J.S. The male obese wistar diabetic fatty rat is a new model of extreme insulin resistance. *Obesity Research*: 2: 432-443, 1994.
117. Busch, B. Johnson, P.R., Stern, J.S., Greenwood, M.R.C. and Horwitz, B.A. Characteristics of the Obesity Synchome in Zucker-Brown Norway (ZBN) hybrid rats. *Obesity Research* 2:1993.
118. Greenwood, M.R.C. Societal Expectations from Research Universities and the Higher Education System. *Proceedings of Symposium on Reinventing the Research University*, Editor C. Kumar N. Patel, June 22-23, 1994, University of California, Los Angeles, Office of the Vice Chancellor for Research, Los Angeles, pages 31-43.
119. Gregoire F, Magrum L, Johnson J and Greenwood MRC. Positive modulation of the adipoconversion of adipoblasts derived from genetically obese rats by sodium butyrate. *Obesity Research*, 2: 110-116, 1994
120. Greenberg, D., Kava, R., Greenwood, M.R.C. and Smith, G.P. Time course for entry of intestinally infused lipids into blood of rats. *Am. J. Physiol.* 269: R432-R436. 1995.
121. Greenwood, M.R.C. Twenty-First Century Science, *Bulletin of the Medical Library Association*. Medical Library Association, Chicago, IL. Volume 83, No. 1, pp. 8-13, January 1995.
122. Greenwood, M.R.C., Levinson, Rachel E. Continuing Leadership: U.S. Policy on Research and Development. *The Biotechnology Report 1994/95*. Campden Publishing Ltd., Wymnewood, PA.
123. Gregoire, F.M., Johnson, P.R. and Greenwood, M.R.C. Comparison of the adipoconversion of

- preadipocytes derived from lean and obese Zucker rats in serum free cultures. *Int. J. Obesity*. 1995.
124. Greenwood, M.R.C. Partnerships in science education. *Physiologist* 38: 265, 270-272. 1995.
  125. Ramenofsky, Marilyn, Savard, Roland, and Greenwood, M.R.C. Season and diel transitions in physiology and behavior in the migratory dark-eyed junco, *Comparative Biochemistry and Physiology, Part A* 122, pp. 385-397, 1999.
  126. Greenwood, M.R.C., Kovacs North, Karen, and Dollenmayer, Judith, Whose Millennium? The University as a Medium of Culture. *American Behavioral Scientist*, Vol. 42, No. 6, March, 1999.
  127. Greenwood, M.R.C. and Kovacs North, Karen, "Science Through the Looking Glass: Winning the Battles But Losing the War?" *Science Magazine*, Vol. 286, pg. 2072-2078, 1999
  128. Greenwood, M.R.C., Gerardi Riordan, Donna. "Civic Scientist/Civic Duty," *Science Communication*, Vol 23, No. 1, pp. 28-40, September 2001.
  129. Greenwood, M.R.C. "Risky Business: Research Universities in the Post-September 11 Era," *Science and Technology in a Vulnerable World, Supplement to AAAS Science and Technology Policy Yearbook 2003*.
  130. Greenwood, M.R.C., Gerardi Riordan, Donna. "Research Universities in the New Security Environment," *Issues in Science and Technology*, pp. 35-39, Summer, 2002.
  131. Greenwood, M.R.C., Flavanols and the cardiovascular system-Discussion, *Journal of Cardiovascular Pharmacology*; 47: S175-176, 2006
  132. Help not Hype: a white paper, editor. M.R.C. Greenwood, in *Obesity Management*, 2007
  133. Greenwood, M.R.C. The Changing Picture for Women in Science and Higher Education Careers: Glass Ceilings and now a Glass Cliff? In: *Doctoral Education and the Faculty of the Future*, Cornell University Press, in press, 2007
  134. Greenwood, M.R.C. and Woteki, C., "Government's Evolving Role in Addressing Obesity" in *Handbook of Obesity*, eds. Bray, G and Bouchard, C, In press, 2007.
  135. Greenwood, M.R.C. and Oria, M. (editors) *Use of Dietary Supplements by Military Personnel*, National Academy Press, Washington, D.C., 2008
  136. Greenwood, M.R.C, Crawford, Patricia B. and Ortiz, Rudy M., *Legislative Task Force on Diabetes and Obesity Report to the California Legislature*, California, 2009

### **EDITORIALS**

1. Greenwood, M.R.C. Science in the National Interest Editorial. The Journal of NIH Research 6 August 1994.
2. Greenwood, M.R.C. The Scientist. August 1994.
3. Greenwood, M.R.C. Dancing with Wolves. Science, Vol. 271, pg. 1787. March 29, 1996.
4. Greenwood, M.R.C., Women and Minorities in Science, San Francisco Chronicle, April 17, 1996.
5. Greenwood, M.R.C. Desperately Seeking Friends, Science, Vol. 272, pg. 933, May 17, 1996.
6. Greenwood, M.R.C., Raiders of the Last Bastion? Science, Vol. 277, July 11, 1997.
7. Greenwood, M.R.C., Don't Let Spying Hysteria Undercut Science Research, San Jose Mercury News, October 24, 1999.
8. Greenwood, M.R.C., Bush's General Science Budget is Anemic. San Jose Mercury News, March 21, 2001.
9. Greenwood, M.R.C. and Petersen, A., Let Denton's legacy be an end to wounds from glass ceilings. San Jose Mercury News, July 2, 2006
10. Greenwood, M.R.C., Ringold, Gordon, and Kellogg, Doug; Dying for Science? Science, August, 14, 2008

### **Abstracts**

1. Greenwood, M.R.C., Johnson, P.R. and Hirsch, J. The effects of age on the size and metabolic activity of isolated adipose cells from C 57 mice. Fed. Proc. 28:688, 1969.
2. Greenwood, M.R.C., Johnson, P.R., Cruce, J.A.F., Quartermain, D. and Hirsch, J. Is the ability to regulate food intake impaired in genetic obesity? Fed. Proc. 30:579, 1971.
3. Cruce, J.A.F., Greenwood, M.R.C., Johnson, P. and Quartermain, D. Behavioral studies on the genetically obese Zucker rat ("Fatty"). Read at EPA Meetings, April 1971.
4. Cruce, J.A.F., Greenwood, M.R.C., Johnson, P., Quartermain, D. and Hirsch, J. Studies on the genetically obese Zucker rat. Fourth International Conference on the Regulation of Food and Water Intake. Cambridge, England, 1971.
5. Greenwood, M.R.C., Hirsch, J. and Brasel, J.A. Fat cell replication and DNA polymerase activity in normal rats. Fed. Proc. 33:654, 1974.
6. Greenwood, M.R.C., Cleary, M.P., Brasel, J.A., Stern, J.S. and Johnson, P.R. The regulation of fat cell number in normal and obese rats. Fifth International Conference on the Regulation of Food and Fluid Intake. Jerusalem, Israel, 1974.
7. Greenwood, M.R.C., Gibson, E., Glassman, M., Tenney, J., Oetjan, E., and Grinker, J.A. Fat children do not have a "sweet tooth." Presented at Eastern Psychological Meetings, New York, NY, April 1975.
8. Greenwood, M.R.C., Cleary, M. and Brasel, J.A. Cellular proliferation in adipose tissue of normal and obese rats. Recent Advances in Obesity Research: I (ed.) A. Howard, p. 109, Newman Publishing Ltd., 1975.
9. Cleary, M.P., Greenwood, M.R.C., and Brasel, J.A. Thymidine kinase as a measure of adipocyte

- proliferation in normal and obese rats. Fed. Proc. 34:908, 1975.
10. Cleary, M.P., Greenwood, M.R.C. and Brasel, J.A. Enzymes of cellular proliferation during normal and altered nutrition. Lawson Wilkins Pediatric Endocrine Society, April 1975.
  11. Weber, C., Greenwood, M.R.C., Zatrici, A., Hardy, M., Lerner, R. and Reemsma, K. Effects of islet transplantation on growth and glucose homeostasis in diabetic rats. Diabetes 24 (Suppl. 2) 419, 1975.
  12. Cleary, M.P., Klein, B.E., Greenwood, M.R.C. and Brasel, J.A. Proliferative enzymes in adipose tissue of normal and obese rats. Fed. Proc. 35:502, 1976.
  13. Hietanen, E. and Greenwood, M.R.C. Lipoprotein lipase activity in epididymal fat pads of growing rats. Fed. Proc. 35:502, 1976.
  14. Johnson, P.R., Stern, J., Gruen, R., Blanchett-Hirst, S. and Greenwood, M.R.C. Development of adipose depot cellularity, plasma insulin, pancreatic insulin release and insulin resistance in the Zucker obese female rat. Fed. Proc. 35:657, 1976.
  15. Greenwood, M.R.C. and Cleary, M.P. Does fat cellularity play a direct role in determining food intake? Presented at Eastern Psychological Association Meetings, New York, NY, April 1976.
  16. Greenwood, M.R.C. and Hietanen, E. Growth related changes in lipoprotein lipase activity of epididymal fat pads in Zucker rats. American Institute of Nutrition, The American Society for Clinical Nutrition and The Nutrition Society of Canada, at Michigan State University, August 8-11, 1976.
  17. Steingrimsdottir, L., Greenwood, M.R.C. and Brasel, J.A. Effects of high-fat feeding and pregnancy on adipocyte growth in Osborne-Mendel rats. Fed. Proc. 36:1149, 1976.
  18. Greenwood, M.R.C., Cleary, M.P., Blase, D., Gruen, R., Triscari, J., Stern, J.S. and Sullivan, A.C. Effects of hydroxycitrate on adipose tissue development in lean and obese rats. Fed. Proc. 36:1149, 1976.
  19. Sullivan, A.C., Triscari, J., Stern, J.S., Hamilton, J.G. and Greenwood, M.R.C. Lipid metabolism in obese and lean Zucker rats. Fed. Proc. 36:1149, 1976.
  20. Gruen, R. and Greenwood, M.R.C. Glycerol release and lipoprotein lipase (LPL) activity as a function of age and dietary state. Intl. J. Obesity 2:373, 1978.
  21. Vasselli, J. and Greenwood, M.R.C. Elevated sweet preference in meal fed Zucker obese rats. Intl. J. Obesity 2:358, 1978.
  22. Mahoney, B.K. and Greenwood, M.R.C. Adipose cellularity as a prediction of responsiveness to treatment for obesity. Intl. J. Obesity 2:365, 1978.
  23. Cleary, M.P., Vasselli, J., Jen, C. and Greenwood, M.R.C. Effects of chronic food restriction in the Zucker obese (fafa) rat. Fed. Proc. 37:675, 1978.
  24. Steingrimsdottir, L., Brasel, J.A. and Greenwood, M.R.C. Lipoprotein lipase (LPL) activity in pregnant and lactating, high fat and chow fed Osborne-Mendel rats. Fed. Proc. 37:1978.
  25. Gruen, R. and Greenwood, M.R.C. Abnormal adipose tissue lipoprotein lipase and glycerol release response to fasting in Zucker rats. Fed. Proc. 38:278, 1979.
  26. Sattelberger, D., Tulipan, D., Roth, J., Cleary, M.P., Greenwood, M.R.C. and Johnson, P.R. Primary culture of preadipocytes from obese (fafa) rat. Fed. Proc. 38:547, 1979.

27. Vasselli, J.R., Cleary, M.P. and Greenwood, M.R.C. The effect of lifetime food restriction on food motivation in the Zucker fatty (fafa) rat. Fed. Proc. 38:277, 1979.

28. Cleary, M.P., Vasselli, J.R. and Greenwood, M.R.C. Development of hypercellularity in the Zucker rat (fa/fa) in the absence of hyperphagia. *Fed. Proc.* 38:277, 1979.
29. Steingrimsdottir, L., Brasel, J.A. and Greenwood, M.R.C. Progesterone induced hyperphagia: evidence for peripheral metabolic control. Presented at the Eastern Psychological Meeting, April 1979.
30. Vasselli, J., Cleary, M.P. and Greenwood, M.R.C. The development of hunger in free feeding and food restricted Zucker obese rats. Presented at the Eastern Psychological Meeting, April 1979.
31. Steingrimsdottir, L., Greenwood, M.R.C. and Brasel, J.A. A role for adipose tissue lipoprotein lipase in progesterone induced hyperphagia and fat deposition. *Fed. Proc.* 38:1979.
32. Sorette, M.P., Maggio, C., Starpoli, A., Boissevain, A.L. and Greenwood, M.R.C. Effect on moderate and high maternal alcohol intake on fetal development. *Fed. Proc.* 39:846, 1980.
33. Vasselli, J.R. and Greenwood, M.R.C. Reduced responsiveness of Zucker fatty rats to injected insulin. Presented at the Eastern Psychological Meetings, Hartford, CT, 1980.
34. Turkenkopf, I., Maggio, C., Jensen, K. and Greenwood, M.R.C. High fat diets containing medium-chain triglycerides lower lipoprotein lipase activity and reduce obesity in young Zucker (fa/fa) rats. Presented at the Third International Congress on Obesity, Rome, Italy, October 1980.
35. Triscari, J., Greenwood, M.R.C. and Sullivan, A.C. Ketone body production and fatty acid oxidation in lean and obese Zucker rats. Presented at the Third International Congress on Obesity, Rome, Italy, October 1980.
36. Vasselli, J., Haraczkiwicz, E., and Greenwood, M.R.C. The effect of reduced carbohydrate absorption in growing Zucker fatty rats on food intake, body weight and lipid deposition. Presented at the Third International Congress on Obesity, Rome, Italy, October 1980.
37. Turkenkopf, I., Maggio, C. and Greenwood, M.R.C. Medium chain triglycerides reduce weight but not obesity in young (fa/fa) rats. *Fed. Proc.* 40:842, 1981.
38. Robin, A.P., Greenwood, M.R.C., Carpentier, Y.A., Askanazi, I., Elwyn, D.H. and Kinney, I.M. Effect of nutrition on tissue lipoprotein lipase activity. *ASPEN Meetings*, 1981.
39. Robin, A., Carpentier, Y.A., Askanazi, I., Greenwood, M.R.C., Gump, F.E. and Kinney, I.M. Lipoprotein lipase activity in surgical patients. *Soc. of Univ. Surgeons*, 1981.
40. Greenwood, M.R.C., Maggio, C.A., Koopmans, H.S. and Scalfani, A. Zucker (fa/fa) rats maintain obese body composition ten months after intestinal bypass. *Fed. Proc.* 40:888, 1981.
41. Hietanen, E. and Greenwood, M.R.C. The effect of high fat diet on adipose tissue LPL activity in the rat. *Acta. Physiol. Scand.* 109:1980.
42. Gray, J. and Greenwood, M.R.C. Effect of ovarian hormones on hepatic and adipose tissue lipogenesis. Presented at 1981 Endocrine Society Meetings.
43. Turkenkopf, I., Johnson, P.R. and Greenwood, M.R.C. Plasma and pancreatic insulin in fetal and suckling preobese and lean Zucker rats. Presented at 1981 Endocrine Society Meetings.
44. Walberg, J.L., Greenwood, M.R.C. and Stern, J.S. Effects of exercise on adipose tissue and muscle metabolism in genetically obese rats (fa/fa). *Medicine and Science in Sports and Exercise* 13:122, 1980.
45. Maggio, C.A., Vasselli, J.R. and Greenwood, M.R.C. The satiating effectiveness of intragastric macronutrient loads in fatty and lean Zucker rats. *EPA*, 1982.

46. Maggio, C.A. and Greenwood, M.R.C. Enhanced clearance and adipose tissue storage of intravenous <sup>14</sup>C-Intralipid in Zucker fatty (fafa) and lean rats. Fed. Proc. 41:459, 1982.
47. Turkenkopf, I.J., Chow, G., Goldstein, A.L. and Greenwood, M.R.C. Fatty (fa) gene effects in utero in Zucker rats. Fed. Proc. 41:459, 1982.
48. Bennett, A.L., Sorette, M.P. and Greenwood, M.R.C. Effect of chronic paternal ethanol consumption on 19 day rat fetuses. Fed. Proc. 41:1982.
49. Tulp, O., Gregory, M.H., Maggio, C.A., Michaelis I.V. and Greenwood, M.R.C. Effect of diet and genotype on growth and adipose cellularity in the Corpulent (CORP) rat: a new model of obesity. Fed. Proc. 41:1982.
50. Upton, D.E., Stern, J.S. and Greenwood, M.R.C. Effects of estrogen administration on lipoprotein lipase activity in obese Zucker rats. Fed. Proc. 41:1982.
51. Michaelis, IV, O.E., Ellwood, K.C., Tulp, O.L. and Greenwood, M.R.C. Effect of dietary sucrose and genotype on metabolic responses of La/N-cp (Corpulent) rats. Fed. Proc. 41:1982.
52. Maggio, C.A., Greenwood, M.R.C. and Vasselli, J.R. Dietary self-selection and development of obesity in Zucker fatty (fafa) rats. Submitted to Joint AIN-ASCN-CSNS Meeting, 1982.
53. Goldstein, A.L., Bourgeois, F., Palmer, J.E., Greenwood, M.R.C. and Johnson, P.R. Lean and obese rat serum do not affect the lipogenic metabolism of cultured adipoblasts from lean and obese Zucker rat epididymal adipose tissue. In Vitro, 1982.
54. Goldstein, A.L., Palmer, J.P., Greenwood, M.R.C. and Johnson, P.R. Adipocyte precursor cultures from lean and obese Zucker rats: Protein synthesis. Presented at Toronto, Canada 1982.
55. Bourgeois, F., Goldstein, A.L., Greenwood, M.R.C. and Johnson, P.R. Lipogenic metabolism of cultured adipoblasts from obese and lean Zucker rat epididymal adipose tissue. Fed. Proc. 41:1982.
56. Drewnowski, A. and Greenwood, M.R.C. Cream and sugar: Hedonic ratings for multi-attribute stimuli. Psychonomic Society, 1982.
57. Maggio, C.A., Greenwood, M.R.C. and Vasselli, J.R. The effect of lifelong macronutrient selection on food intake and development of obesity in the Zucker rat. EPA, 1983.
58. Drewnowski, A. and Greenwood, M.R.C. Cream and sugar: Human preferences for high-fat foods. Fed. Proc. 1983.
59. Baum, D., Beck, R., Brasel, J. and Greenwood, M.R.C. Thymidine kinase activity (TK) in human adipose tissue development. Submitted to Society for Pediatric Research, 1982.
60. Courtney, N.D., Greenwood, M.R.C., Goehler, L.E., Brunzell, J.D. and Woods, S.C. Lipoprotein lipase activity decreases in the enervated fat pad. IV Intl. Congress on Obesity, New York, NY, October 1983.
61. Drewnowski, A., Brunzell, J.D., Sande, K., Iverius, P.H. and Greenwood, M.R.C. Cream or sugar: Obese subjects' preferences for sweetened high fat foods. IV Intl. Congress on Obesity, New York, NY, October 1983.
62. West, D.B., Diaz, J., Bowen, D.S., Greenwood, M.R.C. and Woods, S.C. The nature of the pre-weaning diet may have a permanent effect upon adiposity in rats. IV Intl. Congress on Obesity, New York, NY, October 1983.

63. Maggio, C.A., Greenwood, M.R.C. and Vasselli, J.R. Behavioral and metabolic aspects of lifelong macronutrient selection in Zucker obese (fafa) rats. IV Intl. Congress on Obesity, New York, NY, October 1983.
64. Stein, L.J., Greenwood, M.R.C., Porte Jr., D. and Woods, S.C. Decreased plasma/CSF IRI ratio (PCR) in genetically obese and aged lean rats. IV Intl. Congress on Obesity, New York, NY, October 1983.
65. Turkenkopf, I.J., Chow, G., Palmer, J., Greenwood, M.R.C. and Johnson, P.R. Genotype and site differences in adipoblasts from Zucker rats in primary culture. Fed. Proc. 43:797, 1984.
66. West, D.B., Greenwood, M.R.C., Bowen, D., Diaz, J. and Woods, S.C. Rearing of rats by intragastric infusion of an atypical milk formula leads to a marked increase of fat depot size at weaning due to larger fat cells. FASEB, 1984.
67. Greenwood, M.R.C. Metabolic abnormalities in obesity. American Chemical Society Symposium, 1984.
68. West, D.B., Prinz, W.A., Greenwood, M.R.C. and Francendese, A.A. Differences in adipose tissue blood flow between lean and obese Zucker rats may contribute to a known difference in lipid uptake and storage. NAASO meetings, Seattle, WA, 1984.
69. Savard, R., Palmer, J.E. and Greenwood, M.R.C. The effects of endurance training on pregnant lean Zucker rats. NAASO meetings, Seattle, WA, 1984.
70. Drewnowski, A., Brunzell, J.D., Sande, K., Iverius, P.H. and Greenwood, M.R.C. Sweet tooth reconsidered: Taste responsiveness in human obesity. EPA, 1984.
71. Schraeger, E., Drewnowski, A., Greenwood, M.R.C., Lipsky, G. and Scharer, C. Hedonic responses to sucrose and fat in standard food units. EPA, 1984.
72. Savard, R., Palmer, J.E., Raley, S. and Greenwood, M.R.C. The effects of endurance exercise training on adiposity and fetal development in lean pregnant rats. Fed. Proc. 44(4):1280, 1985.
73. Prinz, W.A., West, D.B., Prescod, L. and Greenwood, M.R.C. Blood volume is reduced in adipose tissue of obese Zucker rats. Fed. Proc. 44(3):547, 1985.
74. West, D.B., Prinz, W.A., Francendese, A.A., and Greenwood, M.R.C. Triglyceride infusion reduces adipose tissue blood flow (ATBF) in rats. Fed. Proc. 44(3):547, 1985.
75. Nordin, G., Greenwood, M.R.C., Agardh, C.D. and Nilsson-Ehle, P. Thermogenesis and glucose metabolism in lean and obese Zucker rat adipocytes. Fed. Proc. 44(5):1678, 1985.
76. Savard, R. and Greenwood, M.R.C. The effects of endurance training during pregnancy are site specific and influenced by the genetic background. ACSS/CASS meetings, Quebec City, October 24-26, 1985.
77. Smith, L.J., Savard, R. and Greenwood, M.R.C. Regional muscle and adipose tissue metabolic differences in the response to exercise in rats. ACSS/CASS meeting, Quebec City, Canada, October 24-26, 1985.
78. Savard, R., Palmer, J.E., Calvin, J.G. and Greenwood, M.R.C. The genetic background influences the effects of exercise training during pregnancy. Intl. J. Obesity 9(4):A91, 1985.
79. Feist, D., Florant, G., Greenwood, M.R.C. and Feist, C. Regulation of energy stores in arctic ground squirrels: Brown fat thermogenic capacity, lipoprotein lipase and pancreatic hormones during fat deposition and hibernation. Amer. J. Physiol. 249, 1985.
80. Kava, R., West, D.B. and Greenwood, M.R.C. A high fat diet decreases glucose tolerance in genetically

obese Wistar Kyoto and Zucker female rats. *Intl. J. Obesity* 9(4):A54, 1985.

81. Florant, G.L. and Greenwood, M.R.C. Seasonal variations in pancreatic function in marmots: The role of pancreatic hormones and lipoprotein lipase in fat deposition. *Amer. J. Physiol.* 249:1985.
82. Savard, R., Palmer, J.E., Calvin, J. and Greenwood, M.R.C. The effects of genetic background on fat deposition during pregnancy. *Fed. Proc.* 45(3):603, 1986.
83. Kava, R., West, D.B., Lukasik, V., Prinz, W.A. and Greenwood, M.R.C. Pregnancy alters blood flow to brown and white adipose tissue in the lean Zucker rat. *Fed. Proc.* 45(3):603, 1986.
84. West, D.B., Prinz, W.A., Heyman, W. and Greenwood, M.R.C. Adipose tissue blood flow (ATBF) decreases immediately after a meal in rats. *Fed. Proc.* 45(3):350, 1986.
85. Prinz, W.A., West, D.B., Cohen, A., Silverberg, S. and Greenwood, M.R.C. Intraarterial insulin infusion reduces adipose tissue blood flow (ATBF). *Fed. Proc.* 45(3):601, 1986.
86. West, D.B., Marshall, K.A., Greenwood, M.R.C. and Triscari, J. Chronic meal-contingent infusion of cholecystokinin and chlorocitrate into free-feeding rats reduces food intake and lowers body weight. IXth International Conference on the Physiology of Food and Fluid Intake, July 7-11, 1986.
87. Savard, R., Palmer, J.E. and Greenwood, M.R.C. The effects of genetic background in response to pregnancy and endurance training in liver and skeletal muscle. Ottawa, Canada, October 22-25, 1986.
88. West, D.B. and Greenwood, M.R.C. The effect of defined diets on early adipose tissue development. *Intl. J. Obesity* 11(2):52, 1987.
89. Kava, R., West, D.B., Lukasik, V., Turkenkopf, I. and Greenwood, M.R.C. A high sucrose diet impairs glucose tolerance in a sexually dimorphic manner in the Wistar Kyoto fatty rat. *Intl. J. Obesity* 11(2):92, 1987.
90. Lizotte, J., Greenwood, M.R.C. and Brownell, K. The effects of repeated cycles of fasting and refeeding on male and female rats. EPA, 1986.
91. Lizotte, J., West, D.B., Brown, J.E. and Greenwood, M.R.C. The effects of repeated cycles of restriction in male and female Sprague-Dawley rats. *Fed. Proc.* 46(3):576, 1987.
92. West, D.B., Brown, J.E., Brownell, K. and Greenwood, M.R.C. Regional differences in the mobilization and replenishment of fat stores in repeatedly dieted rats. *Fed. Proc.* 46(3):880, 1987.
93. Kava, R., West, D.B., Lukasik, V.A. and Greenwood, M.R.C. Adipose distribution and the sexual dimorphism of NIDDM in the Wistar Kyoto fatty rat. *Fed. Proc.* 46(3):881, 1987.
94. Lukasik, V.A., Kava, R., West, D.B. and Greenwood, M.R.C. Early effects of obesity and neonatal ovariectomy on growth and glycemia in the Wistar Kyoto fatty rat. *Fed. Proc.* 46(3):1987.
95. Brown, J.E., Lizotte, J., West, D.B., Kava, R., Turkenkopf, I., Stein, L., Brownell, K.D. and Greenwood, M.R.C. Repeated dieting in male rats fails to suppress high fat induced obesity. *Fed. Proc.* 46(3):880, 1987.
96. Sztalryd, C., Greenwood, M.R.C., Chiorazzi, N. and Faust, I.M. A monoclonal antibody approach to the study of adipose tissue abnormalities in Zucker rats. *Fed. Proc.* 46(3):881, 1987.
97. Lizotte, J., Greenwood, M.R.C. and Brownell, K. The effects of repeated cycles of restriction in male and female Sprague-Dawley rats. EPA, 1987.

98. Kava, R., West, D.B., Lukasik, V. and Greenwood, M.R.C. A high sucrose diet impairs glycemia in mature obese male, but not obese female Wistar fatty rats. Geneva, Switzerland, September 1987.
99. Greenwood, M.R.C., Kava, R. and West, D.B. The sexually dimorphic Wistar fatty rat as a model of human non-insulin dependent diabetes mellitus. Geneva, Switzerland, 1987.
100. Kava, R., West, D.B., Savard, R. and Greenwood, M.R.C. Sex differences in glucose tolerance in obese Wistar fatty rats are not related to differences in glucose incorporation into adipocyte triglyceride. *Intl. J. Obesity* 11:420A, 1987.
101. Kava, R., West, D.B., Savard, R. and Greenwood, M.R.C. Sex differences in glucose tolerance in obese Wistar fatty rats are not related to differences in glucose incorporation into adipocyte triglyceride. *Intl. J. Obesity* 11:420A, 1987.
102. Turkenkopf, I.J., Sztalryd, C., East-Palmer, J. and Greenwood, M.R.C. Hyperplastic potential of epididymal fat pad studied in primary culture. *Intl. J. Obesity* 11:459A, 1987.
103. Sztalryd, C., East-Palmer, J., Greenwood, M.R.C. and Faust, I.M. A simple technique to quantify the number of committed preadipocytes in culture. *Intl. J. Obesity* 11:417A, 1987.
104. Sztalryd, C., Francis, A., Greenwood, M.R.C., Johnson, P.R. and Faust, I.M. A method to determine the ratio of early vs. late-stage preadipocytes in primary culture. *FASEB Journal* 2:6501A, 1988.
105. Wexler, E., Kava, R., West, D.B., VonderPorten, A. and Greenwood, M.R.C. Effects of high fat and sucrose diets on glucose tolerance of obese Wistar fatty and Zucker fatty rats. *FASEB Journal* :5382A, 1988.
106. Brown, J.E., Brownell, K.D. and Greenwood, M.R.C. Responsiveness to epinephrine stimulated lipolysis is blunted in rats sensitive to high fat diet-induced obesity. *FASEB Journal* 2:5381A, 1988.
107. Damesek, L.B., Johnson, P.R., Rodin, J., Brown, J. and Greenwood, M.R.C. Effects of inguinal lipectomy on lactation performance in female rats. *FASEB Journal* 2:239A, 1988.
108. Turkenkopf, I.J., East-Palmer, J., Tacinelli, M., Holliday, M., Johnson, P.R. and Greenwood, M.R.C. Growth and differentiation of stromal-vascular cells from obese and lean Zucker rats in primary culture using serum-free medium. NAASO meeting, Banff, Canada, August 1988.
109. Greenwood, M.R.C. The role of adipocyte secretory products in the regulation of nutrient flux. NAASO meeting, Banff, Canada, August 1988.
110. Brown, J.E., Johnson, P.R., Brownell, K.D. and Greenwood, M.R.C. Lipolytic responsiveness predicts susceptibility to diet-induced obesity. NAASO meeting, Banff, Canada, August 1988.
111. West, D.B., Rohlfing, R.L. and Greenwood, M.R.C. Adipose tissue blood flow (ATBF) is reduced during an euglycemic hyperinsulinemic clamp in the rat. *Intl. J. Obesity*, 13(4):85, 1989.
112. Kava, R., Horowitz, C., Feldweg, A., Turkenkopf, I., Johnson, P.R. and Greenwood, M.R.C. Short-term effects of adrenalectomy on adiposity, glycemia and glucose tolerance in obese and lean Zucker rats. *FASEB Journal* 3(3):A756, 1989.
113. Brown, J.E., Johnson, P. and Greenwood, M.R.C. Rate of catecholamine stimulated lipolysis is a predictor of subsequent body fat accumulation. *FASEB Journal* 3(3):3106, 1989.
114. Gerardo-Gettens, T., Miller, G., Greenwood, M.R.C., Brownell, K.D. and Stern, J.S. Dietary fat selection is altered during weight cycling. 1989 FASEB Meeting in New Orleans, LA. *FASEB Journal* 3(3):A1287, 1989.

115. Greenberg, D., Kava, R., Wojnar, Z. and Greenwood, M.R.C. Satiation following intraduodenal infusion of intralipid occurs prior to appearance of <sup>14</sup>C-intralipid in plasma. Society for Neuroscience, 1989.
116. Turkenkopf, I., Feldweg, A., Kava, R., East-Palmer, J., Johnson, P.R. and Greenwood, M.R.C. Adrenalectomy decreases adiposity and alters cellularity in a depot and strain dependent manner in obese Wistar fatty and Zucker rats. *Intl. J. Obesity* 13, 1990.
117. Ree, H.K., Turkenkopf, I., Tacinelli, M., Kava, R., Johnson, P.R. and Greenwood, M.R.C. Adrenalectomy increases level of adipsin mRNA in adipose tissue of obese Zucker rats. *Intl. J. Obesity* 13, 1990.
118. Brown, J.E., Johnson, P.R., Brownell, K. and Greenwood, M.R.C. Regional modulation of adipose tissue lipoprotein lipase activity (LPL) in response to high fat feeding. *Intl. J. Obesity* 13, 1990.
119. Kava, R., Horowitz, C., Wojnar, Z., Turkenkopf, I., Johnson, P.R. and Greenwood, M.R.C. Adrenalectomy alters glucose homeostasis in a strain-dependent manner in Zucker and Wistar fatty rats. *Intl. J. Obesity* 13, 1990.
120. Stern, J., Gerardo, T., Miller, G., Horwitz, B., McDonald, R., Greenwood, M., Rodin, J. and Brownell, K. Exercise alters fat and carbohydrate selection in weight cycling rats. *Intl. J. Obesity* 14(2):24, 1990.
121. Greenwood, M.R.C. and Johnson, P.R. Cellular and molecular aspects of obesity in fatty (fafa) rats. *Intl. J. Obesity* 14(2):17, 1990.
122. Turkenkopf, I., Kava, R., Ree, H., Johnson, P. and Greenwood, M.R.C. Levels of hepatic PEPCCK reflect strain differences between Wistar diabetic fatty and Zucker rats. *Intl. J. Obesity* 14(2):41, 1990.
123. Kava, R., West, D.B., Wypijewski, C., Wojnar, Z. and Greenwood, M.R.C. Neonatal castration improves insulin sensitivity more in obese Zucker than in obese Wistar Diabetic Fatty rats. *FASEB Journal* 4:A918, 1990.
124. Greenberg, D., Kava, R., Lewis, D.R. and Greenwood, M.R.C. Satiation following intraduodenal intralipid precedes appearance of [<sup>14</sup>C]-intralipid in hepatic portal blood. *FASEB Journal* 5:A1451, 1991.
125. Gregoire, F., Gaudette, K., Johnson, P.R. and Greenwood, M.R.C. Adipoblasts from lean and obese Zucker and Wistar diabetic fatty rats show a differential adipose conversion capacity in serum-free primary cultures. *Intl. J. Obesity*, 15(Suppl. 3):14, 1991.
126. Greenwood, M.R.C. and Johnson, P.R. Genetic models of obesity. *Intl. J. Obesity*. 15(Suppl. 3), 1991.
127. Kava, R., Greenberg, D., Lewis, D.R., Greenwood, M.R.C. Distribution of radioactivity among plasma lipids following intraduodenal <sup>14</sup>L-Intraliid infusion. *Intl. J. Obesity*, 15(3):39, 1991.
128. Greene, S.F., Eiffert, K., Greenwood, M.R.C., Johnson, P.R. and Stern, J.S. High sucrose diet alter insulin receptor numbr and binding affinity and tyrosine kinase activity in Wistar Diabetic Fatty (WDF) rats. *FASEB J.* 6:A1647, 1992.
129. Stern, J.S., Greene, S.F., Greenwood, M.R.C. and Johnson, P.R. Muscle insulin receptor tyrosine kinase (TK) activity and adipose cellularity is altered in male obese Wistar diabetic fatty (WDF) rats. *Intn'l J. Obesity*, Vol. 16 (Suppl. 1), p. 173, 1992.

130. Gregoire, F., F. Gaudette, Johnson, P.R., and Greenwood, M.R.C. Analysis of the adiposoconversion of adipoblasts derived from lean and obese Zucker rats in serum-free culture. *Int. J. Obesity* 16:8, 1992.
131. Gregoire, F., Gaudette, K., Magrum, L., Johnson, P.R. and Greenwood, M.R.C. Inguinal and epididymal adipoblasts derived from lean and obese Zucker rats display a differential adiposoconversion capacity in serum-free medium. *FASEB Summer Conf.* 1992.
132. Greene, S.F., Stern, J.S., Johnson, P.R., and Greenwood, M.R.C. Muscle insulin receptor tyrosine kinase (TK) activity is directly related to plasma glucose and insulin concentrations in male Wistar Diabetic Fatty (WDF) rats. *Diabetes*. 41:144A, 1992
133. Gregoire, F., Magrum, L., Johnson, P.R. and Greenwood, M.R.C. Adipoblasts derived from genetically obese Zucker and Wistar Diabetic Fatty rats can be terminally differentiated into adipocytes by sodium butyrate. *Obesity Res* 1 (Suppl 1):105, 1992.
133. Greenwood, M.R.C. and Woteki, C., Cocoa, nutrition and health: new evidence, the Ninth Benjamin Franklin-Lafayette Seminar, Frejus, France, June 2006.

#### **PARTIAL LIST OF INVITED ADDRESSES**

Early Nutritional Influences on Development, American Chemical Society, Atlantic City, NJ, Fall 1974

Symposium on Genetic Diseases and Birth Defects, Galveston, TX, Spring 1975

Symposium on Childhood Obesity, National Dairy Council, Somerville, NJ, Fall 1975

Symposium on Women and Weight, Governors State College, Park Forest, IL, February 22, 1975

Symposium on Nutritional Disorders of American Women, New York, NY, November 1975

Symposium on Current Nutritional Issues, National Dairy Council, Akron & Toledo, OH, Spring 1976

Biochemical and Behavioral Correlates in Obesity, Symposium of the American Behavioral Therapy Society, San Francisco, CA, December 1975

Obesity: Too Many Fat Cells or Too Much Food? North Shore Hospital, May 1976

Conference on World Hunger, Workshop on Obesity, Norfolk, VA, May 1976

Nutrition Symposium Series, SUNY Medical School at Buffalo, NY, February 1976

Symposium on Peripheral Control of Food Intake, Eastern Psychological Association Meeting, April 1976

Development of an Enzyme Profile for Obesity, Cornell University Department of Nutrition, September 1976

Lipoprotein Lipase in Adipose Tissue from Normal and Obese Rats. The Obesity Center, St. Luke's Hospital, New York, NY, October 1976

Symposium for Medical Professionals at Rutgers Medical School, New Brunswick, NJ, January 1977

Symposium of Brooklyn College Psychology Department, CUNY at Brooklyn, NY, January 1977

Workshop on the Effects of Fetal and Infant Nutrition. Fogarty Center Conference, National Institutes of Health, Washington D.C., February 1977

Symposium on Human Taste and Feeding, Eastern Psychological Association Meeting, Boston, MA, April 1977

Seminar at the Laboratory of Dr. Michael Schotz, Veterans Administration Hospital, UCLA, Los Angeles, CA, April 1977

Symposium on Obesity and Treatment, Downstate Medical School, Brooklyn, NY, May 1977

Symposium on Current Aspects of Obesity Research, American Oil Chemists Society, New York, NY, May 1977

Symposium on Obesity and Fat Cellular Development. National Dairy Council and Westchester Dieticians, Westchester Community College, June 1977

Nutrition Conference at SUNY at Oneonta, Oneonta, NY, July 1977

Adipose Tissue Development, Second International Congress on Obesity, Washington D.C., October 1977

Obesity: A Task Force Analysis, Fogarty Center Conference, National Institutes of Health, Washington, D.C., October 1977

Symposium on Obesity, Long Island University, Long Island, NY, November 1977

Symposium on Nutritional Management of Genetic Disorders, Institute of Human Nutrition, Hilton Hotel, New York, NY, November 1977

Kroc Foundation Symposium on Insulin Insensitivity, February 1978

Department of Medicine Seminar, University of Washington, Seattle, WA, February 1978

Women in Science Convocation Address, St. Olaf College, Northfield, MN, January 1978

Columbia University Faculty Seminar Presentation, January 1979

Nutrition and Journalism: Columbia University School of Journalism, March 1979

Chairman: Obesity Session, Federation of American Societies for Experimental Biology, April 1979

Obesity Lecture to Cornell University Medical Students, April 1979

Regulation of Adipose Tissue Growth, University of Massachusetts, May 1979

Obesity: Health vs. Weight, Kean College Symposium, Kean College, NJ, June 1979

Pediatric Obesity, Department of Pediatric Cardiology, Stanford University, Stanford, CA August 1979

Current Perspectives on the Behavioral - Metabolic Axis in Obesity, American Psychological Association Symposium, September 1979

Symposium on Public Policy and Preventive Nutrition, University of Tennessee, Knoxville, TN, May 1979

Fat Cells in Culture, University of Toronto, July 1979

Is Obesity an Inborn Error of Metabolism, Yale University, New Haven, CT, October 1979

Women in Science, St. Olaf College, Northfield, MN, November 1979

Basil O'Connor Symposium, Enzyme Alterations in Genetic Obesity, Key Biscayne, FL, November 1979

Childhood Obesity, Johns Hopkins University, School of Public Health, Baltimore, MD, February 1980

Peripheral Modulation of LPL May Alter Feeding Behavior, Seminar on Appetitive Behavior, New York, NY, February 1980

Obesity: Nature or Nurture, Ohio Nutrition Council, March 1980

Development of Obesity in the Absence of Hyperphagia, The Sugar Association Symposium, Scottsdale, AZ, March 1980

The Relationship Between Overeating and the Development of Adipose Tissue, University of Georgia, Athens, GA, May 1980

Symposium on Nitrogen Economy, XIII Miles Symposium, June 1980

Adipose Tissue Development and Metabolism, Gothenburg, Sweden, October 1980

The LPL Hypothesis, Third International Congress on Obesity, Rome, Italy, October 1980

The Development of Genetic Obesity, University of Geneva, Geneva, Switzerland, October 1980

The LPL Hypothesis, Collège de France, Paris, France, October 1980

Childhood Obesity, Hotel Bichôt, Paris, France, October 1980

Developmental Obesity: A metabolic hypothesis, Northeast AOCs Meetings, December 1980

Pediatric Concerns in Obesity, Western Ohio Pediatric Society, March 1981

Grand Rounds, Pediatrics, Wright State University Medical School, March 1981

Genetic Obesity: A Central or Peripheral Defect? Monell Chemical Senses Center, Philadelphia, PA, July 1981

Central or Peripheral Effects of the fa gene, University of Pennsylvania, Feeding Seminar, December 1981

Familial Obesity, Inherited or Learned, Grand Rounds, Stanford University Medical School, Department of Pediatrics, February 1982

Genetic Obesity, Lecture to University of Washington Medical School Medical Students, Seattle, WA, February 1982

LPL in Genetic Obesity: Cause or Caused? Endocrinology Seminar, University of Washington Medical School, Seattle, WA, March 1982

Macronutrient Preference in Rodents, Seminar in Department of Psychology, University of Washington, Seattle, WA, March 1982

Obesity and Pregnancy: are they related? Nutrition Graduate Student Seminar, University of Washington, Seattle, WA, April 1982

The genetically obese rat: a model for the peripheral regulation of feeding behavior, Symposium address, Eastern Psychological Meetings, Baltimore, MD, April 1982

Five Lectures on Obesity at the Continuing Education Medical Course on Obesity, University of Washington Medical School, April 1982

Early Development of Obesity, University of Michigan Symposium on Controversies in Obesity, May 1982

Genetic Obesity? Medical College of Virginia, April 1982

Five Lectures on Energy Balance for National Dairy Council, New York State and New Jersey, July 1982

Enzymatic Markers for Obesity, NIH, NAASO meeting, Vassar College, October 1982

ASPEN Meetings, Classification of Obesity, Washington, D.C., February 1983

LPL as a gating mechanism, Rockefeller University Field Station, March 1983

Nutrition and the Changing Woman, Mid Hudson Dieticians, Saratoga Springs, NY, April 1983

Genetic Obesity, St. Lawrence Psychiatric Institute, Ogdensburg, NY, October 1983

"Obesity: Cause or Caused," Department of Biology, Vassar College, May 1983

The Relationship of Enzyme Activity to Feeding Behavior in Obese Rats, Adipose Tissue Satellite Meeting, Vassar College, October 2-4, 1983

Symposium Address, IV International Congress on Obesity, New York, NY, October 5-7, 1983

Symposium Address: Lipid abnormalities and metabolism, Pharmacology Society, FASEB, New Orleans, LA, April 1984

Symposium Address: Sites for Intervention in Lipid Metabolism in Obesity, American Chemical Society, New Orleans, LA, April 1984

Symposium Address: Nutritional Concerns of Women and their Weight, National Dairy Council (New Jersey affiliate) New Brunswick, NJ, May 1984 and September 1984

Symposium Address: Adipose Tissue, Development and Metabolism, Annual Meeting of NAASO and American Heart Association, Seattle, WA, September 1984

Two Continuing Medical Education Lectures, Washington Medical School, Seattle, WA, September 1984

Three Lectures on Obesity, LPL and Behavior, Lund University, Lund, Sweden, November-December 1984

Pregnancy and LPL Activity, University of Gothenburg, Gothenburg, Sweden, November 1984

Symposium Address: Normal and Abnormal Adipose Tissue Morphology and Development, NIH Consensus meeting on Obesity, February 1985

Obesity, Genetic or not? Chicago Nutrition Association, May 1985

Symposium Address: The Effects of Hormonal and Reproductive Status on Regional Adipose Tissue Metabolism, Regional Adipose Tissue meeting, Marseilles, France, May 31-June 2, 1985

Lipoprotein Lipase in Obesity, Nice, France, June 1985

Early Nutrition-Later Obesity? Institute of Human Nutrition, Columbia University, New York, NY, June 1985

Adolescence and Adulthood at the Workshop to Develop the Strategy for the Eleventh Edition of the Recommended Dietary Allowances, Washington, D.C., September 25-27, 1985

If Thin is In, Why are There So Many Fat Americans? Vassar College, Sigma Xi, January 1986

The Role of Genetics in Obesity, Dutchess Community College, March 1986

Lipoprotein Lipase as a Nutrient "Gating" Mechanism in Energy Flux, University of Florida at Gainesville, March 1986

Symposium Speaker: Early Nutrition and the Use of Animal Models in Studying Obesity, FASEB meetings, April 1986

Symposium Speaker: Problems in Weight Loss and Regain, New York State Dietetic Meeting, Utica, NY, May 1986.

Symposium Speaker: The Role of Sexual Dimorphism in Obesity, Academy of Behavioral Medicine Research meeting, Williamsburg, VA, June, 1986

Symposium Speaker: The Role of Sex Differences in the Risk of Obesity, MacArthur Foundation, Palm Beach, FL, June 1986

Symposium Speaker: Early Nutrition and the Long Term Effects on the Development of Obesity, New York Academy of Sciences, New York, NY, June 1986

Early Experiments in the Effects of Weight Cycling on Health, MacArthur Foundation Regional Discussion Meeting, June 1986

Symposium Speaker: Energy Metabolism and Nutrient "Gating" in Pregnancy and Lactation, 5th International Congress on Obesity, Jerusalem, Israel, September 1986

Whatever Happened to Feeding Research, MacArthur Foundation Workshop, Yale University, October 1986

Symposium Speaker: The Role of Fat Taste and Lipid Metabolism in Obesity, National Dairy Council Symposium, University of Michigan, Ann Arbor, MI, November, 1986

Symposium Speaker: Regional Differences in Fat Distribution; Animal Models, Quebec, June 1987

Keynote Speaker: Looking Good and Feeling Good: Are They the Same? Estee Lauder Leadership Conference, Vassar College, June 1987

Symposium Speaker: Lipoprotein lipase and the new molecular biology, Obesity Research Center Minisymposium, Vassar College, June 1987

Conference Speaker: Pregnancy and Adiposity, MacArthur Weight Cycling meeting, Philadelphia, PA, June 1987

Invited Seminar: Energy Metabolism and Regional Fat Distribution in Pregnancy and Lactation, University of Lausanne, Switzerland, September 1987

Symposium Speaker: The New Wistar Fatty Rat as a Model of NIDDM, The Second Conference on Animal Models of Diabetes, Geneva, Switzerland, September 1987

Symposium Speaker: Diet, Metabolism and Regional Adipose Tissue Effects, NAASO Annual Meeting, Boston, MA, October 1988

Symposium Speaker: Sex and Obesity: the Role of LPL, UC Davis, Departments of Nutrition and Genetics, Davis, CA, 1988

Genetic Obesity and Pediatric Concerns, Children's Hospital of Pennsylvania, March 1988

Fat Distribution in Pregnancy, Department of Gynecology, Yale University, April 1988

Two presentations on Feeding Behavior and Obese Rodents, Benjamin Franklin/Lafayette Meeting, LaNapoule, France, June 1988

U.S.-Hungarian Meeting on Diet and Health, "Recent Advances in Pathophysiology of Obesity," Budapest, Hungary, July 1988

ILSI-NF Diet and Behavior Workshop, speaker in session on "Integration of Research Methods in Diet and Behavior," University of Toronto, July 25-27, 1988

Symposium Speaker: Adipocyte Secretory Products and their Functions, NAASO Annual Meeting, Banff, Canada, August 1988

Women, Work and Health, MacArthur Foundation meeting, Stockholm, Sweden, October 1988

Obesity: Good Genes Gone Bad or Bad Genes Emerging? Sigma Xi Lecture, Westchester County Chapter, October 1988

Lipoprotein Lipase and Nutrient "Gating," Endocrine Conference, Columbia University, College of Physicians and Surgeons, January 1989

Regulation of Adipose Tissue Development and Metabolism, Southwest Foundation Symposium, San Antonio, TX, February 1989

Sex Differences in Response to Dietary Fat, New York Dieticians, New York, NY, February 1989

NAS/IOM, Food and Nutrition Board Annual Symposium, "Scientific Basis for Diet and Health Report Conclusions on Energy," February 1989

LPL Modulation, Expression and the Regulation of Adipose Tissue Metabolism, Case-Western Reserve Medical School, March 1989

Sex Differences, Weight Cycling and Genetics, Illinois Dieticians, Chicago, IL, March 1989

Genetic Modulation of Genes Important in Obesity, Cornell Behavior Group, White Plains, NY, April 1989

The Surgeon General's Report and the Diet and Health Report: Challenges to Obesity Treatment, Sandoz Optifast Annual Symposium, San Antonio, TX, May 1989

Genetic Obesity and Modulation of LPL, FASEB Summer Conference Symposium, 1989

Symposium Speaker: Genetic Obesity and Metabolic Regulation, AAAS Annual Meeting, New Orleans, LA, February 1990

Fat as a Feminist Issue, Women's Studies Symposium, UC Davis, Davis, CA, November 1990

Obesity: Genetic or Behavioral? University of Missouri Distinguished Visitor Series, 1990

Weight Cycling and Gender Differences in Obesity, UC Davis CME Course, Davis, CA, 1990

Task Force on Smoking Behavior: Theory, NHLI, Memphis, TN, Participant, 1990

Sex and Genetic Differences in Obesity, International Symposium on Diet and Obesity, Tsukuba, Japan, October 1990

Symposium Speaker, University Extension Symposium, Fresno, California, UC Davis, March 1991

Symposium Speaker, CME Course, UC Davis, March 1991

Speaker, Distinguished Visitor Series, Pennington Biomedical Research Center, Louisiana State University, May 1991

Symposium Speaker, Food and Nutrition Board: Future Directions, ILSI-Nutrition Foundation, Washington, D.C., June 1991

Symposium Speaker, 1991 Satellite Symposium, Diet and Health 1991: Combating Misinformation, UC Davis, September 1991

Symposium Speaker, UC Davis/NAASO CORE Course Obesity Update, October 1991

Plenary Address, "Genetic Models of Obesity," 10th Annual Meeting of NAASO, Sacramento, CA, October 1991

Speaker, "Obesity: Bad Genes or Bad Behavior," Division of Clinical Nutrition and Metabolism Noon Conference, UCDCMC, Sacramento, CA, October 1991

NIH hearing presenter, Women's Health Initiative, Food and Nutrition Board, National Institution of Health, Maryland, October 1991

Speaker, "If thin is in, why are so many people fat?" UC Davis Alumni Breakfast Series, Call Aggie Alumni Association, Sacramento, CA November 1991

Speaker, "The Impact of Dietary Fat on Cancer, Heart Disease and Obesity," Dietary Fat Program, Fresno, CA, February 1992

Speaker, "Genetic differences in adipose tissue metabolism and regulation," The 3rd International Conference on Nutrition in Cardio-Cerebrovascular Diseases. Aomori, Japan, April 1992

Speaker, "Discussion of the FNB's Study on Opportunities in Nutrition and the Food Sciences," FASEB, Anaheim, CA, April 1992

Speaker, "Capitalizing on the University's Resources," UC Davis Connection Conference, Davis, CA, June 1992

Speaker, "Managing Obesity," 1992 Medicine in the Nineties, Kaiser Permanente Medical Group Regional Staff Education, Oakland, CA, October 1992

Speaker, "Obesity and Nutrition," American Medical Women's Association, Mother Lode Branch, Sacramento, CA, November 1992

Speaker, "Opportunities in Bioscience," Women in Bioscience Conference, Sponsored by: Bay Area Bioscience Center and the Association for Women in Science (AWIS), Stanford Medical School, Palo Alto, CA, January 30, 1993

Speaker, "Obesity as a Public Health Challenge," NAASO - Treating the Disease of Obesity: Dilemmas and Decisions for the Health Care Professional, Santa Monica, CA, March 1993

Speaker, "Obesity Research: Where do we go from Here?" AIN, New Orleans, LA, March 1993

Speaker, Commencement Speech, University of Pennsylvania, May 15, 1993

Speaker, "The Presence of Industry and Government in the Academic Setting: Partnership or Culture Clash?" PRIM &R and AAMC, October 28, 1993

Speaker, "Beyond the Endless Frontier," Council of Scientific Society Presidents, December 5, 1993

Speaker, "Nutritional Factors Affecting Women's Health" The Women's Health and the Environment: A Symposium, January 10, 1994

Speaker, "Impact of Health Care Reform on Science and Technology in Academic Health Centers" The Western Regional Meeting of the Clinical Investigation Trisocieties, January 31, 1994

Speaker, "The Office of Science and Technology Policy: New Directions in Policy Formation," The Joint Council on Food and Agriculture Sciences and Users Advisory Board

Speaker, "Expanding the Horizons of Biotechnology in the 21st Century: The Second DeLange Conference" Institute of Biosciences and Bioengineering, Rice University, March 2, 1994

Speaker, "Science in the National Interest" The Commission of Professionals in Science and Technology, March, 3, 1994

Speaker, "Update on National Science and Technology Policy and Highlights on Today's Women in Science," AWIS-GWIS's First Regional Conference on Leadership Development for Women in Science, March 18, 1994

Speaker, "The Office of Science and Technology Policy: New Directions," The Grants Associates/Health Scientist Associates Seminar Series, March 25, 1994

Speaker, "Overview of the Science and Technology Budget and New Directions for Science Policy," NASULGC/Council on Governmental Affairs, April 4, 1994

Speaker, "Partnerships for Change," AAAS Colloquium on Science and Technology Policy, April 6, 1994

Commencement Speaker, The Graduate School of Biomedical Sciences, The University of Texas Medical Branch, Galveston, April 8, 1994

Speaker, "National Science and Technology Policy: Implications for Minority Graduate Students," The California Minority Graduate Education Forum, April 9, 1994

Speaker, The Council of Scientific Society Presidents, May 2, 1994

Speaker, The AWIS Conference: Taking the Initiative! A Leadership Conference For Women Scientists and Engineers, May 12, 1994

Speaker, "21st Century Science" The Joseph Leiter NLM/MLA Lecture, Bethesda, Maryland, May 24, 1994

Speaker, "Environmental Risk Assessment" Symposium on Environment and Society, University of California, Davis, May 26, 1994

Commencement Speaker, "Science the Endless Resource," University of California, San Francisco, Graduate Division Commencement, May 27, 1994

Commencement Speaker, "The Twenty-first Century Challenge" Graduate Division Commencement, UC Davis, June 16, 1994

Speaker, "Science and Public Policy," The National Conference on Research Synthesis: Social Science Informing Public Policy, June 21, 1994

Speaker, "Societal Expectations from Research Universities and the Higher Education System," Symposium on Reinventing the Research University, University of California, Los Angeles, June 22, 1994. Proceedings from the symposium were published 1995

Speaker, "What is the value of Space Exploration?" The National Geographic Symposium, July 18, 1994.

Speaker, SPIE Conference, San Diego, California, July 25, 1994

Speaker, American Chemical Society Conference on New Directions in Federal Science and Technology Policy: An Evolving Partnership Between Industry and Government, Washington, D.C., August 23, 1994

Speaker, FDA Council Luncheon, Washington, D.C., September 12, 1994

Speaker, The Annual Meeting of the Corporate Associates of Orthopaedic Research and Education Foundation, Rosemont, IL, September 13, 1994

Speaker, USDA Joint Subcommittee on Aquaculture Meeting, Washington, D.C., September 16, 1994

Speaker, National Association of State Universities and Land Grant Colleges Board of Directors Meeting, Washington, D.C., September 19, 1994

Speaker, Association of American Medical Colleges Advisory Panel on Biomedical Research, Washington, D.C., September 20, 1994

Speaker, American Association for the Advancement of Science Dinner, Washington, D.C., September 21, 1994

Speaker, Memorial Symposium for Eliot Stellar, New York Academy of Sciences, New York, NY, September 23, 1994

Speaker, Panel Discussion: Impact of Changing Research Priorities on the Culture, Working Colloquium Sponsored by American Association for the Advancement of Science, and the National Science Foundation, Arlington, VA, September 24, 1994

Speaker, Future of Science, FDA Science Forum on Regulatory Science, Washington, D.C., September 30, 1994

Speaker, Association of American Medical Colleges Conference, Ph.D., Education in American Medical Colleges, Fort Lauderdale, Florida, October 8, 1994

Address Lecture Meetings at the University of Michigan, Detroit, Michigan, October 4, 1994

Address, Press Screening of Discovering Women, New York Academy of Sciences, New York, New York, October 5, 1994

Speaker, Association of American Medical Colleges Symposium, Fort Lauderdale, Florida, October 9, 1994

Speaker, AAU Research Presidents Meeting, Duke University, Raleigh, North Carolina, October 17, 1994

Speaker, Ad Hoc Advisory Council, Washington, D.C., October 19, 1994

Speaker, Project Kaleidoscope Faculty for the 21st Century, Atlanta, Georgia, October 30, 1994

Speaker, National Association of State Universities and Land Grant Colleges, Council on Governmental Affairs, Council on Research Policy and Graduate Education Joint Reception and Dinner, Washington, D.C., November 6, 1994

Speaker, Association of Nutrition Departments and Programs, Washington, D.C., November 7, 1994

Speaker, Riley Memorial Foundation Roundtable, Washington, D.C., November 15, 1994

Speaker, Metrics of Fundamental Science Workshop, Washington, D.C., November 18, 1994

Speaker, Forum on Meeting the Challenge: Health, Safety, and Food for America, Washington, D.C., November 21, 1994

Speaker, the Association of American Veterinary Medical Colleges Annual Meeting, Washington, D.C., December 1, 1994

Speaker, Awards Presentations to the Council of Scientific Society Presidents, Washington, D.C., December 4, 1994

Speaker, Food and Nutrition Board of the National Academy of Sciences, Washington, D.C., December 7, 1994

Speaker, Commencement Address at Kent State University, Cleveland, Ohio, December 16, 1994

Speaker, Federation of American Societies for Experimental Biology (FASEB) Meeting, Arlington, Virginia, December 17, 1995

Session Moderator, MIT Forum on Science in the National Interests, Cambridge, Massachusetts, February 7, 1995

Speaker, Los Alamos National Laboratory Conference, Los Alamos, New Mexico, February 13, 1995

Speaker, National Association of Scientific Writers (NASW) Symposium on the Future Relationship Between Reporters and the Scientific Establishment, Washington, D.C., February 16, 1995

Speaker, American Association for the Advancement of Science (AAAS) Annual Meeting, Session on the Return to the Frontier: The Vannevar Bush Report, Then and Now, Atlanta, Georgia, February 21, 1995

Speaker, Council for Chemical Research, Inc. Governing Board dinner, Washington, D.C., February 22, 1995

Speaker, National Science Foundation Conference on Math and Science Education Reform, Arlington, Virginia, February 24, 1995

Speaker, Presidential Awards for Excellence for Science and Math Awards Ceremony, Washington, D.C., March 9, 1995

Speaker, the Association of Academic Health Centers Task Force on Science Policy, Washington, D.C., March 15, 1995

Speaker, panel discussion of the American Physical Society Annual Meeting, San Jose, California, March 20, 1995

Keynote Address, Forum on the Proposed Changes to OMB Circular A-21, National Education Institutes Annual Meeting, Washington, D.C., March 24, 1995

Speaker, National Research Council Convocation, From Analysis to Action: Undergraduate Education in Science, Math, Engineering, and Technology, Washington, D.C., April 9, 1995

Keynote Address, O.W. Atwater Memorial Lecture, Atlanta, Georgia, April 11, 1995

Speaker, Cornell Club Trustee event in honor of Mal Mesheim, New York, New York, April 20, 1995

Commencement Speaker, University of Arkansas, Fayetteville, College of Agriculture, Food and Life Sciences, May 13, 1995

Speaker, University of Arkansas Medical School, Little Rock, May 14, 1995

Commencement Speaker, University of Texas, San Antonio Graduate School of Biomedical Sciences, May 19, 1995

Commencement Speaker, University of California at Davis, Graduate Division, June 15, 1995

Commencement Speaker, Rockefeller University, June 16, 1995

Speaker, University Extension Annual Certificate and Outstanding Service Ceremony, University of California, Davis, June 21, 1995

Address to the Southeastern Science Policy Colloquium, "Science and Technology: Partnership for Science Education and Scientific Literacy," Kennedy Space Center, June 23, 1995

Speaker, Third Annual Conference on Women's Health, Washington, DC, June 27, 1995

Speaker, "Making It Happen: First in the World in Science and Mathematics Education," Office of Science and Technology Forum, July 26, 1995

Series Speaker, "The Fat Gene: What Do We Really Know?" Explorit Science Center, Davis, CA, September 19, 1995

Special Lecturer, "Nutrition Research: An Administrative Perspective," North American Association for the Study of Obesity, Baton Rouge, LA, October 15, 1995

Keynote Speaker, 65th anniversary of Ernest Orlando Lawrence Berkeley National Laboratory, Berkeley, CA, August 29, 1996

Keynote Speaker, "Women Mean Business," first annual luncheon honoring women of achievement sponsored by the Business Journal, Sacramento, CA, September 11, 1996

Building UCSC's Partnerships, October 1996

Keynote Address, National Association of Graduate-Professional Students, Inc., "21<sup>st</sup> Century Graduate Education: Change, Evolution and New Challenges," Santa Monica, CA., October 24, 1996

Speaker, "The Role of UCSC as a Public University in the 21<sup>st</sup> Century," Temple Beth El, Santa Cruz, CA., December 13, 1996

Speaker, "Future of Federal Laboratories and Linkages to Universities," Presidential Early Career Awards for Scientists and Engineers Recognition Ceremony, Washington, DC, December 16, 1996

Speaker, "Navigating the Political Web: What Women College Administrators Should Know," American Council on Education/National Identification Program, Santa Cruz, CA, February 7, 1997

Speaker, Celebrating Women's History Month reception, cosponsored by Lt. Governor Gray Davis and The Capitol Women's Staff Group, Sacramento, CA., March 31, 1997

Inaugural Address, "UC Santa Cruz: From First Light to Bright Future," Santa Cruz, CA, May 1997

Speaker, "Science in the New Millennium," Sigma Xi/Santa Cruz Chapter, Santa Cruz, CA, June 2, 1997

Plenary Presentation, "The Next Revolution: Biotechnology, Genetic Engineering and Your Future," 1997 International Women's Forum Global Conference, San Francisco, CA., September, 1997

Keynote Speaker, "Fiat Lux: Defining Our Values and Partners for the Future," University of California Management and Leadership Conference, Irvine, CA., October 1997

Panel Speaker, "Push and Pull: How U.S. Government Policies Shape Science and Technology," Challenges and Controversies in Shaping Public Policy for Science, Technology and Medicine, R&D Symposium, Royal College of Pathologists, London, England, 1997

Speaker, "U.S. Science Policy: Partnerships for the Third Millennium," Indian Science Congress, Delhi, India, January, 1998

Speaker, "Push and Pull: How U.S. Government Policies Shape Science and Technology," Association of Medical and Graduate Departments of Biochemistry annual meeting, Belize, January, 1998

Speaker, Commerce Panel, National Ocean Conference, Monterey, CA., June 1998

Presidential Address: "Science Through the Looking Glass: Winning the Battles but Losing the Wars," American Association for the Advancement of Science, Anaheim, CA, January 23, 1999

Plenary Address for the National Academy of Science, Symposium on Women in Science, Washington, DC, April 1999

Speaker, "UC Silicon Valley? How UC Santa Cruz is Bringing Service and Value to the Silicon Valley," San Jose Downtown Rotary, March 29, 2000

Speaker, Commonwealth Club Silicon Valley, San Jose, CA, May 10, 2000

Speaker, National Health Implications of Obesity, University of Cincinnati, May 14, 2000

Speaker, "Civic Scientist/Civic Duty," American Association for the Advancement of Science, San Francisco, CA, February 16, 2001

Convocation speaker: "UC Santa Cruz: Leading in the New Millennium," Santa Cruz, CA, October 2, 2001

Speaker, "UCSC's Progress and Opportunities," Old Capital Club, Monterey, CA, November 13, 2001

Speaker, "Women Mean Business," Training for Office Professionals, San Jose, CA, November 13, 2001

Keynote Speaker: William D. Carey Lecture/American Association for the Advancement of Science, "Risky Business: Research Universities in the Post-September 11 Era," Washington, DC, April 11, 2002

Keynote Presenter, 2002 Bank of America Achievement Awards, San Jose, CA, May 2, 2002

Speaker, President's Council of Advisors on Science and Technology (PCAST), "The Fruits of Federal R&D Spending," Washington, DC, May 9, 2002

Keynote Address, "Research in the Post-September 11 Era: Challenges and Opportunities," Society for the Study of Ingestive Behavior, Santa Cruz, CA, August 9, 2002

Testimony before the House Science Committee: "Conducting Research During the War on Terrorism: Balancing Openness and Security," Washington, DC, October 10, 2002

Speaker, Santa Cruz Kiwanis Club, October 24, 2002

Speaker, Santa Cruz Rotary, December 6, 2002

Speaker, Aptos Chamber of Commerce, December 12, 2002

Keynote Address, "Risky Business: Science and Technology Policy in the Post 9-11 Era," India International Centre, New Delhi, India, December 27, 2002

Keynote Speaker, Santa Cruz Sunrise Rotary, February 11, 2003

Symposium Panel participant, "Graduate Education: A Time for New Norms?" American Association for the Advancement of Science, February 17, 2003

Speaker, "Changes Needed in the Academy: Graduate Training," Burroughs Wellcome Fund, February 27, 2003

Keynote Address, "Enhancing the Postdoctoral Experience," 2003 Postdoc Network Meeting, Berkeley, CA, March 16, 2003

Speaker, "Ethical Awareness for Tomorrow's Leaders," IMSA (Illinois Mathematics and Science Academy) Dialogue on Science, Technology, Society, Chicago, IL, April 3, 2003

Keynote Address, "Thriving in a Changing Workplace," UC Santa Cruz/Women at Work Retreat, San Juan Bautista, CA, May 1, 2003

Symposium Speaker, UC Berkeley, Symposium in Academic Freedom, June 2003

Speaker, Latino Chamber of Commerce, July 2003

Keynote Speaker, Santa Cruz Chamber of Commerce, "Women in Business" Luncheon, Sept. 2003

Speaker, Red Cross Women's Club, Dec. 2003

Keynote Speaker, Council Of Graduate Schools luncheon, San Francisco, Dec. 2003

Luncheon Keynote Speaker, Center for Gender Equity, UCSF, March 2004

Speaker, Conference on "Moon, Mars, and Beyond" NASA, AMES, April 2004

Presentation Speaker, Awarding the UC's Presidential Medal to Donald Bren, UC Irvine, June 2004

Speaker, Lake Merritt Breakfast Club, June 2004

Dinner Keynote Speaker, Lawrence Livermore National Laboratory Women's Forum, October 2004

Keynote Speaker, Oakland Chamber of Commerce, October 2004

Speaker, UC Berkeley, Center for Higher Education, Symposium in Civic Engagement, June 2005

Speaker, Diversity Summit at UC Riverside, March 2005

Speaker, Oakland Rotary Club, April 2005

Commencement Speaker, Stephenson High School, Pebble Beach, CA, May 2005

Keynote Speaker, ARCS Annual meeting, San Diego, CA, June 2005

Speaker, Institute of Medicine, Drug Forum, Irvine, CA, September 2005

Breakfast Speaker, Women's Forum West, "Now a Glass Cliff?," May 2006

Luncheon speaker, ACE/NIP, San Francisco, May 2006

Invited Speaker and Discussant, Benjamin Franklin-Lafayette Seminar, June 2006, Frejus, France

Participant, Cocompolyflavanols Meeting, Brussels, Belgium, July 2006

Keynote Speaker; UC San Francisco Gender Equity Meeting, "If You Break the Glass Ceiling, Watch out for the Shards" Sept. 2006

Keynote Speaker, Vassar College, 25<sup>th</sup> anniversary celebration of the URSI (Undergraduate Research Summer Institute), "From Complex Organisms to Complex Organizations", Sept. 2006

Seminar Speaker, Vassar College, "the Obesity Epidemic", Sept. 2006

Invited Speaker and Session Chair, "The Changing Picture for Women in Science and Higher Education", Oct. 2006

Presenter at the Obesity Society Press Conference on "Help not Hype," Boston, October 2006

Conference Presenter, National Academy of Engineering and National Academy of Sciences Governing Board Meeting, "Framing the Issues; Science in the National Interest", Feb. 2007

Endowed Mars Lecturer, University of Illinois "The Obesity Epidemic", April 2007

Keynote Speaker, Deans Summit, Rice University, Houston, TX "The Changing Picture for Women in Science and Higher Education", April 2007

Keynote Speaker, University of California, Davis Food Forum, "The Obesity Epidemic", May 2007

Keynote Speaker, Harvard University Medical School International CME, Boston, Mass. "The Obesity Epidemic", June 2007

Keynote Speaker, Montana State University, ADVANCE program, "The Changing Picture for Women in Science and Higher Education", August 2007

Conference Speaker, "The Need for a New Paradigm for Mentoring Women", NIH conference, Nov. 27-28, 2007