**Curriculum Vitae 2024** (240621)

**BARBARA CALEEN HANSEN, Ph.D.,**

**FAAAS, FASN, FTOS, FAHA, FAPS, FNAI, FAAN, NAM**

OFFICE ADDRESS: Professor of Internal Medicine & Pediatrics and

 Director, Obesity, Diabetes, and Aging Research Center

 Director, Center for Preclinical Research

 Morsani College of Medicine

 University of South Florida

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EDUCATION: DEGREE/YEAR:

Ph.D. University of Washington, Seattle 1971

 Physiology and Psychology

 Institute of Neurological Sciences 1966-1968

 University of Pennsylvania, Philadelphia

 USPHS Research Fellow, Neurological Sciences

 University of California, Los Angeles 1965-1966

 USPHS Research Fellow, Physiological Psychology

M.S. University of California, Los Angeles 1965

B.S. University of California, Los Angeles 1964

 (Summa Cum Laude—Valedictorian)

PROFESSIONAL EXPERIENCE

2005-Present Professor of Internal Medicine and Pediatrics, Morsani College of Medicine and School of Aging Studies, University of South Florida, Tampa, FL

2005-Present Director, Obesity, Diabetes, and Aging Research Center and Center for Preclinical Research, University of South Florida, Tampa, FL

1998-2005 Director of Research, Joslin Center for Diabetes at the University of Maryland, Baltimore, MD.

1990-2005 Director, Obesity and Diabetes Research Center, School of Medicine, University of Maryland, Baltimore, MD.

1987- 2005 Affiliate Professor of Geriatrics and Gerontology Education and Research Program, University of Maryland, Baltimore, Baltimore, MD.

1986- 2005 Professor of Physiology, School of Medicine, University of Maryland, Baltimore, MD.

1986 - 2005 Affiliate Professor, Department of Psychology, University of Maryland, Baltimore County, Baltimore, MD.

1986- 2005 Affiliate Professor, College of Agriculture and Natural Resources, Department of Human Nutrition & Food Systems, University of Maryland College Park, College Park, MD.

1986- 1990 Vice President for Graduate Studies and Research; University of Maryland Graduate School (UMAB and UMBC), Baltimore, MD.

1982-1985 Associate Vice President for Academic Affairs and Research; and Dean of the Graduate School, Southern Illinois University, Carbondale, IL.

1982-1985 Professor, Department of Psychology, College of Liberal Arts; and Professor, Department of Physiology, School of Medicine, Southern Illinois University, Carbondale, IL.

1982 Visiting Professor, National Defense Medical Center and National Taiwan University, sponsored by the American Bureau for the Medical Advancement of China, Taipei, Taiwan (February-April).

1977-1982 Associate Professor, Department of Physiology, School of Medicine, Professor of Nursing; Associate Dean for Research, and Member, Center for Human Growth and Development, The University of Michigan, Ann Arbor, MI.

1971-1976 Assistant and Associate Professor, Department of Physiology and Biophysics, School of Medicine and Department of Physiological Nursing, School of Nursing, and Research Affiliate, Regional Primate Research Center, University of Washington, Seattle, WA.

1968-1971 USPHS Fellow, University of Washington, Seattle Joint PhD Program in Physiology and Psychology.

1966-1968 USPHS Fellow, University of Pennsylvania, Institute of Neurological
Sciences

# PROFESSIONAL AND ACADEMIC MEMBERSHIPS

National Academy of Medicine (Institute of Medicine) of the National Academy of Sciences (member, 1981-present) (Chair Section 3, (Anatomy, Neurobiology, and Physiological and Pharmacological Sciences) 2014-2016;

Vice Chair, 2012-2014;

member of Membership Committee, NAM/IOM 2012-2016);

Member of Program Committee, NAM, 2015-2016.

Multiple nominations and Co sponsor nominations (about one every other year 1982 to present) for NAM Membership (For example, recent nominees include Christian Brechot (international membership-2x) and Maria Abreu (Gastroenterologist University of Miami)

Multiple Nominations of candidates for Consensus Development Committees of NAM, and Health Improvement Commissions

Active attendee at many special events and reviews

Correspondent Committee on Human Rights (NAS/NAM/NAE) 2000-present;

Member IG 12 Nutrition, Obesity and Diabetes, 1990-present, and former chair and vice chair;

Invited speaker 2015 annual meeting;

NAM Emerging Leaders Scholars: BCH Judge/Selection Committee 2022-2023;

NAM 2023-2024 Emerging Leaders Scholars in Health and Medicine—Nomination submitted by BCH (Yael Bensoussan MD ENT INNOVATOR and USF faculty member astounding);

Nomination of USF faculty for The Emerging Leaders **Forum** April; 2023;

NAM/NAS 2023-2024; National Academies of Sciences, Engineering, and Medicine (Health and Medicine Division—Food and Nutrition Board)—BCH appointed the External Review Coordinator of: Exploring the Science on Measures of Body Composition, Body Fat Distribution, and Obesity (10/31/2023 to 12/19/2023).(included extensive review of the document and many commentaries on it, and integration of views from multiple reviewers; and further inquiries; and our final approval.)

American Association for the Advancement of Science Fellow 2014-present (FAAAS)

National Academy of Inventors-Fellow and Charter member 2012-present (FNAI)

American Society for Nutrition 1981-present (merged with American Society for Clinical Nutrition (President, 1995-1996; Vice President, 1994-1995))

Elected ASN Fellow 2014 to present (FASN);

member ASN Fellows Selection Committee, 2017-2019.

NIH US-Japan Nutrition and Metabolism Panel of the United States-Japan Cooperative Medical Science Commission (1991-2011)

World Obesity Federation (WOF), (formerly IASO, International Association for the Study of Obesity, (First President, 1986-1990))

American Aging Association (Board of Directors, 1997-2002)

The Obesity Society (TOS, formerly the North American Association for the Study of Obesity), (First President, 1984-1985);

 2000 Fellow (FTOS);

Awards Selection Committee 2018 to present

American Heart Association (Member, Nutrition, Physical Activity, and Metabolism Council — 2002 to 2006 and Chair, AHA Obesity Committee (2002-2005),

Fellow (FAHA 2004),

member, AHA Research Grant Review Committee (Diabetes and Heart Disease) 2019-2020.

American Physiological Society (1990-present)

(Fellow 2015 (inaugural) – present)

 Member, Daggs Committee 2013-2015

 Member, Animal Experimentation Committee (2014-2016)

 Member APS, Fellows Selection Committee (2017-2024

Member, Selection Committee 2022 for the Berson Award (Highest Award by the Endocrinology and Metabolism Section of APS)

 Speaker at APS Annual meeting 2023

 Steering Committee, Endocrinology and Metabolism Section of APS 2021-present

Gerontological Society of America (1990-2014)

Foundation for Comparative and Conservation Biology (Board of Directors)

American Diabetes Association (1979-present) (past member ADA Research Committee)

The Endocrine Society (multiple years – organizer of Endocrinology of Aging Symposium, NIA supported)

European Association for the Study of Diabetes

European Association for the Study of Obesity

American Obesity Association (Board of Directors) (AOA merged with NAASO in 2006)

American Psychological Society

Society for the Study of Investigative Behavior

American Society of Primatologists

**AWARDS, HONORS, SCHOLARSHIPS, AND SPECIAL RECOGNITION**

National Academy of Medicine of the National Academy of Sciences, Member 1981-present

American Physiological Society, Fellow (inaugural);

Current: APS Committee to Select Fellows 2015-present

American Association for the Advancement of Science, Fellow Elected 2014 2014-present

American Society for Nutrition, Fellow 2015-present

National Academy of Inventors, Charter member; Fellow 2012-present

American Heart Association, Fellow 2004-present

The Obesity Society, Fellow 2000-present

European Association for the Study of Obesity: Best Abstract Award (genetics,

 molecular and physiology) 2011

North American Association for the Study of Obesity: George Bray Founder’s Award 2003

American Society for Clinical Nutrition: The E.V. McCollum Award 2002

National Health Information Award for content, creativity, 1999

 and overall excellence to “The Commonsense Guide to Weight

 Loss for People with Diabetes” (ADA published book)

Medical Book Award from the American Medical Writers Association for

“The Commonsense Guide to Weight Loss for People with Diabetes” 1999

Sigma Xi 1983-present

Rod Rose Award, Presented annually to the author of the article judged by the Editorial 1989

 Review Board as the most outstanding contribution to that year's volume of the

 SRA International Journal of Research Administration.

 Society of Research Administrators

Outstanding Young Women of America 1972

Dissertation-finalist in Award Program of the American Institute of Research 1971

Faculty Award for Outstanding Graduate Student 1965

Valedictorian, University of California, Los Angeles 1964

Phi Beta Kappa elected UCLA, 1963

 Current: Active as member of Founding Committee for USF Chapter of PBK.

 2021-2024 Treasurer of the USF Phi Beta Kappa Chapter)

Mortar Board 1963

California Club, Board of the President of the University of California System 1961-1964

Project India, Lecturer in India (Sponsor: US State Department, 3 months) 1961

Middle East Study Seminar, Summer, all Mid-Eastern countries 1960

Bank of America Achievement Award 1959

Regents Scholar, University of California, Los Angeles 1959-1964

American Field Service Exchange Student, Germany 1958

# PATENTS

Treatment of diabetes by administration of myo-inositol, Patent No. 5,763,392

# EDITORIAL BOARDS

Senior Editor, IMpact, An Intramural Review for Research and Scientific Writing 2016-2021

Co-Editor, Diabetes/Metabolism Research and Reviews 1998-2006

Physiology Section Editor, Obesity Research 1992-2008

Editorial Board, Lessons from Animal Diabetes 1991-2007

Editorial Board, International Diabetes Monitor 2002-2005

Editorial Board, Experimental Diabetes Research 1999-2007

Chair, Publications Committee, International Journal of Obesity 1988-1991

Editorial Board, International Journal of Obesity 1986-1990

Editorial Board, International Journal of Primatology 1986-1989

Associate Editor, American Journal of Primatology 1984-1986

Consulting Editor, American Journal of Primatology 1980-1984

Editorial Board, Journal of Parenteral and Enteral Nutrition 1979-1986

Editorial Board, Diabetes Care 1982-1984

Associate Editor, Diabetes Care 1977-1982

Reviewer for Nature Metabolism, Nature Communications, American Journal of

 Physiology, Diabetes, Diabetologia, Diabetes/Metabolism Research 1977-present

and Review. Journal of Gerontology Biological Sciences,

Journal of Clinical Endocrinology and Metabolism, Physiology

and Behavior, Diabetes Care, Obesity Research, Obesity, International

Journal of Obesity, European Journal of Physiology,

Hormone and Metabolism Research, Endocrinology, Obesity, and many others

**CONSULTING POSITIONS AND NATIONAL/INTERNATIONAL COMMITTEES (Selected)**

External Expert: International Biotechnological Research Center in Endocrine, Metabolic and Embryo Translational Medicine (CIRTEMIP) at the University of Perugia—2023-presemt

 NIH ad hoc member Microbiology and Infectious Diseases B (MID-B) Research Study Section Peer Review Committee, June 2023

Leader for the APS Endocrinology and Metabolism Section Trainee Session, April 21, 2023;

Member, Executive Committee of the APS-- E and M Section 2022-present

American Heart Association Research Scientific Review Committee (Diabetes and Heart Disease) 2019- 2021

NIH Review Committee (Study Section): NIAID Transplantation Tolerance (U01 and U19) 2017/01 ZAI1 JTS-I (J2) 1 December 13-15, 2016

American Society for Nutrition, Fellows Selection Committee, 2016-2019.

Pennington Biomedical Research Institute of LSU: Member External Advisory Board 1984-2017, Chair, External Advisory Board 2016-2017

USF Faculty Senate Honors and Awards Council, 2014-2024; Chair-elect, 2015, Chair 2016-18

USF SYSTEM Faculty Senate 2019-2022

USF Faculty Senate 2014-2023; Reelected for 3 year term 2024-2027

Faculty Council, Morsani College of Medicine, 2014-2024

MORSANI College of Medicine Bylaws Revision Committee (Chair (2022-2023)

Food and Drug Administration, Endocrinologic and Metabolic Drugs Advisory Committee, 2014-present

Research Committee of the University of South Florida Morsani College of Medicine, 2014-2017

Jerusalem Zoo, Jerusalem Israel, consultant on diabetic management of Mandrills, 2014-2015

American Physiological Society, Animal Care and Experimentation Committee, 2014-2019

Foundation for Comparative and Conservation Biology, Board member, 2010 –2018, (Aging Ape project; orangutan and elephant conservation)

Merck Laboratories, Inc, Consultant, 2010-2018

Watermeadow Medical, Limited, Consultant, 2013

GLG GuidePostGlobal, Consultant 2010 - present

American Physiological Society, Daggs Award Committee, 2013-2016.

NIH Study Section: Ad Hoc member, July 28, 2013

NIH Study Section: ZRG NRCS-V, June, 2013 Center for Scientific Review Special Emphasis Panel

Second Annual World Congress of Diabetes 2013, Chair Symposium on Experimental Models of Diabetes, Xi’an, China, May 20-24, 2013

NIH Study Section: ZRG NRCS-R08, February, 2013 Center for Scientific Review Special Emphasis Panel

International Conference on Physiological Sciences and the Chinese Association for Physiological Sciences, Organizer and Chair, Symposium: New developments from animal models of obesity and diabetes: Physiology, pathophysiology and genomics; November 3, 2012

Institute of Medicine Annual Meeting Co-organizer of Section 12, Nutrition, Diabetes, and Obesity: Myths, Legends, and Facts of Obesity: Science as the Sifter; Goals of IOM for 2012-2014, October 14, 2012

Judith S Stern 1st Annual Symposium on Nutrition and Obesity, (Chair) University of California Davis, September 8, 2012

Pennington Biomedical Research Institute: Chair, External Advisory Board 2011-2012

Institute of Medicine Annual Meeting Co-organizer of Section 12, Diabetes Obesity and Nutrition: Goals of IOM in Prevention of Childhood Obesity. October 17, 2011

American Society for Nutrition Sciences- Public Affairs Committee-2011-2014

Institute of Medicine Planning Committee Interest Group 12: Nutrition, Diabetes and Obesity, 2010

Research!America Representative and Scientific Advisory Committee 1998 - present

NIH Study Section ZRG1 DIRH-J (01) Dissemination and Implementation Research in Health June 2010

National Academy of Sciences Committee to Review Biomedical Research Proposals, February 12-13, 2009

NIH study section 2009: Special Emphasis Panel, ZRR1-CG4(01) NCRR review committee October 26-19, 2009

NIH study section 2009 ZDK1GRBSO1 CKD Biomarker Discovery and Validation Consortium (U01). July 13, 2009

NIH National Institute on Aging Consultant: Intramural Research: Diabetic primate management, June 30, 2009

NAS: National Academy of Sciences Committee to Review Biology Proposals to the Wright Centers of the Innovation and the Biomedical Research Technology Transfer (BRTT) Partnership Awards of the State of Ohio 2009

IBC Scientific Advisory Board: 7th Annual Conference: Targeting Metabolic Disorders, Boston Mass, March 24, 2009

NIH Committee to Review NIA CR study April-Aug 2008 (Advisory to Director, NIA)

NIH Study Section 2008 Institutional Clinical and Translational Science Award, CTSA, RM 07-007 Bethesda, MD 2008

NIH: US Delegate to US – Japan Biomedical Research Program-Nutrition and Metabolism Panel 1991- (2008 in association with the Government of Vietnam) to 2015

American Association of Laboratory Animal Sciences Co-Organizer: AALAS Symposium Non Human Primate Models of Diabetes: Progression and Treatment 2008-2009

American Association of Laboratory Animal Sciences Chair and Co-Organizer: AALAS Symposium Welfare Considerations in Animal Models of Diabetes 2008-2009

NIH Study Section: Center for Scientific Review Special Emphasis Panel ZRG1 FO6-G (20) 2007

NIH Study Section 2007 NCRR: Wisconsin National Primate Research Center Review (P51) 2007

NIH Study Section ZRG1 FO6-J (20) Endocrinology, Metabolism, Nutrition & Reproductive Sciences 2006

International Scientific Advisory Board; Lessons from Animal Diabetes 2006-2007

The National Research Council: Assessing Fitness for Military Enlistment November, 2005

American Aging Association Student Chapters Committee, Chair October 2004 – 2009

American Heart Association Committee on Scientific Sessions Program, November, 2004

NIH Study Section: Special Emphasis Panel: ZRR1-CM-8(01) January, 2004

NAS: The National Academy of Sciences Committee on Youth Population and Military Recruitment: Physical and Medical Standards, Member March 2004 – July 2005

GRECC Univ of Maryland External Advisory Committee, Member September, 2004

NIH Special Emphasis Panel, California National Primate Research Center , Davis, CA, September, 2004

American Heart Association: Council on Nutrition; Chair Obesity Committee 2003-2005

NAS: National Academy of Sciences Chair, Committee to Review Biology Proposals to the Wright Centers of the Innovation and the Biomedical Research Technology Transfer (BRTT) Partnership Awards of the State of Ohio September, 2003 – 2005

Endocrine Society, Co-Organizer, Endocrinology of Aging Symposia sponsored by the NIA for the Endocrine Society (annually) 1998 – 2008

NIH Study Section ZRR1 CM-8 (01) September, 2003

NIH Study Section: Review Group SRG1 NMS (50) June, 2003

IASO Conflict of Interest Committee 2003 – 2007

NIH Special Emphasis Review Panel (ZRG1-SBDD-02) December, 2003

NIH-NHLBI, Invited Participant, Conference on Scientific Issues Related to the Definition of Metabolic Syndrome April, 2003

NIH Study Section ad hoc Member, Geriatrics & Rehabilitative Medicine (GRM) April, 2003

NIH Study Section: Special Emphasis Panel ZAG1 ZIJ-8, J2, IFG and Sex March, 2003

AHA Prevention III: Obesity, A Worldwide Epidemic Related to Heart Disease and Stroke, Member April, 2002

FASEB Break-throughs in Bioscience Diabetes and Obesity Science Advisor, 2002

Co-Chair, The Metabolic Syndrome Clinical Management Conference, sponsored by AHA, ADA and NIH September 2002

National Academy of Sciences: Consultant, Committee to Review the Scientific Evidence On the Polygraph, NAS 2002

NIH Study Section: ZAG1 ZIJ-2 04, Special Emphasis Panel, Metabolism and Aging July, 2002

Scientific Advisor for the Satellite Symposium to The World Congress on Obesity, 2002

Chair, Symposium (joint) American Diabetes Association/American Heart Association: Understanding the Metabolic Syndrome: Effects on Diabetes and CVD, 2001

American Heart Association’s Task Force on Strategic Research Directions 2001 – 2002

HHS Task Force on Diabetes and Women: National Public Health Action Planning Committee of the CDC, 2001

Lessons from Animal Diabetes VIII: Chair, Obesity and Diabetes, 2001

Scientific Advisor of the Research and Education Division of the International Diabetes Health Center, 2001-2008

American Aging Association: Chair, Rhesus Monkeys: Brain and Behavior, 2001

University of Maryland: School of Medicine Strategic Plan Continuing Oversight Committee (SPCOC) 2001 – 2002

University of Maryland: Ad Hoc Committee to review the impact of the current By-Laws for Appointment, Promotion, and Tenure 2001 – 2003

NIH Study Section, Non-mouse Models of Diabetes Complications in Cardiovascular and Microvascular Diseases, RFA HL-01-010 June, 2001

American Heart Association: Chair, Committee on Obesity, and Member Executive Committee of the Council on Nutrition, Physical Activity and Metabolism 2000-2003

Monitor, National Research Council: Strategies that Influence Cost Containment in Animal Research Facilities, Committee On Cost of and Payment for Animal Research 2000-2001

Association of American Medical Colleges: Council of Academic Societies (Program Committee 2000-2001) 1996-2003

NAS/Institute of Medicine Reviewer of Report: "Veterans and Agent Orange: Herbicide/Dioxin Exposure and Type 2 Diabetes" 2000

NIH Study Section, Special Panel: Obesity, lipoprotein, adipocyte 2000-2003

NIH - NIDDK Study Section: Mouse Phenotyping Centers Review 2000-2001

Juvenile Diabetes Research Foundation International-Research Review Committee 2000-2007

Advisor for the Knoll Senior Medical Advisory Board 2000

NIH/NIDDK Special Emphasis Panel (ZDK1 GRB1) 2000

National Academy of Science: Committee on Military Nutrition Research, Food and Nutrition Board/Institute of Medicine, Subcommittee for Military Weight Management Programs 1999-2003

External reviewer of grants for USDA National Research Initiative Competitive Grants Program 1996-2006

National Heart, Lung, and Blood Institute, NIH, Expert Panel on the Identification, Evaluation and Treatment of Overweight and Obesity in Adults 1998-2001

Organizer/Chair: New York Academy of Sciences Conference: The Metabolic Syndrome X: Convergence of Insulin Resistance, Hypertension, Obesity and Dyslipidemias – Searching for the Underlying Defects. Jacksonville, Florida (with J. Saye and L. Wennogle) 1999

Advisory Council, American Obesity Association, Washington, D.C.1999-2007

Reviewer, Women’s Health Research Group, University of Maryland Baltimore 1999

Center for Research on Aging Leadership Group, UMD 1998-2005

Strategic Action Plan Advisor to the NIH-Office of Dietary Supplements 1998-1999

Scientific Program Committee, 8th International Congress on Obesity, Endocrinology of Obesity 1997-1998

Scientific Advisor Committee, Lessons from Animal Diabetes, 6th International Workshop 1997

Scientific Program Committee, 8th International Congress on Obesity, Paris 1997-1998

Association of American Medical Colleges 1996 Baxter Research Award Selection Committee for the term 1996-1997

President, American Society for Clinical Nutrition 1995-1996

President-Elect, American Society for Clinical Nutrition 1994-1995

Chair, National Institute on Aging Advisory Committee on Primate Models of Menopause 1994

Nominating Committee for North American Association for the Study of Obesity 1994, 1998

AIN Representative for the Federal Funding Consensus Conferences, October 16-18, 23-25, 1994

Chair, Organizing Committee, Obesity, Diabetes and Insulin Resistance Satellite Symposium of the 7th ICO and ADA Research Symposium 1993-1994

Scientific Program Committee for 7th International Congress on Obesity1991-1994

Scientific Advisory Committee 1993 Annual Meeting, North American Association for the Study of Obesity 1992-1993

Board of Scientific Counselors, National Toxicology Board, National Institute for Environmental Health Sciences, Office of the Assistant Secretary of Health, Department of Health and Human Services 1992-1994

Search Committee for the Director, Office of Research Integrity, Office of the Assistant Secretary of Health, Department of Health and Human Services 1992-1993

Armed Forces Epidemiological Board, Department of Defense 1991-1997 (Now Defense Health Board; advisory to the Surgeon General and the Assistant Secretary of Defense, Health Affairs)

Institute of Medicine, Steering Committee for a Workshop on Potential Conflicts of Interest in the Patient Outcome Research Teams (PORTs) of the Agency for Health Care Policy and Research (AHCPR) 1990

National Research Council, Panel on the Biomedical Sciences Taxonomy for the Survey of Earned Doctorates 1988

Michigan Diabetes Research and Training Center Scientific Advisory Board 1979-1986

African-American (AFGRAD) Graduate Program Executive Committee 1986-1991

Member, Council of the Institute of Laboratory Animal Resources, National Research Council of the National Academy of Sciences 1983-1987

Member, Advisory Committee to the American Bureau for the Medical Advancement of China, (Taiwan), New York, NY 1982-1985

Robert Wood Johnson Foundation Advisory Committee—Clinical Nurse Scholars Program, Princeton, NJ 1982-1992

Chair, Working Group on Direct and Indirect Costs of Biomedical Research of the Director's Advisory Committee, National Institutes of Health 1982-1983

National Academy of Sciences' Correspondent to Committee on Human Rights 1982-present

Consultant to National Science Council of Taiwan 1982

Consultant to the National Defense Medical Center, the National Taiwan University, Yang Ming University, Taiwan General Hospital, and the Veterans Hospital, Taipei, Taiwan 1982

Special Review Committee, Diabetes and Endocrinology Research Center, University of Illinois Medical Center, National Institutes of Health, Washington, DC 1981

Member, Task Force on Costs of Biomedical Research, National Institutes of Health 1980-1981

**Advisory Committee to the Director, National Institutes of Health 1979-1983**

Nutrition Study Section, Division of Research Grants, NIH 1979-1983

**Robert Wood Johnson Foundation, Advisory Committee—Medical Practice Research and Development Program, Princeton, NJ 1981-1983**

Special Study Section on Diabetes Education and Research Center, NIH 1981

Special NIH Study Section on Obesity, Division of Research Grants, NIH 1979

Member - Biomedical Research Support Review Committee - Study Section –National Institutes of Health 1978-1979

Consultant on Doctoral Program Development and Innovation—University of Colorado, University of Kansas, University of Kentucky, and others 1977-1990

Consultant on Research Development—University of Texas, San Antonio, University of Kansas, St. Mary's College, Adelphi University, Ohio State University, University of Nebraska, University of Missouri, Pittsburgh State University, University of Wisconsin-Madison, and others, 1977-2010

# RESEARCH GRANTS, CONTRACTS, AWARDS, PROJECTS:

2014-present Hansen, B.C. Obesity, Diabetes and Aging Research Center, Morsani College of Medicine --Continued support.

**Principal Investigator of NIH RO1 grants (continuously for 41 years as shown below in detail):**

**2008-2013 Hansen, B.C. NIH: Obesity, diabetes and aging animal resource (years 37-41). NIH NOI-AG-3-1012/HHSN263200800022C. Total costs DC + IC: $2,219,194.**

**2003-2008 Hansen, B.C. NIH: Obesity, diabetes and aging animal resource (years 32-36). National Institute on Aging NO1-AG-3-1012. Direct costs: $1,974,416, (Total costs DC + IC: $2,932,008).**

**1999-2003 Hansen, B.C. NIH: Obesity, diabetes and aging animal resource (years 27-31). National Institute on Aging. Year one; Direct cost: $616,694, (total cost: $922,867); Five year direct costs: $2,451,633 (total $3,684,677).**

**1998-1999 Hansen, B.C. NIH: Obesity, diabetes and aging animal resource. Beta 3 receptor gene mutation NIDDK. (Supplement). Direct Costs: $68,444 (total $101,981).**

* 1. **Hansen, B.C. and Bodkin, N.L. NIH # AG-42100 (June 21, 1993-Sept 20, 1998, years 22-26). Obesity, Diabetes, and Aging Animal Resource. Direct cost: $1,417,036 (total DC + IC: $2,100,903).**

**1991-1993 Hansen, B.C. and Bodkin, N.L. NIH Grant #AG10612-06 July l, 1991-April 30, 1993 (years 20-21). Obesity and the Regulation of Appetite. Direct cost $367,637 (total $536,750).**

**1990-1991 Hansen, B.C. and Bodkin, N.L. NIH: Obesity and the Regulation of Appetite. Grant #DK37717 (years 18 - 19), January 1, 1990 - June 30, 1991. Direct cost $210,013 (total: $310,819).**

**1988-1989 Hansen, B.C. and Bodkin, N.L. NIH Grant #DK37717-03 (years 16-17, January 1, 1988 - December 31, 1989). Obesity and the Regulation of Appetite. Direct cost $509,583. (total: $759,279)**

**1986-1987 Hansen, B.C., Jen, K.-L.C. and Pek, S. NIH Grant #NDDK37717-02 (years 14-15, January 1, 1986 December 31, 1987). Obesity and the Regulation of Appetite. Direct cost $374,088 (total: $546,168).**

**1985 Hansen, B.C., Jen, K.-L.C. and Pek, S. NIH Grant #NIADDKD-RO1-AM33502 (year 13, January 1, 1985 December 31, 1985). Obesity and the Regulation of Appetite. Direct cost $185,222 (total: $274,129)**

**1982-1984 Hansen, B.C., Jen, K.-L.C. and Pek, S. NIH Grant #NIAKDD-RO1-AM20493 (years 10-12, January 1, 1982-December 31, 1984). Obesity and the Regulation of Appetite. direct cost $494,001. (total: $741,002).**

**1982-1983 Hansen, B.C. Research Emphasis Grant Gerontology. (Health Resources Administration). $249,167.**

**1978-1981 Hansen, B.C. Biomedical Research Support Grant, The University of Michigan, NIH Grant #507 RR05796. $73,489.**

**1977-1981 Hansen, B.C., Pek, S. and Schteingart, D. NIH Grant #NIAMDD-RO1-AM20493 (years 05-09, January 1, 1977-December 31, 1981). Obesity and the Regulation of Appetite. Direct cost $541,127. (total: $811,690).**

**1977-1979 Swain, M.A. and Hansen, B.C. Faculty Research Facilitation Grant. The University of Michigan, NIH Grant #RO2 NU00572. Direct cost $190,000.**

**1975-1980 Hansen, B.C. USPHS Grant #RO2 NU00523, Interventions in Problems of Tube Feeding. Direct cost $302,104, (Total $401,501).**

**1973-1976 Hansen, B.C., Goodner, C.J. and Koerker, D.J. NIH Obesity and the Regulation of Appetite. Grant #RO1 AM12617 (years 01-04, January 1, 1973-December 31, 1976). Direct cost $200,301. (total: $300,451)**

**Principal Investigator of many and diverse Pharmaceutical Industry Grants and Contracts (and other non-pharma Research Support from Foundations and other non-profits) (details below)**

**2013-2014 Hansen, B.C. Sponsor: XOMA Inc., XMeta PK, PD and Efficacy in Primates. Contract for preclinical research “clinical trial”, Total costs (10 months) Awarded DC + IC: $856,500 ($400,000 returned to XOMA by USF in 2014..**

2007-2008 Mohapatra, S. and Hansen, B.C. Development of nanoencapsulated transposen system targeting ovarian cancer in NHP. DOD A05-177 #A2-2705. SBIR (US Army) to Transpogenex Nanobiotech, Inc. subcontract to Univ So FL, Tampa. Direct cost: $200,000 for primate portion of research (+IC).

**2004-2005 Hansen, B.C. Efficacy of liraglutide and glimepiride in diabetic nonhuman primates.**

**Novo Nordisk. Direct cost: $36,588; (total $54,418). (Continued study of GLP-1 Receptor Agonist NN2211 (Liraglutide)—(see below 2000-2001 ---NN2211)**

2003-2004 Hansen, B.C. Evaluation of GW019: Extension of PPAR efficacy studies in obese, pre-diabetic rhesus monkeys. GlaxoSmithKline. Direct Costs: $141,543: (total $206,653).

2003-2004 Hansen, B.C. Pharmacokinetic and efficacy study of LP-1 on diabetic rhesus monkeys. Lilly Laboratories. Direct Costs: $247,192: (total $360,900).

2003-2004 Hansen, B.C. Physiological effects of PPAR RO4552952 on feeding behavior, body weight and blood variables. Hoffman-LaRoche. Direct Costs: $157,590: (total $230,081).

2003-2004 Hansen, B.C. Implantable glucose sensor exploratory non-human primate study. Sensors for Science and Medicine, Inc (SMSI). Direct Costs: $74,409: (total $108,638).

2003-2004 Hansen, B.C. Evaluation of GW709135: Extension of PPAR efficacy studies in obese, pre-diabetic rhesus monkeys. GlaxoSmithKline. Direct Costs: $181,959: (total $265,660).

2002-2003 Hansen, B.C. Study of PPAR GW956 in prediabetic rhesus monkeys.

GlaxoSmithKline. Direct Costs: $213,543: (total $311,774).

2002-2003 Hansen, B.C. Ro0728804 Pharmacokinetic and Efficacy Study in Obese Prediabetic Rhesus monkeys (PPAR Co-Agonist). Roche. Direct Costs: $365,507: (total $533,641).

2002-2003 Hansen, B.C. Efficacy studies of PPAR-delta agonist (LY1, LY2, and LY3) in Obese Rhesus monkeys. Lilly. Direct Costs: $626,729: (total $915,022).

2002-2003 Hansen, B.C. Retinopathy in diabetic rhesus monkeys. (M. Johnson PI)

 Juvenile Diabetes Research Foundation. Direct Costs: $31,033 (total $34,136).

2001-2003 Hansen, B.C. Efficacy study with GW 677954 & GW693085 in obese, pre-diabetic Rhesus monkeys. Glaxo/SmithKline. Direct Costs: $165,994; (total $242,351).

2001-2002 Hansen, B.C. Differential gene expression with PPAR agonists in obese pre-diabetic Rhesus monkeys. Glaxo/SmithKline. Direct Costs: $522,508; (total $653,134).

2001-2002 Hansen, B.C. Effects of K-111 on muscle and liver glycogen metabolism and dyslipidemia. Kowa Company, Ltd. Direct Costs: $297,689 (total $372,111).

2000-2002 Johnson, M.A. (PI), Hansen, B.C. (Co-Investigator) Rodenstock Scanning Laser Ophthalmoscope (SLO). Juvenile Diabetes Research Foundation. Direct Costs: $159,212 (total $175,133).

2000-2001 Hansen, B.C. Efficacy study with GW584148 in obese pre-diabetic Rhesus monkeys. GlaxoWellcome Research and Development. Direct Costs: $33,385 (total $36,723).

2000-2001 Hansen, B.C. Evaluation of new antidiabetic agent BRL49653 Rosiglitazone. SmithKline Beecham Pharmaceuticals. Direct costs: $106,552 (total $133,190).

2000-2001 Hansen, B.C. Study of glucose and insulin dynamics. Chiron. Direct Costs: $80,930 (total $101,162).

2000-2001 Hansen, B.C. Physiological effects of NN2211 Liraglutide on feeding behavior. Novo Nordisk. Direct Costs: $95,258 (total $119,073). (NOTABLE here: Discovery of the Appetite suppressing and weight reducing activity of Liraglutide (ONE OF THE EARLY GLP-1 RECEPTOR AGONISTS—A DIRECT AND WELL RECOGNIZED AND EXACT PREDECESSOR OF THE CURRENT BLOCK BUSTERS SEMAGLUTIDE, WEGOVY, MOUNJARO AND THE ENTIRE CLASS!!) (WE WERE THE FIRST TO PUBLISH OUR RESEARCH LABORATORY FINDINGS OF GLP-1 RECEPTOR AGONISTS AS BOTH ANTI DIABETEC AND ANTI OBESITY!!!)

2000-2001 Hansen, B.C. Efficacy study of new antidiabetic compound (TAK 559) in rhesus monkeys. Takeda Chemical Industries, Ltd. Direct Costs: $148,102 (total $185,127).

2000-2001 Hansen, B.C. Efficacy study of a PPAR-alpha agonist (GW735X) in obese rhesus monkeys, combination with GW516A. GlaxoWellcome. Direct Costs: $214,093 (total $267,617).

2000-2001 Hansen, B.C. Ophthalmic study on diabetic rhesus monkeys. (M. Johnson, PI). Juvenile Diabetes Research Foundation. Direct Costs: $33,385 (total $36,723).

1999-2002 Hansen, B.C. Efficacy study of GW570X in obese rhesus monkeys. GlaxoWellcome. Direct Costs: $170,992 (total $213,740).

1999-2000 Hansen, B.C. Additional Study of PPAR-gamma BRL49653. SmithKline Beecham. Direct Costs: $106,552 (total $133,190.

1999-2000 Hansen, B.C. Efficacy study of GW544X and GW516A in obese rhesus monkeys. GlaxoWellcome. Direct Costs: $215,111 (total $268,889).

1998-2000 Hansen, B.C. Effects of GW1771 on single meal food intake in monkeys. GlaxoWellcome. Direct Costs: $57,739 (total $72,714).

1998-2000 Hansen, B.C. Effects of BDNF in early phase 8 hyperglycemic monkeys. Regeneron Pharmaceuticals. Direct Costs: $105,454 (total $131,818).

1998-1999 Hansen, B.C. NIH: Ommaya artificial organ for islet transplantation. NIDDK R44-DK47145-02A2. In collaboration with Cyborgan, Inc. $123,623 (total $180,421).

1998-1999 Hansen, B.C. Effects of a new antidiabetic compound (BM 17.0744) on insulin action. Kowa Company, Ltd. Direct costs: $105,860 (total $132,325).

1998-2000 Hansen, B.C. Efficacy study of PPAR delta agonist GW516 in obese rhesus monkeys. GlaxoWellcome. Direct Costs: $156,465 (total $195,581).

1998-2000 Hansen, B.C. Study of new anti-diabetic agent (R-102380) in obese monkeys with NIDDM. Sankyo. Direct costs: $85,000 (total $106,250).

1998-1999 Hansen, B.C Effects of chronic dosing of G1248573X. GlaxoWellcome. Direct costs: $77,346 (total $96,708).

1997-1999 Hansen, B.C. and Fasano, A. Innovative oral delivery system in normal and diabetic monkeys. NIH. (A. Fasano, Principal Investigator). Direct Costs: $20,000.

1997-1998 Hansen, B.C. Evaluation of new antidiabetic agent BRL49653. SmithKline Beecham Pharmaceuticals. Direct costs: $187,669 (total $234,586).

1997-1998 Hansen, B.C. Exendin, Exenatide acute subcutaneous dose rising in anesthetized diabetic primates. Amylin Pharmaceuticals. Direct costs: $53,167 (total: $65,103).

1997-1998 Hansen, B.C. Fluorescein dye study of primate retinopathy. University of Pennsylvania, NIH grant subcontract. Direct costs: $7,620 (total: $11,125).

1997-1998 Hansen, B.C. An efficacy study of the hypolipidemic and anti-obesity capacity of a selective PPAR agonist in obese rhesus monkeys as compared to the fibrate compound, Fenofibrate. Glaxo Wellcome, Inc. Direct costs: $153,014 (total: $191,268).

1996-1997 Hansen, B.C. Effects of GR265261X b3 agonist on plasma glucose, insulin triglycerides and weight in obese rhesus monkeys. Glaxo Wellcome Inc. Direct costs: $96,218 (total: $120,273).

1996-1997 Hansen, B.C. Molecular biology of insulin action. Millennium Pharmaceuticals, Inc., Direct costs: $42,000 (total $50,400).

1996-1997 Hansen, B.C. Study of new oral anti-diabetic agent in obese monkeys with NIDDM. Sankyo Company Limited. Direct costs: $238,695 (total $285,695).

1995-1996 Hansen, B.C. and Bodkin, N.L. Effects of G1235107X and CCK-8 on food intake in obese rhesus monkeys. Glaxo Research Institute. Direct costs: $68,308 (total $85,385).

1995-1996 Bodkin, N.L. and Hansen, B.C. The effects of IGF-1 in rhesus monkeys. Genentech Inc. Direct costs: $240,616 (total $300,700).

1994-1995 Hansen, B.C. and Bodkin, N.L. Clinicopathological features of NIDDM in monkeys with effects of compound 112094. Merck Research Laboratories. Direct costs: $205,036 (total: $257,283).

1992-1993 Hansen, B.C. Obesity & Diabetes Research Center support. Boehringer Mannheim, Inc. ($152,249).

1992-1994 Hansen, B.C., Bodkin, N.L. and Ortmeyer, H.K. Obesity & Diabetes Research Center support. Mead-Johnson Pharmaceuticals. ($170,000).

1988-1989 Hansen, B.C. Mechanisms of Hyperlipidemia. Medlantic Research Foundation. $116,500.

1988-1989 Hansen, B.C. Obesity and Metabolism Research. Merck, Sharp and Dohme Co. $34,000.

1987-1988 Hansen, B.C. Recombinant IGF-Physiological Function. Lilly Laboratories. $50,971.

1984-1985 Hansen, B.C. Glucose Utilization and Potentiation of Insulin Action. The Whittier Institute for Diabetes and Endocrinology. $2,500.

1984-1985 Hansen, B.C. Fiber Effects on Glucose Tolerance. Ross Laboratories. $3,000.

1981-1984 Hansen, B.C. and Jen, K.-L.C. Behavioral Regulation of Appetite in Monkeys. Gerber Inc. $15,000.

1980-1982 Hansen, B.C. Obesity Relation to Fat Cell Size and Nutrition Intake. Beauchamp Feeding and Nutrition Fund. $9,416.

1980-1982 Hansen, B.C. and Jen, K.-L.C. Parenteral Nutrition and Its Effects on Appetite in Monkeys. Abbott Laboratories Research Grant #80309. $9,416.

1976-1978 Hansen, B.C. Osmolality and Lactose Content Interactions in Tube Feeding Diets. Ross Laboratories Research Grant #CP5543. $15,000.

1971-1973 Hansen, B.C. Lactose as a Factor in Diarrhea with Tube Feedings. Research Grant #5507. Ross Laboratories. $10,000.

**NOTE that these two above studies supported by Ross Laboratories in our Primate Lab resulted in the removal of LACTOSE from all enteral feeding formulas and “liquid diets” (multiple companies!)**

1971-1973 Hansen, B.C. Feeding and Behavior. Institutional Grant (I-171 funds), University of Washington. $14,895.

# TRAINING GRANTS (as PI)

1. **Hansen, B.C. (Shuldiner, A.S., P.I.) Research Support Training Grant. Juvenile Diabetes Foundation. $2500.**

**1993 Hansen, B.C. (Shuldiner, A.S., P.I.) Research Support Training Grant. Juvenile Diabetes Foundation. $2500.**

**1979-1982 Hansen, B.C. Ph.D. Program Training Grant. USPHS Grant #NU00114. Direct costs $553,721.**

**1977-1978 Hansen, B.C. and Loomis, M. Doctoral Program Training Grant. NIMH Grant #T01 MH 14108. Direct cost $135,642.**

# PUBLICATIONS

# JOURNAL ARTICLES

Yang, Zunyuan, Su, Wei, Liang, Yinan, Wang, Xuesong, Gong, Li, Yao, Zunwei, Zeng, Licai, Wu, Mingling, Yang, Zhenyan, Hansen, Babara C., Wen Zeng, and Xia, Guangxia. Efficacy and safety of SPH 3127 in rhesus monkeys with spontaneous chronic kidney disease complicated with chronic heart failure. American Journal of Nephropathy, under revision, 2024.

Chaudhari, U and Hansen B.C. Amylase and lipase levels during the development of the metabolic syndrome and type 2 diabetes: a longitudinal study in rhesus monkeys. Physiological Reports, Accepted May 2024. In press.

Harrison, Daniel, Alford, Nicholas, Mahler, Raegan, Nguyen, Tam, Shah, Ria, Kavanaugh, Megan and Hansen, Barbara C. Long term effects on metabolic parameters of significant weight reduction (>25%) by VLCD compared to GBP in diabetic vs obese without diabetes (Patients vs Nonhuman) Primates). American Physiology Summit 2023 The Journal of Physiology 38 (S1) doi:: 10: 1152 physiol2023 98.51.5731774.

# Prajapati, Santosh K., Shah, R., Alford, N., Mishra, S.P., Jain, Shaini., Hansen, Barbara, Sanberg, Paul, Molina A.J.A., and Yadav, Hariom. The triple alliance: microbiome, mitochondria, and metabolites in the context of age-related cognitive decline and Alzheimer’s disease.

The Journals of Gerontology: Series A*, Volume 78, Issue 12, December 2023, Pages 2187–2202,* [*https://doi.org/10.1093/gerona/glad226*](https://doi.org/10.1093/gerona/glad226)*.*

Chaudhari, Uddhav and Hansen, B.C. Low serum creatinine, a surrogate marker of muscle mass, correlates with insulin sensitivity in nonhuman primates. Journal of Medical Primatol. 2023;00:1-8. Doi:10.1111/jmp.12633. (52: 100-107, 2023)

Chaudhari, Uddhav K., Newcomb, J.D., Jen, K-L.C. and Hansen, Barbara. Iron deficiency, but not anemia, is identified in naturally occurring obesity and insulin resistance in male nonhuman primates. Journal of Medical Primatology 51: , 2022

Sajan, M.P., Hansen, B.C., Duncan, M.A., Kindy, M.S., Cooper, D.R. and Farese, R. V. Roles of hepatic atypical protein kinase C hyperactivity and hyperinsulinemia in insulin-resistant forms of obesity, and type 2 diabetes mellitus. *MedComm* 2:3-16, 2022.

Fukumoto, J., Patil, S.S., Krishnamurthy, S., Saji, S., John, I., Narala, V., Hernandez-Cuervo, H., Breitzig, M., Alleyn, M., Galam, L., Soundararajan., R., Chaudhari, U., Hansen, B. C., Lockey, R., Kolliputi, N. Expansion of p63-positive CCSP-positive epithelial cells and altered expressions of p63 isoforms in the lung as novel features of aging. Am J Physiology Cell Physiol. 2019 Apr 1; 316(4): C492-C508. https;//doi.org/10.1152/ajpcell.00330, 2018.

Malone, J. I. and Hansen, B.C. Does obesity cause type 2 diabetes (T2DM)? Or is it the opposite? Pediatric Diabetes, 20: 1, October 2018, (PMID: 30311716).

Luca, G., Baroli, T., Arota, I., Hansen, B.C., Cameron, D. and Calafiori, R. Role of Sertoli cell proteins in immunomodulation. Protein Pept Lett, 25(5):440-445, 2018. (PMID: 29651939).

Sajan, M.P., Hansen, B.C., Higgs-Farese, M., Kahn, C.R., Braun, U., Leitges, M., and Farese, R.V. Atypical PKC, PKC , activates β-secretase and increases Aβ 1-40/42 and phospho-tau in mouse brain and isolated neuronal cells, and may link hyperinsulinemia and other aPKC activators to development of pathological and memory abnormalities in Alzheimer’s Disease. Neurobiology of Aging, 61:225-237, 2018. (PMID: 29032894).

Luca, G., Arato, I., Calvitti, M., Mancuso, F., Sorci, G., Cameron, D.F., Nastruzzi, C., Chiappalupi, S., Salvadori, L., Hansen, B.C., Baroni, T., Bodo, M., Donato, R., White, D.G.J. and Calafiore, R. Sertoli cells for cell therapy: current status and future perspectives. Andrology, 6(3):385-395, 2018. (PMID: 29600532).

Hansen, B.C., Gografe, S., Pritt, S., Jen, K.-L. C., McWhirter, C.A., Barman, S.N., Comuzzie, A, Greene, M., McNulty, J.A., Michele, D.E., Moaddab, N., Nelson, R.J., Norris, K., Uray, K.D., Banks, R., Westlund, K.N., Yates, B. J., Silverman, J., Hansen, K.D., Redman, B. Ensuring due process in the IACUC and animal welfare setting: considerations in developing noncompliance policies and procedures for institutional animal care and use committees and institutional officials. The FASEB Journal, 31(10): 4216-4225, 2017. (PMID:28821637).

Hansen, B. C. Progressive nature of obesity and diabetes in nonhuman primates. Obesity, 25(4): 663-664, 2017. (PMID: 28349666).

Luca, G., Arato, I., Calvitti, M., Falabella, G., Murdolo, G., Basta, G., Cameron, D., Hansen, B., Fallarino, F., Baroni, T., Aglietti, M.C., Tortoioli, C., Bodo, M. and Calafiore, R. Xenograft of microencapsulated sertoli cells restores glucose homeostasis in db/db mice with spontaneous diabetes mellitus. Xenotransplantation, 23(6): 429-439, 2016. (PMID: 27678013).

Ryan, D. H., Hansen, B. H. and Cefalu, W. T. George A. Bray: Progress in obesity – Multidisciplinary research, multidimensional man. Diabetes Care, 39(9): 1481-5, 2016. (PMID: 27555621)

Sajan, M. P., Hansen, B. C., Ivey, R. A. III, Sajan, J. P., Ari, C., Song, S., Braun, U., Leitges, M., Farese-Higgs, M. G. and Farese, R. V. Brain insulin signaling is increased in insulin-resistant states

and decreases in FoxOs and PGC-1α and increases in Aβ1-40.42 and Phospho-Tau may abet

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Gografe, S.I., Hansen, B.C. and Hansen, K.D. Deep subconjunctival injection in macaques (*Macaca mulatta* and *Macaca fascicularis*) as a therapeutic method for the treatment of bacterial conjunctivitis. Lab Animal 44(3): 92-6, 2015. (PMID: 25693106)

Dhurandhar, N. V., Schoeller, D., Brown, A. W., Heymsfield, S. B., Thomas, D., Sorensen, T. I. A., Speakman, J. R., Jeansonne, M., Allison, D. B. and The energy balance measurement working group. Energy balance measurement: when something is not better than nothing. Int. J. Obes. 39(7): 1109-1113, 2015. (PMID: 25394308)

Levitsky, D. A., Brown, A. W., Hansen, B. C., Atkinson, R. L., Byrne, N., Cheskin, L. J. and Allison, D. B. An unjustified conclusion from self-report-based estimates of energy intake. Amer. J. Med. 127(12): 1137-1254, 2014. (PMID: 25481208)

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Schoeller, D. A., Thomas, D., Archer, E., Heymsfield, S. B., Blair, S. N., Goran, M. I., Hill, J. O., Atkinson, R. L., Corkey, B. E., Foreyt, J., Dhurandhar, N. V., Kral, J. G., Hall, K. D., Hansen, B. C., Heitmann, B. L., Ravussin, E. and Allison, D. B. Self-report-based estimates of energy intake offer an inadequate basis for scientific conclusions. Am. J. Clin. Nutr., 97(6): 1413-1415, 2013. (PMID: 23689494)

Wang, X., Hansen, B.C., Shi, D., Fang, Y., Du, F. Wang, B. Chen, Y.M., Gregoire, F.M. and Wang, Y.-X.J. Quantification of β-cell insulin secretory function using a graded glucose infusion with C-peptide deconvolution in dysmetabolic, and diabetic cynomolgus monkeys. Diabetology & Metabolic Syndrome 5(40): 1-9, 2013. (PMCID: PMC3728033) DOI: 10.1186/1758-5996-5-40

Hansen, B.C. Nonhuman primate advances in nutrition research. Am J Clin Nutr 98(2): 264-265, 2013. (PMCID: PMC 23824719)

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Hansen, B. C., Newcomb, J. D., Chen, R., and Linden, E. H. Longitudinal dynamics of body weight change in the development of type 2 diabetes. Obesity, 21(8): 1643-49, 2013. (PMCID: PMC 23713008) DOI:10.1002/oby.20292.

Hansen, B. C. Investigation and treatment of type 2 diabetes in nonhuman primates. Methods Mol Biol 933: 177-185, 2012. (PMCID: PMC 22893407) DOI: 10.1007/978-1-62703-068-711.

Yin, W., Carballo-Jane E., McLaren, D. G., Mendoza, V. H., Gagen, K., Geoghagen, N. S., McNamara, L. A., Gorski, J. N., Eiermann, G. J., Petrov, A., Wolff, M., Tong, X., Wilsie, L. C., Akiyama T. E., Chen, J., Thankappan, A., Xue, J., Ping, X., Andrews, G., Wickham, L. A., Gai, C. L., Trinh, T., Kulick, A. A., Donnelly, M. J., Voronin, G. O., Rosa, R., Cumiskey, A.-M., Bekkari, K., Mitnaul, L. J., Puig, O., Chen, F., Raubertas, R., Wong, P. H., Hansen, B. C., Koblan, K. S., Roddy T. P., Hubbard, B. K., and Strack, A. M. Plasma lipid profiling across species for the identification of optimal animal models of human dyslipidemia. Journal of Lipid Research 53: 51-65, 2012. (PMCID: PMC 22021650)

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## ABSTRACTS AND BRIEF PUBLICATIONS

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**LECTURES, PRESENTATIONS AND DOCUMENTARY:**

Gografe, Sylvia and Hansen, Barbara C. Diabetes mellitus type 2 and associated complications in Macaques. Florida Branch of the American Association for Laboratory Animal Science, June 8, 2024.

Hansen, B.C. Adding variability to the “soup”: Within subject metabolic variation and major longitudinal trajectories. Microbiome Institute of the University of South Florida May 12, 2022.

Hansen, B.C. The longitudinal development and progression to Type 2 Diabetes—discovery of the earliest predictive changes. Italian Society of Diabetes, Terni, Italy September 17, 2022.

**Hansen, B.C. Scientific Director, Documentary entitled “FAT”, Produced, directed and written by Sarah Holt, for NOVA (Released April 2020) PBS special**

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Hansen, B.C. Nephropathy progression in the normal to MetSyn to DM continuum and biomarker analysis. University of Texas Medical Branch: Division of Nephrology, June 15, 2018.

Hansen, B.C. Longitudinal perspectives on the metabolic syndrome and T2DM (The physiology of progression and prevention). University of Texas Medical Bra(nch, Galveston -- Internal Medicine, June 14, 2018.

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Hansen, B.C., Liang, Z., Sun, F., Yang, Z., Tang, C., Chen, Z., Shen, Y., Yao, Z., Wu, M., Chen, Y., Gao, F., Zeng, W., Cusi, K. Nonalcoholic fatty liver disease (NAFLD) in obese nonhuman primates (NHPs) is comparable to humans for metabolic features, histology and imaging. Keystone Symposium on Bile Acids Receptors as Signal Integrators in Liver and Metabolism, Monterey, CA, March 2017.

Hansen, B.C. Optimal animal model for naturally occurring NAFLD. Invited lecture to the Asian Pacific Association fr the Study of Liver (APASL), Shanghai, China, February, 2017.

Hansen, B.C. Weight questions. What we know and don’t know. Woman’s Service League of Hillsborough. January 10, 2017.

Hansen, B.C. New dietary guidelines for Americans: What we know and what we don’t know. Roy H Benke, MD Grand Rounds Lecture Series, Univeristy of South Florida, Department of Internal Medicine, October 6, 2016.

Hansen, B.C. Obesity Alliance. A longitudinal study of obesity and type 2 diabetes: lessons regarding the new dietary and obesity guidelines. University of Florida Grand Rounds, Sept. 20, 2016.

Hansen, B. C. Symposium Chair: Cardiovascular and Metabolic Diseases. And lecture: Essential or primary hypertension in nonhuman primates: Optimal model for pharmaceutical proof of concept efficacy evaluation. 14th Annual Congress of International Drug Discovery Science and Technology. Gyeonggi, South Korea, June 16-18, 2016.

Hansen, B. C. The new dietary guidelines: what we know and concerns. University of South Florida, Morsani College of Medicine, Department of Pediatrics Grand Rounds, June 2, 2016.

Hansen, B. C. Metabolic Syndrome: Physiology of progression and prevention. University of Perugia, Perugia, Italy, October 1, 2015.

Hansen, B. C. Nonhuman Primates in drug development. Sichuan-Primed, Chengdu, China, August 21, 2015.

Hansen, B. C. Obesity prevention and the current state of the science. Institute for Healthy Living,The University of Texas at El Paso, College of Health Science, El Paso, TX, March 2015.

Hansen, B. C. Type 2 diabetes: when does it really begin (initial causation)? Implication for diagnosis and treatment. Department of Endocrinology and Metabolism, University of Florida, February, 2015.

Hansen, B. C. Development and Progression of Type 2 Diabetes in Nonhuman Primates: Implications for pharmaceutical development. PriMed Primate Research Center, Chengdu, China December 5, 2014.

Hansen, B. C. Obesity and Type 2 Diabetes: Physiology and Prevention. Grand Rounds, Department of Pediatrics, University of South Florida,Tampa, FL,October, 2014.

Hansen, B. C. Diabetes and Obesity: Physiology, Pharmacology, and Prevention. Department of Internal Medicine Grand Rounds, University of South Florida, Tampa, FL, October, 2014.

Hansen, B. C. The natural history of obesity and diabetes in nonhuman primates: Understanding human type 2 diabetes. Plenary Lecture for Diabetes Dialog, Watermeadow Medical Limited, Paris, France, November, 2013.

Hansen, B. C. Metabolic syndrome, type 2 diabetes and diabetic nephropathy in nonhuman primates: Physiology and pathophysiology. International Conference of Physiological Sciences, Suzhou, China, November 2, 2012.

Hansen, B. C. Update on diabetic and prediabetic primates: molecule efficacy and strategic combinations. Diabetes Summit 2012, Boston, MA, April 19, 2012.

Hansen, B. C., The chronomics of obesity, insulin secretion, insulin action and the MultipleKglucose-determined glucose tolerance identified flaws in causal inferences based on their associations. European Congress on Obesity, Istanbul, Turkey, May 28, 2011.

### Hansen, B. C. Nonhuman primate models of diabetes: Relevance for humans. NIH Conference Drug Response- A Tool for Understanding the Systems Biology of Type 2 Diabetes, Bethesda, MD, April 21, 2011.

Shum, L., Hansen, B. C., and King, K. B. A non-human primate model to study sex and age determinants of the prevalence and/or progression of osteoarthritis. Laura Shum Women’s Health Research Day, University of Colorado, Denver, CO, 2011.

### Hansen, B.C. Type 2 diabetes and its complications are virtually identical in humans and nonhuman primates providing unique value for translating new drugs from discovery to clinics. 4th International Symposium on Primate Research Kunming, China, October 16, 2010.

### Hansen, B.C. The body weight/adiposity trajectory in prediabetes: Longitudinal interactions with β-cell function and insulin secretion. Japan-Korea-USA Obesity Symposium. Japan Association for the Study of Obesity, Maebashi, Japan, October 1, 2010.

Hansen, B.C. Type 2 diabetes in Nonhuman Primates: implications for islet transplant in humans, Diabetes Research Center, University of Minnesota, Minneapolis, MN, December 8, 2010.

### Hansen, B. C. Diabetic nephropathy in the nonhuman primates, The Inaugural Stereology and Its Application in Kidney Disease Symposium: Using Stereology to Quantify Renal Structural Pathology, University of California, Los Angeles, CA, May 2010.

Hansen, B.C. Differentiating The Aging vs. Prediabetic Trajectories in Middle- Aged. Aging Nonhuman Primates. Symposium: Nonhuman primates: The Leading Translational Model for Investigations into the Biology of Healthy Aging, Gerontology Society of America Atlanta, GA Nov. 18-22, 2009.

Hansen, B.C. Metabolic Syndrome and type 2 diabetes in nonhuman primates: consequences of calorie restriction NIH; National Institute on Aging intramural program, Bethesda, MD Jul. 13, 2009.

Hansen, B.C. The chronomics of obesity, metabolic syndrome, and diabetes: toward prevention, USF College of Nursing Distinguished Lecture, Tampa, FL Jun. 26, 2009.

### Hansen, B. C. Symposium: Welfare Considerations in Animal Models of Diabetes (Chair and lecture) AALAS, Denver, CO, 2009.

Hansen, B.C. Type 2 naturally occurring diabetes in nonhuman primates: functional and molecular studies, University of Lund, Diabetes Research Center, Lund, Sweden, May 5, 2009.

Hansen, B.C. Preconference Workshop: New Animal Models to Enable Early Preclinical Prediction of Efficacy and Cardiovascular Effects for Metabolic Disease Therapeutics: Chairperson Opening remarks, Boston, MA, March 23, 2009.

Hansen, B.C. IBC 7th Annual Conference: The Nonhuman Primate Preclinical Model of Metabolic Diseases Reflects the Human Syndromes, Targeting Metabolic Disorders, Boston, MA, Mar. 24, 2009.

Hansen, B.C. NIH US/Japan Biomedical Research Conference, The Chronomics of the Metabolic Syndrome and Diabetes: the newest “omic” and related biomarkers, University of Hanoi, Hanoi Vietnam, Oct. 30, 2008.

Hansen, B.C. NIH US-Japan Biomedical Research Conference: Type 2 diabetes and the metabolic syndrome, Ho Chi Minh City, Vietnam, October 27, 2008.

Hansen, B. C. CBI 4th Annual Obesity Summit: Role of Biomarkers in Preclinical and Clinical Development, Arlington, VA, Jul.24, 2008.

Hansen, B.C. Results from a primate model of obesity and CR: middle aged, weight gain

prevention. Body Weight, Adiposity, Energetics, and Longevity Conference, St. Simons

Island, GA Nov. 29 – 30, 2007.

Hansen, B.C. Primate Studies of Diabetic Complications in Naturally Occurring Type 2 Diabetes:

Seeking initiating events, multisystem/multiorgan interactions and biomarkers. Trans NIH

Diabetic Complications Working Group, Bethesda, MD Sept. 23 – 24, 2007.

Hansen B.C. Functional screening of drugs in non-human primates. CBI Obesity Symposium,

Washington, D.C., July, 2006.

Hansen, B.C. Health, diet, and mortality, CBI Obesity Symposium, 2006

Hansen, B.C. Monkeying around in the genetics of metabolism. 66th Annual Meeting of the ADA,

Washington, DC, June 9-13, 2006.

Hansen, B.C. Non-human primates as models in basic and preclinical research: examples from aging,

diabetes, and cardiovascular disease, April 2006.

Hansen, B.C. Metabolic syndrome and type 2 diabetes: Prevention and treatment in non-human

primates. Combined Endocrine Conference, July 2004.

Hansen, B.C. PPARs and their calorie-restriction mimetic effects in nonhuman primates. Keystone – Molecular control of adipogenesis and Obesity 2004.

Hansen, B.C. Identify New Animal Models Used in Discovery and Development of Diabetes. CBI’s 2nd Annual Preclinical Studies and Clinical Trials for Diabetes, Philadelphia, PA, November 13-14, 2003.

Hansen, B. Insulin Resistance and Obesity in Diabetes. ASN The American Society of Nephrology: Renal Week 2003, San Diego, November 12-17, 2003.

Hansen, B.C. Primate Models of Obesity and Type 2 Diabetes. 4th Annual Rachmiel Levine Symposium, Los Angeles, CA, November 4-8, 2003.

Hansen, B. C. Complications of Naturally Occurring Type 2 Diabetes in Non-Human Primates: Implications for Translational Research. NIDDK Diabetic Complications Through Animal Modes, Bethesda MD, October 20-21,2003.

Hansen, B. C. Obesity and the Regulation of Appetite: Lessons from nonhuman primates. NAASO 2003 Annual Scientific Meeting: George Bray Founders Award, Ft. Lauderdale, FL, October 11-15, 2003

Hansen, B. C. Characterizing the Metabolic Syndrome Trajectory: Key to Prevention and Treatment. 13th International Symposium on Atherosclerosis, Kyoto, Japan, September 28 – October 2, 2003.

Hansen, B. C. The old rhesus macaque as a model of human obesity. Copenhagen Obesity Symposium 2003: Obesity the Plague of the New Millennium, Copenhagen Denmark, September 18-21, 2003.

Hansen, B. C. Overview of Underlying Risk Factors: Obesity, Physical Inactivity, Diet, and Aging. AHA Metabolic Syndrome Clinical Management Conference, Washington, DC, September 11-12, 2003.

Hansen, B. C. Moderator – Obesity Clinical Management General Discussion. AHA Metabolic Syndrome Clinical Management Conference, Washington, DC, September 11-12, 2003.

Hansen, B. C. Preclinical Trials in Nonhuman Primates: The Metabolic Syndrome and the Prevention of Diabesity. International Business Communications: Metabolic Syndrome Epidemic of the 21st Century, Boston, MA, August 6 – 8, 2003.

Hansen, B. C. Diabetes and Metabolic Syndrome in Monkeys: Use as research models. Lesson from Animal Diabetes (LAD9): New Genetic and Metabolic Insights into Animal Models of Diabetes, Bar Harbor, ME, June 17-20, 2003.

Hansen, B. C. Obesity, diabetes, and aging in nonhuman primates: longitudinal studies and the effects of calorie restriction. New Iberia Primate Center, LaFayette, LA, June 12, 2003.

Hansen, B. C. Differentiating the Functions of the PPARs. PPARS Transcriptional Regulators of Metabolism and Metabolic Disease. Keystone, CO, February 4-9, 2003.

Schafer, S., Bodkin, N.L., Hansen, B.C., Nakayama, M., Voelkl, A., Fahimi, H.D. and Pill, J. Metabolic alterations induced by K-111, a PPAR alpha activator, in non-human primates. Keystone, CO, February 4-9, 2003.

Bodkin, N.L., Hansen, B.C. and Oliver, W.R. A new potential calorie restriction mimetic agent, PPAR delta agonist, improves hyperinsulinemia and dyslipidemia. Current Perspectives on the Mechanism of Calorie Restriction, Bandera, TX, October 2002.

Oliver, W., Sternbach, D., Bodkin. N. and Hansen, B.C.. Activation of PPAR delta increases HDL cholesterol and lowers serum triglycerides in spontaneously obese, dyslipidemic primates. PPAR meeting in Keystone, California, February 15, 2002.

Angeloni, S.E., Hotta, K., Matsuzawa, Y. and B.C. Hansen. Genetic features of the metabolic syndrome in rhesus monkeys (*Macaca Mulatta*). Tempe, Arizona, ADA/AHA Symposium, December 7-8, 2002.

Bodkin, N.L., Hansen, B.C. and Oliver, W.R. A new potential calorie restriction mimetic agent, PPAR delta agonist, improves hyperinsulinemia and dyslipidemia. National Institute on Aging, Gerontology Research Center, and San Antonio Nathan Shock Aging Center. October, 2002.

Hansen, B.C. PPAR agonists: PPAR gamma and the Metabolic Syndrome. Satellite Symposium: The Metabolic Syndrome: Mechanisms and Treatments, Rio de Janeiro, Brazil, August 30-31, 2002.

Hansen, B.C. PPARs: Opportunities in prevention and treatment of the Metabolic Syndrome. Satellite Symposium to the World Congress on Obesity, Rio de Janeiro, Brazil, August 30-31, 2002.

Hansen, B.C. Prevention of Aging and Age-Related Diseases. Brown University ‘02’ Colloquium Biology of Human Aging, Providence, RI, May 19, 2002.

Hansen, B.C. Fatty Acids, Dyslipidemia, and Insulin Resistance. Experimental Biology, Louisiana, April 24, 2002.

Hansen, B.C. Breaking the Link Between Obesity, Disease and Aging: Tools for The Battle. Experimental Biology, Louisiana, April 21, 2002.

Hansen, B.C. PPARs: Targets for dyslipemias and insulin resistance. University Cologne, Germany, February, 18, 2002.

**Hansen, B.C. Nonhuman primates in the study of obesity and diabetes and their therapeutics. NovoNordisk, Copenhagen, Denmark, January 25, 2002. (First presentation of study data on NN2211 (Liraglutide) showing suppression of appetite and weight reduction.)**

Cowan, C.L., Bodkin, N.L. and Hansen, B.C. Metabolic effects of a β3 AR agonist in obese pre-diabetic monkeys. (poster, not published).

Hansen, B.C. Syndrome X: Precursors of diabetes, dyslipidemia, and hypertension. Down State Medical Center, New York, December 4, 2001.

Hansen, B.C. PPARs: A Link Among Several Risk Factors for Diabetes and Cardiovascular Disease. XIII Congresso Brasileiro De Diabetes. Rio de Janeiro, Brazil, October 10-14, 2001.

Hansen, B.C. Intervening in the Natural History of Type 2 diabetes: PPARs as New Targets for Dyslipidemias and Insulin Resistance. XIII Congresso Brasileiro De Diabetes. Rio de Janeiro, Brazil, October 10-14, 2001.

Hansen, B.C. Overview of the Natural History of the Development of Obesity. Annual Meeting of the North American Association for the Study of Obesity. Quebec City, Canada, October 7-10, 2001.

Hansen, B.C. PPAR δ: A New Therapeutic Target for Atherosclerosis and Diabetes. Troon, Scotland, September 9-13, 2001.

Hansen, B.C. Physiologic basis of obesity related insulin resistance. Federation of American Societies for Experimental Biology: Advances in Obesity - From the Environment to the Gene. Snowmass, CO, August 18-23, 2001.

Hansen, B.C. PPARs: New Targets for Dyslipidemias and Insulin Resistance. 2001 Robert Turner Memorial Conference on Type 2 Diabetes. Southampton, Bermuda, August 9-12, 2001.

Hansen, B.C. The natural history of type 2 diabetes and the metabolic syndrome: New targets for intervention. Osaka University, 1st Department of Internal Medicine. Osaka, Japan, July 30, 2001.

Hansen, B.C. Mechanisms of the prevention of diabetes by mitigation of obesity. The 8th International Workshop on Lessons from Animal Diabetes. Tokyo, Japan, July 24-26, 2001.

Hansen, B.C. PPAR: A New Target for Dyslipidemia. American Diabetes Association 61st Annual Meeting & Scientific Session. Philadelphia, PA, June 22-26, 2001.

Hansen, B.C. Calorie Restriction and Slowing Aging in Primates. The Endocrine Society’s 83rd Annual Meeting. Denver, Co, June 20-23, 2001.

Hansen, B.C PPAR: New Target for Dyslipidemia. The Endocrine Society’s 83rd Annual Meeting. Denver, CO, June 20-24, 2001

Hansen, B.C. Update on PPAR δ *in vivo*. Nuclear receptors and clinical applications, Denver, CO., June 20-24, 2001.

Hansen, B.C. Calorie restriction and slowing aging in primates. Endocrinology of Life-Span Extension: Can hormones affect how fast we age? ENDO 2001, Denver, CO, June 20-24, 2001.

Hansen, B.C. PPAR Delta: New Target for Dyslipidemia. Endocrinology Grand Rounds. Baltimore, MD, June 11, 2001.

Hansen, B.C. Natural history of metabolic syndrome X in rhesus. American Aging Association 30th Annual Meeting, Madison, Wisconsin, June 4, 200

Hansen, B.C. Obesity/Weight Loss. Pharmanex Scientific Advisory Board Meeting, Sundance, Utah, May 24-25, 2001.

Hansen, B.C. PPARδ: A new target for dyslipidemia. The PPAR Nuclear Receptor Family in diabetes and Dyslipidemia: Expanding the Therapeutic Targets. Satellite Symposium at AACE. San Antonio, TX, May 4, 2001.

Hansen, B.C Lipid metabolism in nonhuman primates. LipidSciences, Oakland, CA, April 25-26, 2001.

Oliver, W., Sternbach, D., Bodkin, N. and B.C. Hansen. Activation of PPAR delta increases HDL cholesterol and lowers serum triglycerides in spontaneously obese, dyslipidemic primates. The Endocrine Society’s 83rd Annual Meeting, Denver, Colorado, June 20-23,2001.

Pill, J., Nakayama, M., Bodkin, N.L., Hansen, B.C. and K. Meyer. Lipid modulating and antidiabetic potency of the PPARa activators BM 17.0744 and bezafibrate. First International Symposium on PPARs: From Basic Science to Clinical Applications, Florence, Italy, April 4-7, 2001.

Hansen, B.C. Calorie restriction and the Metabolic Syndrome. U.S. -Japan Nutrition and Metabolism Panel meeting, Tokyo, Japan, March 20-23, 2001.

Hansen, B.C. Calorie restriction, nutrient intake regulation and their relationships to diabetes, glucose intolerance and the Metabolic Syndrome X in non-human primates. NIEHS: Diets, Antioxidants and Environmental Influences on Health and Disease. Research Triangle Park, NC, March 13-14, 2001.

Hansen, B.C. Obesity and Type 2 diabetes in non-human primates. Genetics Institute, Cambridge, MA, March 16, 2001.

Hansen, B.C. Natural history of Type 2 diabetes. Howard University, Department of Pharmacology Seminar, Washington, D.C., January 24, 2001.

Hansen, B.C. Syndrome X. Xenical Diabetes Advisory Board Meeting, Atlanta, GA, January 9-10, 2001.

Hansen, B.C. Prevention of diabetes and obesity. Research Presentation, University of Maryland

 School of Medical Board of Visitors. Center Club, Baltimore, MD, November 29, 2000.

Hansen, B.C. BM17.0744: A modulator of the lipid and carbohydrate metabolism via PPAR alpha activation. Clinical Lipid Metabolism, Maikammer, Germany, December 2, 2000.

Hansen, B.C. Impact of obesity and its treatment on glucose metabolism and insulin resistance. Non-

 Pharmacological Approaches to Glycemic Control. San Diego, California, November 10-12,

2000.

Hansen, B.C. Chronic obesity is becoming a treatable, manageable disease. Bridges to Success-- Emerging strategies for weight management. NAASO Annual Meeting, Long Beach, California, October 29, 2000.

Hansen, B.C. Southwestern Foundation for Biomedical Research, San Antonio, Texas, June 9, 2000.

Hansen, B.C. Syndrome X – A Concept. Pharmanex, Brisbane, California, May 9, 2000.

Hansen, B.C. The Natural History of Diabetes and Obesity, Synaptic Pharmaceutical Corporation, Paramus, New Jersey, June 1, 2000.

Hansen, B.C. Calorie Restraint to maintain stable adult weight: Improved morbidity and mortality U.S.- Japan meeting, 2000.

Hansen, B.C. Metabolic syndrome X. GlaxoWellcome, Research Triangle Park, North Carolina, October 25, 1999.

Hansen, B.C. Obesity: The Public Health Crisis, American Obesity Association, Washington, D.C. September 15, 1999.

Hansen, B.C., Hotta, K., Yoshioka, S., Horikoshi, H., Ortmeyer, H. and Bodkin, N.L. Effects on adipose tissue gene expression of chronic treatment of rhesus monkeys with a thiazoldinedione (R102380). Ancona, Italy, June 6-8, 1999.

Hansen, B.C. Lessons from longitudinal life-time studies in monkeys. 4th International Clore Symposium and NIDDM: Progress on new molecular targets. Buckingham, UK, July 2, 1999.

Hansen, B.C. Effects of preventing obesity. Department of Epidemiology and Preventive Medicine Visiting Lecture Series, University of Maryland, May 13, 1999.

Hansen, B.C. The natural history of the early development of Type 2 Diabetes and the metabolic Syndrome X: Implications for cause and early intervention. Society for Endocrinology, Metabolism and Diabetes of South Africa, Durban, South Africa, April 21, 1999.

Hansen, B.C. Prevention of obesity positively affects all features of the metabolic syndrome X, while producing unique shifts in metabolism. Society for Endocrinology, Metabolism and Diabetes of Southern Africa, Durban, South Africa, April 20, 1999.

Hansen, B.C. Primate model of Type 2 diabetes and pharmacological investigations. Novo Nordisk, Copenhagen, Denmark, April 13, 1999.

Hansen, B.C. Thiazolidinediones and insulin sensitivity. Robinsons College, Essex, England, April 14, 1999.

Hansen, B.C. Molecular biological studies on energy balance and insulin resistance in animals. Insulin resistance syndrome conference. Robinsons College, Cambridge, United Kingdom, April 16, 1999.

Ortmeyer, H.K. and Hansen, B.C. Insulin effect on liver glycogen synthase kinase-3, protein kinase A, protein phosphatases 1 and 2C and insulin mediator in rhesus monkeys. VII International Symposium on Insulin Receptors and Insulin Action: Molecular and Clinical Aspects. May 16-21, 1998, Jerusalem, Israel.

Hansen, B.C. Speakers Bureau for the Obesity and Xenical Consensus Development Committee. San Francisco, CA., March 12-14, 1999.

Hansen, B.C. The Commonsense Guide to weight loss for People with Diabetes, WTKF-FM107.3, Greenville, NC, December 18, 1998.

Hansen, B.C. The Commonsense Guide to Weight Loss for People with Diabetes. WHCU-AM-870, Ithaca, NY, November 25, 1998.

Hansen, B.C. Commonsense Guide to Weight Loss for People with Diabetes, KCJJ-Am 1560, Iowa City, Iowa, November 25, 1998.

Hansen, B.C. Current issues and trends in the management of obesity. Virginia Osteopathic Medical Association and Maryland Association of Osteopathic Physicians Fall Conference, Annapolis, MD, November 6-7, 1998.

Hansen, B.C. Obesity: New federal guidelines on treatment and risk identification. Maryland Cooperative Extension, College Park, MD, September 24, 1998.

Hansen, B.C. Overview of weight management. Virginia Pharmacists Association Annual Convention and Trade Show, Virginia Beach, VA, August 9, 1998

Hansen, B.C. “To Your Health”. Radio interview, New Jersey, July 11, 1998.

Hansen, B.C. An international database for the study of diabetes, obesity, and aging in great apes and other nonhuman primates. Third Great Apes of the World Conference, Kuching, Sarawak, Malaysia, July 1998.

Hansen, B.C. Obesity and prevention of diabetes. Women’s Health Research Group Seminar,

University of Maryland, June 5, 1998.

Hansen, B.C. Leptin and the neuroendocrine profile of aging. Endocrinology of Aging Interest Group, Endo 98, New Orleans, LA, June 25, 1998.

Hansen, B.C. Benefits of moderate weight loss in patients with Type 2 diabetes: redefining success criteria. American Diabetes Association Annual meeting, Chicago, IL, June 13, 1998.

Hansen, B.C. Current issues and trends in the management of obesity. Boonsboro, MD, June 9, 1998.

Hansen, B.C. Obesity. Community Health Beat, WEAA FM, Baltimore, April 23, 1998.

Hansen, B.C. Current issues and trends in the management of obesity. Knoll Pharmaceutical Conference, Freeport, Maine, April 22, 1998,

Hansen, B.C. Body fat regulation: Overview. Nutrition, Genetics and Obesity Symposium. C.B. Pennington Conference Center, Baton Rouge, LA, March 1-3, 1998.

Hansen, B.C. Obesity and diabetes in non-human primates. Regeneron Pharmaceuticals, Inc., Seminar, New York, February 19, 1998.

Hansen, B.C. Insulin action in caloric restriction: Lessons for diabetes prevention. Endocrine Grand Rounds, February 23, 1998.

Hansen, B.C. The transition from obesity to diabetes: Insulin resistance and the consequences of prevention. NASSO, Mexico, November 1, 1997.

Hansen, B.C., Bodkin, N. L., and Ortmeyer, H.K. Chronic IGF-I treatment of aging Type 2 diabetic monkeys: Effects on muscle and adipose tissue. American Aging Association 27th Annual Meeting, Philadelphia, PA, October 17-20, 1997.

Hansen, B.C., Bodkin, N.L., and Levin, N. Chronic IGF-I treatment of aging Type 2 diabetic monkeys: Effects on muscle and adipose tissue. Annual Mid-Atlantic Diabetes Research Symposium, Bethesda, MD, September 13, 1997.

Hansen, B.C. Diabetes and obesity: Early defects and prevention. American Association of Diabetes Educators Annual Meeting, Denver, CO, August 20-24, 1997.

Hansen, B.C. Cellular and molecular aspects of obesity in primates. U.S.-Japan Malnutrition Panel. “Nutrition and Atherosclerosis: cellular and molecular mechanisms.” Wakayama Perfecture, Japan. December, 1996.

Hansen, B.C. Nonhuman primates in obesity and diabetes research and metabolic drugs Testimony delivered to the Endocrine and Metabolic Drugs Advisory Committee of the Food and Drug Administration, Washington, D.C., September 26, 1996.

Hansen, B.C. "Animal models of obesity and diabetes." IBC's Third International Symposium on Obesity: Advances in Understanding and Treatment. San Diego, CA, September 9-11, 1996.

Bodkin, N.L., Ortmeyer, H.K., and Hansen, B.C. “Slowing aging by calorie restriction: Studies in rhesus monkeys”. International Primatology Meeting, Symposium on Aging in Nonhuman Primates) Madison, Wisconsin, August, 1996.

Hansen, B.C. “Monkey as a model for the study of NIDDM.” The Brazilian Societies of Biological and Medical Sciences, Brazil, August 20-24, 1996.

Hansen, B.C. “The Natural History of NIDDM: What are the risk factors and early markers for NIDDM?” 2nd Early Diabetes Conference: Pathogenesis and Progress. Tokyo, Japan, March 8, 1996.

Hansen, B.C. "Obesity, fat distribution, and health risks: Lessons from animal models." Women's Health: Prevention is the Best Medicine, Baton Rouge, Louisiana, March 12, 1996.

Hansen, B.C. "Animal models of obesity" IBC's Second Annual International Symposium on Obesity: Advances in Understanding and Treatment. Washington, D.C., March 5, 1996.

Hansen, B.C. "Obesity and NIDDM: Cause or consequence" Ciba-Geigy Limited, Basal, Switzerland, January 31, 1996.

Hansen, B.C. "Mechanisms of insulin action and B-cell pathology in diabetes." Research Seminars in Pathology, Baltimore, Maryland, November 6, 1995.

Hansen, B.C. "Aging and the endocrine pancreas." Gerontology Conference, Baltimore Veterans Medical Center, Baltimore, Maryland, November 1, 1995.

Hansen, B.C. Mini symposia: XIII, "Insulin action in obesity: Insulinemia, obesity and aging:

 Pathophysiology. " NAASO Lecture. Baton Rouge, LA. Obesity Research,

 3:368s, October 1995.

Hansen, B.C. "Phenotypic progression to diabetes: changes in insulin action on glucose uptake and metabolism." FASEB Summer Research Conference, Snowmass, Colorado, July 7, 1995.

Hansen, B.C. “Prevcion De LA Obesidad Y Sus Complications.” 1 Reunion Nacional Jornadas Medicas, Mexico, March 5, 1995.

Hansen, B.C. "Presentation on code of ethics/ensuring research integrity. " Commission on Research Integrity, Department of Health and Human Services, Rockville, Maryland, January 5, 1995.

Huang, Z., Bodkin, N.L., Ortmeyer, H.K., Hansen, B.C., and Shuldiner, A.R. "Does insulin receptor mRNA splicing play an important role in developing NIDDM? Evidence from rhesus monkeys." 15th IDF Congress, Kobe, Japan, p. 455, 1994

Hansen, B.C. U.S.-Japan Malnutrition Panel. Tokyo, Japan, December 1994.

Hansen, B.C. “Human nutrition research: strategy leading to improved health of Americans.” Forum on Meeting the Challenge: Health, Safety, and Food for America. National Academy of Sciences, Washington, DC, November 1994.

Hansen, B.C. Chair, NIDDM Type 2 Symposium. Lessons from Animal Diabetes International Workshop IV, Omiya, Japan, November 1994.

Hansen, B.C. “Inositols in treatment of Type 2 diabetes mellitus”. Lessons from Animal Diabetes

 International Workshop IV, Omiya, Japan, November 1994.

Hansen, B.C. "Eating behavior and diabetes mellitus." 15th International Diabetes Federation Congress, Kobe, Japan, November 1994.

Hansen, B.C. "Progression from obesity to diabetes." Boots Pharmaceuticals. London, England, November 1994.

Hansen, B.C. FASEB Consensus Conference on Federal Research Funding for the Biomedical and Life Sciences FY96. Bethesda, MD, October 1994.

Hansen, B.C. Overview of the Univ. MD Study Second Annual Workshop on Dietary Restriction and Aging in Primates (National Institute of Health). San Juan, Puerto Rico, October 1994.

Hansen, B.C. and Ortmeyer, H.K. Inositols in treatment of type 2 diabetes mellitus. Lessons from Animal Diabetes International Workshop IV Satellite Symposium of 15th International Diabetes Mellitus, Wuppertal, Germany, September 26, 1994.

Hansen, B.C. "Aetiology of Type 2 diabetes mellitus - obesity dependence." "International Symposium on the New Developments in the Genetics of Type 2 (non-insulin-dependent) diabetes mellitus." Wuppertal, Germany, September 1994.

Hansen, B.C. "NIDDM-associated obesity and nutrition in nonhuman primates." "EASD Presymposium on Animal NIDDM and/or Obesity - Endogenous and Environmental Factors Involved in the Regulation and Pathogenesis." Dusseldorf, Germany, September 1994.

Hansen, B.C. "Progressive development of pathophysiology in obese nonhuman primates." 7th International Congress on Obesity Symposium, Toronto, Ontario, Canada, August 1994.

Hansen, B.C. Chair, Obesity, Diabetes and Insulin Resistance: Implications from Molecular Biology, Epidemiology, and Experimental Studies in Humans and Animals. Satellite Symposium, 7th International Congress on Obesity, Boston, Massachusetts, August 1994.

Hansen, B.C. "Genetic and metabolic influences on obesity and energy balance." American Diabetes Association Symposium, New Orleans, Louisiana, June 1994.

Hansen, B.C. Insulin resistance and its role in the health complications of obesity. North American Association for the Study of Obesity Symposium, Milwaukee, WI, 1993.

Ortmeyer, H.K., Bodkin, N.L., Larner, J., and Hansen, B.C. “Insulin action on glycogen synthase activity and a role for D-chiroinositol in insulin-resistant and diabetic monkeys." ”Copper Mountain, Colorado, 1993.

Hansen, B.C. “Hyperinsulemia - primary cause of obesity or secondary to overeating?” "Keynote Address" European Congress on Obesity, Ulm, Germany, June, 1993.

Hansen, B.C. “Issues Related to Healthy Weight,” Workshop, Office of Disease Prevention and Health Promotion, American Institute of Nutrition, Bethesda, MD., 1993.

Hansen, B.C. “Defects in insulin secretion and insulin action in diabetes”, Department of Nutrition, University of Maryland, College Park, MD., 1993.

Hansen, B.C. “Diabetes mellitus: defects in insulin secretion and insulin action,” Dental School, University of Maryland at Baltimore, MD., 1993.

Hansen, B.C. “Caloric restriction effects on insulin sensitivity and the development of diabetes,” The Johns Hopkins University, Francis Scott Key Medical Center, Baltimore, MD., 1993.

Hansen, B.C. “Ask Not What Research Can Do For You: Ask What You Can Do For Research.” French Memorial Lecturer, University of Illinois, College of Associated Health Professions, Chicago, IL., 1993.

Hansen, B.C. “Diabetes and Aging: Progressive Changes in Insulin Secretion and Insulin Action”, Veterans Hospital, Baltimore, MD, 1993.

Hansen, B.C. “Animals in Research: What Price Vigilance?” Ethical Issues of Animal Use in Academe and Industry, NIH/OPRR, Philadelphia, PA., June, 1993.

Hansen, B.C. “Prevention of Obesity: Is It Worth It?” American Institute of Nutrition and the Office of Disease Prevention and Health Promotion, Dept. of Health and Human Services, Bethesda, MD, 1993.

Hansen, B.C. “Diabetes and Its Prevention in Non-Human Primates”. Johns Hopkins Hospital Endocrinology Department, 1992.

Hansen, B.C. “Spontaneous Type 2 Diabetes and Obesity in Rhesus Monkeys-Similarities to Humans” and “D-Chiroinositol-Evidence for a Role in Insulin Resistance and Insulin Action.” Sankyo Pharmaceuticals, Tokyo, Japan, 1992.

Huang, Z., Hansen, B.C. and Shuldiner, A.R. “Studies of insulin receptor mRNA splicing variants in spontaneously obese diabetic rhesus monkeys”; The Johns Hopkins University School of Medicine, Department of Medicine, Baltimore, MD, 1992.

Hansen, B.C. “Interventions in obesity and diabetes.” National Institutes on Aging, Bethesda, MD, 1992.

Hansen, B.C. “Does ‘insulin resistance’ cause obesity?” Australian Society for the Study of Obesity, Sidney, Australia, 1992.

Hansen, B.C., and Bodkin, N.L. “ Insulin resistance syndromes”, Australian Society for the Study of Obesity, Sidney, Australia, 1992.

Fishbein, E.A., Schachman, H.K., Hansen, B.C., and Bivens, L.W. “Scientific misconduct: Are the remedies going too far?” FASEB Public Affairs Symposium, 1992.

Ortmeyer, H.K., Bodkin, N.L., Larner J., and Hansen, B.C. “Urinary excretion of chiro-inositol is linked to insulin resistance in obese rhesus monkeys.” Proceedings from the Workshop on the Role of Glycosyl-Phosphatidylinositol in Cell Signaling, Madrid, Spain, 1991.

Hansen, B.C. “Academic misconduct: rational solutions to irrational problems.” University of Maryland at Baltimore, Graduate School, Baltimore, MD 1991.

Larner, J., Romero G., Asplin, I., Galasko, G., Huang, L.C., Zhange, C., Zhang, L., Ortmeyer, H.K., Hansen, B.C., Bogardus, C., Raz, I., Craig, J.C. and Luttrell, L. “Chiro-inositol: A new player in diabetic insulin resistance.” Symposium on Advances is Regulation of Carbohydrate Metabolism, Satellite of the 15th International Congress of Biochemistry, Jerusalem, Israel, 1991.

Hansen, B.C., Hannah, J.S., Alexander, T.N., Insley, D.J., Ortmeyer, H.K. and Bodkin, N.L. “Long-term chronic caloric restriction results increased physical activity in rhesus monkeys.” Benjamin Franklin/Lafayette Seminar, La Napoule, France, 1991.

Hansen, B.C. “Obesity, diabetes and insulin action,” Department of Medicine, Monash University School of Medicine, Melbourne, Victoria, Australia, 1991.

Hansen, B.C. “The natural history of NIDDM,” International Diabetes Institute, Melbourne, Australia, 1991.

Hansen, B.C. “Spontaneous Type 2 diabetes in an animal model: implications for pathogenesis in Humans.” Glaxo Drug Company, Research Triangle Park, N.C, 1990.

Hansen, B.C. “Insulin resistance and hyperlipidemia: pathogenesis” Upjohn Company, Kalamazoo, Michigan, 1990.

Hansen, B.C. “Amylin in the development of Type 2 diabetes.” Pfizer Pharmaceuticals, Inc. Research, Groton, Connecticut, 1990.

Hansen, B.C. “Changes in insulin mediators associated with insulin resistance in prediabetic monkeys.” Ciba-Geigy Corporation, Pharmaceuticals Division, Newark, New Jersey, 1990.

Hansen, B.C. “Unresolved issues in the institutional management of allegations of misconduct.” Society of Research Administrators, Norfolk, Virginia, 1990.

Hansen, B.C. “Data management, access, sharing, and retention in biomedical, behavioral, and epidemiological research.” Public Health Service, Department of Health and Human Services, National Institutes of Health, Bethesda, Maryland, 1990.

Hansen, B.C. “Early phases in the development of diabetes.” Ciba-Geigy Corporation, Pharmaceuticals Division, Newark, New Jersey, 1990.

Hansen, B.C. “Obesity and associated risk factors.” NIH Nutrition Symposium, Bethesda, Maryland, 1990.

Hannah, J.S., Verdery, R.B., Bodkin, N.L. and Hansen, B.C. “The development of lipoprotein abnormalities in rhesus monkeys in association with the development on noninsulin-dependent diabetes.” Southern Sugar Club, 1989.

Hansen, B.C. “Hyperinsulinemia in non-human primates.” I.R.I.S. International Conference on the Causes and Consequences of Hyperinsulinemia,” Institut De Recherches Internationales, Servier, Versailles, France, 1989.

Hansen, B.C. “Pancreatic histopathology: its relation to *in vivo* measures of the development of diabetes.” Oxford University, Oxford, England, 1989.

Hansen, B.C. “The obesity/diabetes connection.” Department of Medicine, East Carolina University School of Medicine, Greenville, North Carolina, 1989.

Hansen, B.C. “Obesity, diabetes, and aging.” Gerontology Research Center, National Institute on Aging, Department of Health and Human Services, Public Health Service, Baltimore, MD, 1989.

Hansen, B.C “The obesity/diabetes connection: A non-human primate model.” The Wellcome Research Laboratories, Burroughs Wellcome Company, Research Triangle Park, NC, 1989.

Hansen, B.C. “Survival in the workplace.” Robert Wood Johnson Foundation Clinical Nurse Scholars Program, Boston, MA, 1989.

Hannah, J.S., Verdery, R.B., Bodkin, N.L. and Hansen, B.C. “Abnormal plasma lipoprotein fractions precede the development of diabetes in elevated free fatty acid levels.” American Diabetes Association Symposium, Diabetes, Lipoproteins and Atherosclerosis, Hilton Head, SC, 1989.

Hansen, B.C. “Public policy forum on integrity in science.” 20th Anniversary Meeting, American Society for Neurochemistry, Chicago, IL, 1989.

Bodkin, N.L., Striffler, J.S., Ortmeyer, H.K., and Hansen, B.C. “Decreased hepatic insulin extraction without change in hepatic glucose production in obese monkeys developing hyperinsulinemia.” North American Association for the Study of Obesity, Bethesda, MD, 1989.

Hansen, B.C. “The pathophysiology of type II diabetes before clinical expression.” Benjamin Franklin/Lafayette Seminar, LaNapoule, France, 1988.

Hansen, B.C. “Changes in insulin secretion and insulin action in obese rhesus monkeys developing Type II diabetes mellitus.” Symposium on Insulin and Obesity, Buckingham, England, 1988.

Hansen, B.C. “Obesity, diabetes, and the regulation of appetite in monkeys.” The Johns Hopkins University School of Medicine, Johns Hopkins Hospital, Baltimore, MD, 1988.

Hansen, B.C. “Rhesus monkeys as a model of Type 2 diabetes.” Division of Diabetes, National Institutes of Health, Bethesda, MD, 1988.

Hansen, B.C. “The scholarly community--A partnership in shaping and sustaining ethical standards of academic behavior.” Council of Graduate Schools Twenty-Eight Annual Meeting, Colorado Springs, CO, 1988.

Hansen, B.C. “Challenges to the integrity of science.” Society of Research Administrators 22nd Annual Meeting, Boston, MA, 1988.

Hansen, B.C. “Pathophysiology of obesity-associated Type 2 diabetes (NIDDM): Implications from longitudinal studies of non-human primates.” Genetic Basis of Obesity and Diabetes, Atlanta, GA, 1988.

Hansen, B.C. and Hansen, K.D. “Research fraud and misconduct: unresolved issues for institutions.” Second Workshop on Scientific Fraud and Misconduct, American Association for the Advancement of Science, American Bar Association National Conference of Lawyers and Scientists, Queenstown, MD, 1988.

Hansen, B.C. “Responsibilities in the conduct of scientific research.” Institute of Medicine, Washington, D.C., 1988.

Hansen, B.C. “Science plus judgment: the route to application of research.” Robert Wood Johnson Foundation Annual Meeting, Washington, D.C., 1988.

Hansen, B.C. “Regulation of Appetite During TPN.” New England Deaconess Hospital, Harvard Medical School, Boston, MA, 1988.

Hansen, B.C. “Pathophysiologic characteristics of obesity in monkeys.” NHLBI Workshop on Obesity, Bowman Gray School of Medicine of Wake Forest University, Winston-Salem, NC, 1988.

Hansen, B.C. “Academic and administrative issues in joint/interdisciplinary programs and centers.” Seventeenth Annual Meeting of the Conference of Southern Graduate Schools, Charleston, SC, 1988.

Hansen, B.C., Milner, J., Gussow, J., Goodman, D., and Greenwood, M.R.C. Critical issues in nutrition education and training at the university level: Panel Discussion. “Frontiers in the Nutrition Sciences”, Annual Symposium, The Food and Nutrition Board Commission on Life Sciences National Research Council, Washington, D.C. 1987.

Hansen, B.C. “Emerging Issues in Biomedical Research Safety.” 10th NIH Research Safety Symposium, Bethesda, MD, December 1987.

Hansen, B.C. “Comparison of the effects of forced vs. spontaneous weight reduction in obese rhesus monkeys.” North American Association for the Study of Obesity, Boston, MA, 1987.

Hansen, B.C. “Fat distribution—relationship to obesity and diabetes in monkeys.” Bowman Gray School of Medicine, Wake Forest University, Winston-Salem, NC, 1987.

Hansen, B.C. “Endocrine factors in energy balance.” Federation of American Societies for Experimental Biology Summer Conference (Co-chair), Saxton Rivers, VT 1987.

Hansen, B.C. “Consortia and collaborative research.” Ohio State University Visiting Lecture Program, Columbus, OH, 1987.

Hansen, B.C. “Education of health professionals.” Institute of Medicine, Washington, D.C., 1987.

Hansen, B.C. “Taking aim at success: A clear eye and a steady hand.” Rutgers University Men's and Women's Organization, New Brunswick, NJ, 1987.

Hansen, B.C., Bodkin, N.L., and Harman, D.M. “Lack of significant differences in caloric intake of monkeys progressing toward non-insulin-dependent diabetes mellitus (NIDDM).” IXTH International Conference on the Physiology of Food and Fluid Intake, Seattle, WA, 1986.

Hansen, B.C. “Grantsmanship workshop.” University of Maryland, Baltimore, MD, 1986.

Hansen, B.C., Jen, K.-L.C., Schwartz, J., Harman, D. and Bodkin, N.L. “Adipose tissue distribution and adipocyte metabolism in a non-human primate model of spontaneous obesity.” International Symposium on the Metabolic Complications of Human Obesities, 1985.

Hansen, B.C. “Appetite and the control of food intake.” American Society for Parenteral and Enteral Nutrition, Miami Beach, FL, 1985.

Hansen, B.C “Grantsmanship workshop.” Southern Illinois University at Carbondale, Carbondale, IL, 1985.

Hansen, B.C. “Energy metabolism and obesity.” University of Medicine and Dentistry of New Jersey, Newark, NJ 1984.

Hansen, B.C. “Obesity and regulation of appetite in monkeys.” Primate Research Center, University of Wisconsin-Madison, 1984.

Hansen, B.C. “Reverse pyramid — A career development concept.” Phi Beta Kappa Honors Day at Southern Illinois University at Carbondale, Carbondale, IL.

Hansen, B.C. “Importance of research and development at SIUC.” Vocational Education Research and Development Conference, Southern Illinois University at Carbondale, Carbondale, IL, 1984.

Hansen, B.C. “The Progression from Obesity to Diabetes”. Boots Pharmaceuticals Private Training Seminar on “Obesity”. 1994.

Martyn, P., Hansen, B.C. and Jen, K.-L.C. “An exploration of hunger and satiety: factors affecting parenteral nutrition.” 2nd Annual Conference of Sigma Theta Tau, Chicago, IL, 1984.

Hansen, B.C. “Characterization of obesity and diabetes in non-human primates.” Diabetes Research and Training Center, Washington University, St. Louis, 1983.

Hansen, B.C. "National influences in SIU education and research development.” Sixth Annual Meeting of the Post-Doctoral Academy of Higher Education, Carbondale, IL, 1983.

Hansen, B.C. “Obesity and the regulation of appetite in non-human primates.” The Obesity Center, St. Luke's-Roosevelt Hospital, New York City, 1983.

Hansen, B.C. “Research development at SIU — The national connections.” Phi Kappa Phi, Carbondale, IL, 1983.

Hansen, B.C. “Issues and concerns regarding federal involvement in research and development — linkages to issues at SIUC.” Sigma Xi, Carbondale, IL, 1983.

Hansen, B.C., Martyn, P.A., and Jen, K.-L.C. Sequential changes in hunger and gastric motility patterns during periods of initiation and termination of parenteral nutrition. American Society for Parenteral and Enteral Nutrition , 1982.

Greene, H. and Hansen, B.C., Co-chairs. NIH Symposium, Nutrition and Endocrine Disorders, San Francisco, CA, 1981.

Hansen, B.C., Chair. Center for Human Growth and Development Symposium: “Controversies in Obesity,” Ann Arbor, MI 1982.

Hansen, B.C., and Hansen, K.D. “Politics of implementation.” Detroit, MI, 1982.

Hansen, B.C. “Grantsmanship: strategies and opportunities.” Ann Arbor, MI, 1982.

Jen, K.-L.C. and Hansen, B.C. “Changes in feeding behavior and body weight during experimental induction and remission of obesity in monkeys.” Eastern Psychological Association, 1982.

Jen, K.-L.C. and Hansen, B.C. “Nonhuman primate models of obesity: Comparison of spontaneous middle-aged onset vs. forced overfeeding induced obesity.” North American Association for the Study of Obesity, Vassar College, 1982.

Hansen, B.C. “Grantsmanship workshop.” University of Nebraska, Omaha, 1981.

Hansen, B.C. “Positive outcomes for patient care.” Ohio State University, Columbus, OH, 1981.

Hansen, B.C. Keynote address: “The future in biomedical research.” Research Symposium, Ohio State University, Columbus, OH, 1981.

Jen, K.-L.C., and Hansen, B.C. “Regulation of feeding in normal weight, spontaneously obese and experimentally obese monkeys.” University of Michigan Nutrition Workshops, 1980.

Hansen, B.C. “Research proposal development and funding sources.” The University of Michigan, Ann Arbor November, 1980.

Hansen, B.C. “Issues on optimal enteral nutrition.” American Cancer Society Symposium, "Helping the Elderly Patient Live with Cancer." Tacoma, WA, 1980.

Hansen, B.C. “Appetite regulation in normal and experimentally obese monkeys.” Institute of Neurological Sciences, Philadelphia, PA, 1980.

Hansen, B.C., Jen, K.-L.C., Schielke, G.P., and Brown, J.N. “Characterization of overfeeding-induced experimental obesity in monkeys.” Third International Congress on Obesity, 1980.

Hansen, B.C. “Current trends in funding — What reviewers look for.” Sponsored by the Biomedical Research Council, The University of Michigan, Ann Arbor, MI, 1980.

Hansen, B.C. “Developing programs of research.” St. Mary's College, Notre Dame, IN, 1980.

Hansen, B.C. “Physiology of feeding regulation.” College of Agricultural and Life Sciences, University of Wisconsin-Milwaukee, Milwaukee, WI, 1980.

Hansen, B.C. “Obesity and regulation of appetite or monkeying around with body weight.” University of Wisconsin-Madison, 1980.

Hansen, B.C. “Obesity in monkeys”, Seminar in the Department of Human Genetics, The University of Michigan, 1980.

Hansen, B.C., and Jen, K.-L.C., and Brown, N. “Regulation of food intake and body weight in rhesus monkeys.” Satellite Symposium: The Body Weight Regulatory System: Normal and Disturbed Mechanisms, Third International Congress on Obesity, Naples, Italy, 1980.

Hansen, B.C. Neuroscience Colloquium, Mental Health Research Institute, The University of Michigan, 1980.

Hansen, B.C. “Workshop on grantsmanship.” University of Texas, San Antonio, 1979.

Hansen, B.C. “Grantsmanship workshop.” Sigma Theta Tau, University of Missouri, 1979.

Hansen, B.C. “Unsolved problems of obesity and overeating.” Workshop on Cellular and Behavioral Aspects of Obesity, The University of Michigan, 1979.

Hansen, B.W. “Clinical research on obesity.” Sigma Theta Tau (Kappa Chapter), Catholic University of America, 1979.

Hansen, B.W. “Clinical research on obesity.” 10th Annual Post-Master's Conference, Marquette University, Milwaukee, WI 1978.

Hansen, B.W. “Effects of enteral feeding on oscillations of serum glucose and insulin,” and “Effects of rate and volume of tube feeding on gastric motility and feeding tolerance.” American Society for Parenteral and Enteral Nutrition, 1978.

Koerker, D., Goodner, C., and Hansen, B.W. “Effects of somatostatin on the absorption of a mixed meal by monkeys.” Western Society for Clinical Research. Portland, OR, 1978.

Hansen, B.W., Goodner, C.J., Martin, D.L., Koerker, D.J. and Kalnasy, L.W. “Effects of experimental obesity on oscillating secretion of insulin, glucagon and glucose in monkeys (*Macaca mulatta*).” International Congress on Obesity, Washington, D.C., 1977.

Susor, T., Hillman, R.A., Hansen, B.W. and Smith, O.A. “Food pump for non-human primates.” American Society of Primatologists, 1977.

Hansen, B.W., Martin, D., Goodner, C.J., Koerker, D.J., Brown, A.C., Ensinck, J.W. and Kalnasy, L.W. “Effects of the induction and remission of obesity on synchronous oscillations of insulin, glucagon, and glucose on feeding behavior in rhesus monkeys (*Macaca mulatta*).” Sixth International Conference on the Physiology of Food and Fluid Intake, Paris, France, 1977.

Hansen, B.W. and Kalnasy, L.W. “Analysis of feeding patterns, intake and weight gain in monkeys (*Macaca mulatta*).” American Society of Primatologists, 1977.

Hansen, B.W. “Gastric motility in tube feeding patients." Sigma Theta Tau (Rho Chapter), 1977.

Hansen, B.W., and Martin, D. “Research in diabetes—perspectives for nurses.” 24th Postgraduate Course, American Diabetes Association, Los Angeles, CA, 1977.

Walike, B.C. “Clinical research into problems of tube fed patients.” College of Human Development, Pennsylvania State University, University Park, PA, 1976.

Walike, B.C. “Feeding regulation and obesity in monkeys.” Department of Physiology, University of Minnesota, Minneapolis, MN 1976.

Walike, B.C. “Tube feeding—issues and answers.” Dietetic Interns, University of Washington, Seattle, WA, 1975.

Walike, B.C. “Role of lactose in tube feeding diets.” American Diabetic Association, Seattle Chapter, Seattle, WA, 1975.

Walike, B.C., Kribbs, P.J., and Kalnasy, L.W. “Feeding behavior in rhesus monkeys (*Macaca mulatta*).” Fifth International Conference on the Physiology of Food and Fluid Intake, Jerusalem, 1974.

Walike, B.C. “Primate model of human obesity.” Department of Physiology, The University of Michigan, Ann Arbor, MI, 1974.

Walike, B.C. “The biology and psychology of feeding problems.” Symposium on Interdisciplinary Collaboration in Clinical Research (Invited Speaker), University of Illinois, Chicago, IL 1974.

Walike, B.C. “Nutritional obesity.” University of Washington Continuing Education Course, PHPE 119, Seattle, WA, 1974.

Walike, B.C. “Clinical problems of nutrition.” Arizona State University, Tempe, AR, 1973.

Walike, B.C. “Clinical studies of feeding problems.” Wayne State University, Research Colloquium, Detroit, MI, 1973.

Walike, B.C., and Smith, O.A., Jr. “Feeding regulation of monkeys during cross circulation.” Fourth International Conference on the Physiology of Food and Fluid Intake, Cambridge, England, 1971.

Walike, B.C., and Smith, O.A. “Cross circulation.” American Cancer Society, Working Conference on the Anorexia and Cachexia of Neoplastic Disease, Philadelphia, PA, 1969.

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