CURRICULUM VITAE

PERSONAL DATA

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Research Professor

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EDUCATION

Oct.1972-Jun.1977	Department of Applied Mathematics of Technical University of Warsaw M.S. Diploma
Oct.1975-Jun.1981	Medical Academy of Warsaw Physician Diploma
Apr. 1987	Ph.D. Diploma in Epidemiology, Institute of Mother and Child Care in Warsaw (Poland) Thesis title: Evaluation of independence of categorical variables with complex population structure, based on survey of health condition of a selected group of Warsaw inhabitants in 1978-1979 (in Polish)

POSTDOCTORAL TRAINING

Oct.1981-Nov.1982	Medical internship, Medical Academy of Warsaw.
Apr.1986-May 1986	Fellowship from the Association Europénne pour l'Étude de l'Alimentation et du Développement de l'Enfant in Paris, France

SENIOR POSTDOCTORAL TRAINING

Oct.1988-Jan.1990	Visiting Scholar, Department of Medical Information Processing (Konrad Selbman, Chair), University of Tuebingen (Germany). Analysis of data from Perinatal Bavarian Survey conducted in 1982-1986. Short-term statistical consultations.

Revised 10/30/2011

Feb.1990-Aug.1990	Visiting Scholar, Department of Biostatistics, (Graham Kalton, Chair) School of Public Health, University of Michigan, Ann Arbor. Post doctoral fellowship from the Kosciuszko Foundation in New York.

ACADEMIC APPOINTMENTS

Oct.1981-Jan.1984	Assistant Professor, Department of Social Medicine, Medical Academy, Warsaw, Poland. Investigator in the WHO Multinational Longitudinal Study of Vascular Diseases in Diabetics. Taught a full semester course in statistical methods to medical students each year.
Feb.1984-Jul.1988	Assistant Professor, Department of Epidemiology and Health Programming, National Research Institute of Mother and Child in Warsaw, Poland. Co-PI in the pilot phase of the National Sampling Survey, to identify the medical and sociological factors predicting the duration of breast feeding.
Oct.1990-Aug.1995	Biostatistician (Research Associate, since July 1993 Senior Research Associate), Institute of Gerontology, University of Michigan Short- and long-term consultation in the design of data collection instruments, database management and statistical analysis of data for research in geriatrics and gerontology. Participation in study design and methodology for new proposals. Training junior investigators and fellows in geriatrics.
Sep.1995-Sep.2000	Assistant Research Scientist, Institute of Gerontology, University of Michigan
Sep.2000-Jun.2004	Associate Research Scientist, Institute of Gerontology, University of Michigan
Jul.2004-Aug.2007	Research Associate Professor, Division of Geriatric Medicine, Department of Internal Medicine, and Institute of Gerontology, University of Michigan Medical School
Feb.2005-Sep.2008	Associate Research Scientist, Department of Biostatistics, School of Public Health, University of Michigan
Sep. 2007-present	Research Professor, Division of Geriatric Medicine, Department of Internal Medicine, and Institute of Gerontology, University of Michigan Medical School
Sep. 2008- present	Research Scientist, Department of Biostatistics, School of Public Health, University of Michigan

SCIENTIFIC ACTIVITIES

Grant Reviewer

Member, ad hoc, Modeling and Analysis of Biological Systems Study Section, Center for Scientific Review, National Institutes of Health (Mar. 2006).

Revised 10/30/2011

Member, ad hoc, Older American Independence Claude Pepper Centers, Special Emphasis Panel, National Institute of Aging (Mar. 2006)

Member, ad hoc "Molecular Mechanisms of Bone Repair with Aging" Program Project review committee, National Institute of Aging (Jul. 2006, May 2007)

Member, ad hoc, "What determines the functional outcome of knee arthroplasty?" Review committee, Arthritis Research Campaign (ARC), United Kingdom (Apr. 2008 and Apr. 2009)

Member, ad hoc, "Conserved Mechanisms of Longevity: A Comparative Phylogenetic Approach" Program Project review committee, National Institute of Aging (Nov. 2009, Sep. 2010)

Member, ad hoc, "Statistics for high-dimensional aging & lifespan studies: Energetics & Longevity" Program Project review committee, National Institute of Aging (Dec. 2009)

Member, ad hoc, Older American Independence Claude Pepper Centers, Special Emphasis Panel, National Institute of Aging (Feb. 2011).

Book Reviewer

SAS Institute (2001)

SAGE Publications (2010)

Guilford Press (2010)

Journal Reviewer

Aging Cell, 2004, 2007(2)

Archives of Physical Medicine and Rehabilitation, 2007(2), 2008(2), 2009

Bioinformatics, 2010

Biometrical Journal, 2002

Biometrics, 2007, 2008

Communications in Statistics, 2010

The Gerontologist, 2005

Journal of Agricultural, Biological and Environmental Statistics (JABES), 2007

Journal of the American Geriatrics Society, 2003

Journal of Biopharmaceutical Statistics, 2010

Journal of Gerontology, 2001, 2005

Journal of Pharmacokinetics and Pharmacodynamics, 2006

Journal of the Royal Statistical Society, 2003

Medical Care, 1998

Pharmaceutical Statistics, 2010

Science, 2006

GRANT SUPPORT

Current

Director of "Methodology, Data Management and Analysis Core", (45%)

Biostatistician in the Core for Aging Rodents
P30 AG024824, NIH/NIA, "Claude D. Pepper Older Americans Independence Center",09/01/2009-08/31/2014, (J. Halter, Principal Investigator).

Ongoing support from this grant since 10/1/1990.

Biostatistician (25%)
P01 AG025164 NIH, NIA "Stress Pathways in Age-Related Hearing Loss", 07/01/2005-06/30/2010, (J. Schacht, Principal Investigator), $920,775

Biostatistician (10%)

1R01AG032298 01A1, NIH/NIA "Targeted Infection-control Program (TIP) to Reduce Resistant Pathogens and Infections in Nursing Homes", 9/15/2009 - 8/31/2014 (Lona Mody, Principal Investigator), $1,781,088

Biostatistician (5%)

F023077, "Laboratory for Anti-Geric Testing, Evaluation and Research", (Rich Miller, Principal Investigator)

Biostatistician (5%)

1R01AG028268, NIH-NIA "Molecular Regulation of CC Chemokine Receptors in Atherosclerosis and Aging", 7/1/06-6/30/2011 (Raymond Yung, Principal Investigator),

Biostatistician (2%)

AG019675, NIH-NIA, "Training in Older Adult Mobility Research", 9/1/07-7/31/12, (Neil Alexander, Principal Investigator)

Biostatistician (5%)

F024438-0, Joslin Diabetes Center, "Natural History of Microalbuminuria in Type 1 Diabetes", 9/1/2009-3/31/15, (Andrzej Krolewski, Principal Investigator)

Biostatistician (10%)

U19 AI090971, NIH, "Clostridium difficile Cooperative Research Center", (Vincent Young, Principal Investigator), 7/1/2010

Pending

"Determinants of Early Renal Function Decline in Type 2 Diabetes", (Andrzej Krolewski, Principal Investigator)

Revised 10/30/2011

Past

Biostatistician/Epidemiologist, (30%), World Health Organization, "Multinational Longitudinal Study of Vascular Diseases in Diabetics", 10/1/1981-12/31/1984, (A. Czyzyk, Principal Investigator)

Biostatistician/Survey Methodologist, (30%), Governmental program, "Medical and Sociological Predictors of Breast Feeding. National Survey", 1/1/1985-8/31/1988, (Z. Brzezinski, Principal Investigator)

Biostatistician, Data Management and Analysis Core, (100%), NIH/NIA, 5P30AG08808, "Michigan Geriatrics Research and Training Center", 10/1/1990-8/31/1994, (J. Halter, Principal Investigator)

Biostatistician, (5%), NIH/NIA, P60AG008808, "Towards Improved Stress Urinary Incontinence Intervention Efficacy", 9/1/1993-8/31/1999. (J. Ashton-Miller, Principal Investigator).

Biostatistician, (10%), NIH/NIDDK, R01DK047516, "Biomechanics of Female Stress Urinary Incontinence", 9/1/1993-8/1/1998, (J. Ashton-Miller, Principal Investigator)

Chief Biostatistician, (50%), NIH/NIA P30AG08808, "Claude D. Pepper Older Americans Independence Center, Methodology, Data Management and Analysis Core", 9/1/1994-8/31/1999, (J. Halter, Principal Investigator)

Biostatistician, NIH/NIA, "Mupirocin Prophylaxis for Staphylococcal Infection in Nursing Homes", 4/1/1995-3/31/1996, (S. Bradley, Principal Investigator).

Biostatistician, (5%), Department of Veterans Affairs, "V.A. Medical Research Service Merit Review: Aging, Carbohydrate Metabolism and Adrenergic Function", 4/1/1995-3/31/2000, (J. Halter, Principal Investigator)

Biostatistician, (10%), Department of Veterans Affairs (HSR&D), "VA Medical Research Service Merit Review: Adrenergic Responses and Insulin Resistance in Geriatric Hypertension", 10/1/1995-9/1/2000, (M. Supiano, Principal Investigator)

Biostatistician, (10%), Michigan Diabetes Research Training Center, "The Physician Effect in Non-insulin Dependent Diabetes Mellitus", 12/1/1995 -1/1/1997, (C. Blaum, Principal Investigator).

Biostatistician, (25%), Health Care Financing Administration, Department of Health and Human Services, "Changing Roles of Nursing Homes", 2/1/1996-6/30/1998, (B. Fries, Principal Investigator)

Biostatistician, NIH/NIA, K01AG000701, "Rehabilitation of Microneurovascular Grafts in Old Rats", 9/1/1996 - 7/31/2001, (L. Larkin, Principal Investigator)

Biostatistician, Health Care Financing Administration, Department of Health and Human Services,, "Longitudinal Analysis of Health Outcomes", 9/1/1996-8/31/1999, (B. Fries, Principal Investigator).

Biostatistician, NIH/NIA, P60AG008808 "Task specific Resistance Training to Improve Transfers", 9/1/1997-8/31/1999, (N. Alexander, Principal Investigator)

Biostatistician, (10%), NIH/NINR, R29NR004132, "Family Home Care for Cancer: A Community-Based Model" 6/1/1998-5/31/2002, (B. Cimprich, Principal Investigator) $299,391.54 TDC

Biostatistician, (5%), NIH/NIA, AG11687, "Genetic Control of Longevity in Mice", 3/1/1999-28/2/2004, (R. Miller, Principal Investigator) $436,044.00 TDC

Core Director, (30%), NIH/NIA, P01AG16699", Genetics of Age-Sensitive Traits in Mice. Analysis Core D", 4/1/1999-3/31/2004, (R. Miller, Principal Investigator) $4,453,255.00 TDC

Principal Investigator, (10%), NIH/NIA, P30AG08808, Claude Pepper Older Americans Independence Center, "Genetic Mapping of Qualitative Trait Loci using Four-way Crosses", 6/1/1999-5/31/2000

Chief Biostatistician, (30%), NIH/NIA, P30AG08808, "Claude D. Pepper Older Americans Independence Center, Methodology, Data Management and Analysis Core", 9/1/1999-8/31/2004, (J. Halter, Principal Investigator)

Biostatistician (5%), Mi Econ Development Corp - Life Sciences Corridor Fund, GR-354, "Improving Muscle Power and Mobility of Elderly Men and Women: Core 6 - Data Management and Statistics", 8/01/2002 to 7/31/2005, (B. Carlson, Principal Investigator)

Biostatistician (3%), K24-AG19675, NIH/NIA, "Training in Older Adult Mobility Research", 8/1/2001 to 7/31/2006, (N. Alexander, Principal Investigator) $114,582

Principal Investigator of the University of Michigan component, Biostatistician, (5%)
2 R01 CA079280-11A, "Family Home Care for Cancer: A Community-Based Model" 4/1/2003-3/31/2007, (B. Given, Principal Investigator of the overall grant), $157,661
Ongoing support from this grant since 6/1/1998

Biostatistician (5%), P01 AG20591, NIH/NIA, "Reactive Oxygen Species: Stress and Damage in Old Muscle", 5/1/2002 to 4/30/2007, (J. Faulkner, Principal Investigator), $696,167

Biostatistician (10%), NIH U19 AG023122-01A1, "Genetics of Stress Resistance and Aging in Mice", 10/2004 – 6/2009, (Steve Cummings, PD, R. Miller, UM PI).

Co-Director of "Methodology, Data Management and Analysis Core", (35%)
Co-Director of "Genomics and Analysis Core", (12%)
P30 AG024824, NIH/NIA, "Claude D. Pepper Older Americans Independence Center",09/01/2004-08/31/2009, (J. Halter, Principal Investigator), $973,338

Biostatistician (30%)
R01-AG16687, NIH/NIA, "Genetic Control of Longevity in Mice", 9/1/2004-7/31/2009, (R. Miller, Principal Investigator), $162,613
Ongoing support from this grant from 3/1/1999 – 7/31/2009

LICENSURE

Jan.1983   Medical Doctor License, Poland

HONORS AND AWARDS

Jun. 2006   Discussion moderator during 6th World Congress of Medical Polonia, Czestochowa, Poland.

Aug. 2006   Session Chair, 2006 Joint Statistical Meetings, American Statistical Association, Seattle.

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MEMBERSHIPS IN PROFESSIONAL SOCIETIES

Aug.1988-Dec.1992	European Association for the Study of Diabetes
Aug.1991-present	American Statistical Association
Aug.1994-present	International Biometric Society

TEACHING ACTIVITIES

Training Program

Member of NIA funded training program "Biomedical Research Training in the Biology of Aging" in Geriatrics Center and Institute of Gerontology (since 1995).

Fellow/Resident Training

Paletta, Michael, 1990, Post-Doc. Current position: Henry Ford Med. Ctr./W. Bloomfield, MI

Mark D. Ensberg, 1990, Geriatric Medicine Fellow, Department of Internal Medicine Michigan State University Geriatric Assessment Center Sparrow Health Services St. Lawrence Hospital Lansing, Michigan

Robert V. Hogikyan, 1990-91, Geriatric Medicine Fellow. Current position: Associate Professor, Division of Geriatric Medicine; Fellowship Program Director, UM Medical Director, Extended Care Center, Ann Arbor VAMC

F. Javier Ortiz-Alonso, 1990-93, Geriatric Medicine Fellow. Current position: Chief, Geriatric Medicine, Canto Blanco Hospital Madrid, Spain

Caroline S. Blaum, 1991-94, Geriatric Medicine Fellow. Current position: Professor, Division of Geriatric Medicine UM

Gloria V. Garcia, 1993-95, Geriatric Medicine Fellow

Raymond L. Yung, 1995-96, Geriatric Medicine Fellow. Current position: Professor of Medicine, Division of Geriatric Medicine UM

Cathy C. Lee, 1997-99, Geriatric Medicine Fellow. Current position: Assistant Professor, Internal Medicine. UCLA

Lona Mody, 1997-99, Geriatric Medicine Fellow. Current position: Assistant Professor, Division of Geriatric Medicine UM

David M. Sengstock, 2000-02, Geriatric Medicine Fellow. Current position: Geriatrics Fellowship Education Program and Unit Medical Director, Oakwood Wellness Center, Oakwood Health Care System

Annette M. Chang, M.D., 2001-02, Geriatric Medicine Fellow. Current position: Assistant Professor, Internal Medicine, Endocrinology, UM

Joseph O. Nnodim, 2003-2006, Geriatric Medicine Fellow, Research interest: Loss of Balance Assessment in Older Adults, current position: Special Fellowship Program in Advanced Geriatrics UM

Mirza Adnan H. Beg, 2003-2005, Geriatric Medicine Fellow, Research interests: Mobility Disability in Older Adults with Type 2 Diabetes. Current position: 3rd year fellow, Internal Medicine, Geriatric Medicine, UM

Post-Doctoral Trainees

Robert V. Hogikyan, M.D., 1990-91, Post-Doc, Research interests: Regulation of blood flow in older adults with type 2 diabetes, end of life planning, and medication adherence. Current position: Associate Professor, Div. of Geriatric Medicine; Fellowship Program Director, UM Medical Director, Extended Care Center, Ann Arbor VAMC Ann Arbor, MI

Mohamed A. Sidani, M.D., 1991-93, Post-Doc. Current position: Assistant Professor Department of Family Medicine Louisiana State University

Lisa Larkin, 1992-95, Post-Doc, Research interests: determining how the mechanism(s) responsible for the decrease in strength and endurance of aging skeletal muscle could help in the prevention and treatment of skeletal muscle disorders in the elderly. Current position: Assistant Research Scientist, Institute of Gerontology, UM

Michael Brown, 1995-96, Post-Doc, Research interests: The Role of the Sympathetic Nervous System in Sodium Sensitive Hypertensive Humans and the Effects of Aerobic Exercise Training on Sympathetic Nervous System Activity in Older Hypertensive Humans. Effects of Limb Exercise, Whole-Body, and Regional Norepinephrine Kinetics. Current position: Associate Professor, Department of Kinesiology, University of Maryland, College Park, MD

Janis Miller, 1996-99, Post-Doc, Research interests: Pelvic Floor Muscle Function and Stress Urinary Incontinence: Effects of Posture, Parity and Volitional Control. Current position: Research Assistant Professor, Obstetrics & Gynecology and School of Nursing, UM

T.H. Reynolds, 1998-2000, Post-Doc, Research interests: Protein Turnover and Glucose Metabolism in Aging Skeletal Muscle. Current position: Assistant Professor, Exercise and Sport Sciences, Ithaca College

Cathy-Lee Chopra, 1999-2001, Post-Doc, Research interests: Determining if Amlodipine Decreases Sympathetic Nervous System Activity in Older Congestive Heart Failure Patients. Current position: Assistant Professor, Geriatric Medicine, UM Health Systems

James Harper, 2000-04, Post-Doc, 2004-present Research Fellow, Research interests: the use of Genetically Heterogeneous Strains of Mice to Elucidate the Role of the Endocrine System in the Aging Mammal, as well as the Identification Genetic Loci. Current position: Research Fellow, Department of Pathology, UM

David M. Sengstock, 2002-05, Post-Doc, Research interests: Understand the Changes in the Cardio-Vascular System that are Seen with Aging, Director. Current position: Geriatrics Fellowship Education Program and Unit Medical Director, Oakwood Wellness Center, Oakwood Health Care System

Kristina Szafara, 2003-2006, Post-Doc, Research interests: the Role of Organizations in Aging and is Currently Studying Quality Improvement in Long-Term Care Organizations.

Junior Faculty Mentoring

Mark A. Supiano, M.D., 1990-1995, Research interests: Neurohumoral mechanisms of cardiovascular aging. Current position: Professor and Chief, Division of Geriatric Medicine

University of Utah Health System Director, VA Salt Lake City Geriatrics Research, Education and Clinical Center; Executive Director, University of Utah Center on Aging

Neal W. Persky, M.D., 1990-95, Research interests: Use of Cancer Prevention Techniques among Elderly Women. Current position: Clinical Instructor Division of Geriatric Medicine UM, Medical Director, Glacier Hills Care & Rehabilitation Center, Ann Arbor, MI

Raymond L. Yung, M.D., 2000-01, Research interests: Systemic lupus erythematosus; immunology of aging, drug induced autoimmunity. Current position: Professor, Geriatric Medicine

Cathy C. Lee, M.D., 2000-05, Research interests: The relationships between sex hormones and insulin resistance in older men and women. Current position: Assistant Professor, Internal Medicine, General Medicine

Kim Gretebeck, Ph.D., 2003-06, Research interests: Physical activity behavior and determinates of older adults. Current position: Assistant Professor, School of Nursing, UM

Janis Miller, Ph.D., 2004-05, Research interests: Pelvic floor disorders including urinary incontinence and prolapse. Current position: Research Assistant Professor, Obstetrics & Gynecology and School of Nursing, UM

Lona Mody, M.D., 2004-06; 2000-2002, Research interests: Infections and antimicrobial resistance in long-term care, pneumonia in older adults, and quality of care in nursing homes. Current position: Assistant Professor, Internal Medicine, Geriatrics, UM

Susan Murphy, 2005-06, Research interests: Assessment of physical activity and the development of clinical strategies to enhance activity performance among older adults with osteoarthritis. Current position: Research Investigator, Internal Medicine, Geriatrics, UM

Graduate Students Teaching

Contributed to "Analysis of Biostatistical Investigations" master level course in the
    Department of Biostatistics, School of Public Health, University of Michigan (Winter 2006,
Winter 2007, Winter 2008, Winter 2010).

Other Mentoring (as co mentor with other faculty members)

James K. Richardson, M.D. , 1995-1998, Research interests: The effect of peripheral nerve function on postural stability among older persons. Current position: Department of Physical Medicine & Rehabilitation

Muthayyah Srinivasan, MBBS, 1990-99. Current position: Practicing Physician Conyers, Georgia

Alex Greenwood, 1992-94, Pre-Doc, "Establishment and Maintenance of Gene Expression Patterns of X-Linked Genes." Current position: Research Scientist, Gsf-Forschungszentrum Für Umwelt Und Gesundheit, GMB

John McCarthy, 1995-98, Pre-Doc, "Medical Director Involvement in Federally Certified Nursing Homes." Current position: Research Investigator, Virginia Health Services Research and Development Center for Practice Management and Outcomes Research; VA National Serious Mental Illness Treatment

Lisa Shugarman, 1997-2000, Pre-Doc, "How States Identify Elderly and Disabled Individuals for State-Sponsored Home Care and Nursing Home Care, Including The Development of Screening Instruments to Determine The Best Level of Care For Individuals Found Eligible for State-Sponsored Care." Current position: Associate Health Policy Researcher, The Rand Corporation, Santa Monica, CA

Peter V. Vaitkevicius, M.D., 2000-02, Research interests: Cardiovascular disease, Congestive Heart Failure, Arterial Stiffness, Hypertension Exercise. Current position: Assistant Professor, Geriatric Medicine

Annette M. Chang, M.D., 2004-06. Current position: Assistant Professor, Internal Medicine, Endocrinology, UM

Carol Persad, Ph.D., 2003-06. Current position: Assistant Professor, Psychiatry, UM

Gilbert C. Gee, Ph.D., 2003-06. Current position: Assistant Professor, Health Behavior & Health Education, School of Public Health, UM

Joseph O. Nnodim, M.D., 2004-06. Current position: Clinical Instructor, Internal Medicine, Geriatrics

Dissertation Committee Membership

PhD dissertation committee for Soohyun Park, Ph.D student in the School of Nursing, University of Michigan, March 2006 –March 2010.

Invited Teaching Presentation

 "Linear mixed-effects models and meta-analysis: basic concepts and applications", Three day short course organized by International Society for Clinical Biostatistics and Jagiellonian University, Cracow, Poland, June 24-26, 2006 (jointly with Professor T. Burzykowski from Hasselt University, Belgium)

"Generalized linear (mixed-effects) models", Three day short course organized by International Society for Clinical Biostatistics and Jagiellonian University, Cracow, Poland, July 1-3, 2009 (jointly with Professor T. Burzykowski from Hasselt University, Belgium)

"Generalized linear models using R" Short course at IEA-EEF European Congress of Epidemiology, August 26, 2009. Warsaw, Poland

"Mixed and Hierarchical Linear Models" internet based one-month course organized by statistics.com (2007-present)

EXTRAMURAL INVITED PRESENTATIONS

"Population PK/PD models using SAS", Invited speaker, International Meeting of the Drug Information Association, San Diego, CA June 22, 2000.

"Nonlinear mixed effects models using SAS macro NLMEM", Invited speaker, XII International Colloquium on Numerical Analysis and Computer Sciences with Applications, Plovdiv, Bulgaria, August 12-17, 2003.

"Categorical Trait Loci Mapping in Genetics", Invited speaker, 6th Seminar on Statistics and Clinical Practice, International Center of Biocybernetics, Polish Academy of Science and Collaborating Centre for Research and Training in Biocybernetics and Biomedical Engineering, World Health Organization, Warsaw, Poland, June 16-18, 2005.

"Statistical Power Calculations for Clustered Data", Invited speaker, 7th Seminar on Statistics and Clinical Practice, International Center of Biocybernetics, Polish Academy of Science and

Collaborating Centre for Research and Training in Biocybernetics and Biomedical Engineering, World Health Organization, Warsaw, Poland, June 19-21, 2008.

"Mixed effects models: Definitions, Concepts, and Applications", Joslin Diabetes Center, Harvard University, Boston, October 8, 2009

"Implementation of a new pdMat class of variance-covariance structures for random effects in R", Invited speaker, 8th Seminar on Statistics and Clinical Practice, International Center of Biocybernetics, Polish Academy of Science and Collaborating Centre for Research and Training in Biocybernetics and Biomedical Engineering, World Health Organization, Warsaw, Poland, June 8-10, 2011.

IMPLEMENTATIONS OF RESEARCH PRODUCTS

SAS macro to perform Hosmer-Lemeshow test of goodness of fit for the logistic regression. UICSTAT library of statistical programs (1992).

SAS macro to compute kappa measure of agreement between categorical variables. STATLIB library of statistical programs (1994).

Examples of covariance structures proposed in Galecki A.T. (1994) were implemented in commercial software SAS PROC/MIXED.

NLMEM: SAS/IML macro for hierarchical nonlinear models (1998, 2003). Allows analyzing population PK/PD models specified as a solution of ordinary differential equations.

COMMITTEE AND ADMINISTRATIVE SERVICE

Member of the Advisory Committee for NIH Mentored Patient-Oriented Research Career Development Award (K23) for Dr. Annette M. Chang, 2003-2005.

Member of the Career Advisory Panel, Medical Scientist Training Program, Medical School, University of Michigan, since Oct.2004.

Member of search committee for tenure track position: Biogerontologist in Internal Medicine Department, Medical School, University of Michigan, 2004.

Member of search committee for tenure track position: Bioinformatician in Bioinformatics and Geriatrics Center, Medical School, University of Michigan, 2004.

Member (elected) of the Advisory Committee on Primary Research Appointments, Promotions, and Titles (APRAPT), Medical School, University of Michigan, since Sep. 2005 until Aug 2007

Chair, Advisory Committee on Primary Research Appointments, Promotions, and Titles (APRAPT), Medical School, University of Michigan, since Sep. 2007

Member of the Claude Pepper Center Research Operating Committee, Geriatrics Center, Medical School, University of Michigan, since Dec. 2005.

COMPUTER LANGUAGES

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SAS, Splus, R, GLIM, SUDAAN, GAUSS, FORTRAN

OPERATING SYSTEMS

UNIX, LINUX, VMS, Windows