

ANDRZEJ T. GALECKI, M.D., Ph.D.
CURRICULUM VITAE

PRESENT ADDRESS

Institute of Gerontology
University of Michigan
300 North Ingalls
Ann Arbor, MI 48109-2007
Phone: (734) 936-2138
FAX: (734) 936-2116
E-mail: agalecki@umich.edu
URL: <http://www-personal.umich.edu/~agalecki>

CAREER OBJECTIVE:

A position as Biostatistician/Epidemiologist, utilizing knowledge of medicine, study design, database management and statistical analysis to conduct and/or evaluate research in gerontology and geriatrics.

RESEARCH INTERESTS:

Nonlinear mixed effects models
Modeling of covariance structure in longitudinal data analysis
Generalized linear models and their application
Categorical data analysis
Event history data analysis
Influence of complex sampling design on statistical inference
Longitudinal information system for large scale databases

EDUCATION:

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)

1975-1981 Medical Academy of Warsaw
Physician Diploma

1972-1977 Department of Applied Mathematics of Technical University of Warsaw
M.S. Diploma

PROFESSIONAL EXPERIENCE:

Feb.2005-present Associate Research Scientist, Department of Biostatistics, School of Public Health, University of Michigan

Jul.2004-present Research Associate Professor, Institute of Gerontology, University of Michigan

Sep.2000-Jun.2004 Associate Research Scientist, Institute of Gerontology, University of Michigan

Sep.1995-Sep.2000 Assistant Research Scientist, Institute of Gerontology, University of Michigan

Oct.1990-Aug.1995 Biostatistician (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.

Feb.1990-Aug.1990 Visiting Scholar, Department of Biostatistics, (Graham Kalton, chair) School of Public Health, University of Michigan, Ann Arbor.

Audited classes in categorical data analysis, multivariate data analysis, analysis of censored data, survey methodology.

Oct.1988-Jan.1990 Visiting Scholar, Department of Medical Information Processing (Konrad Selbmann, chair), University of Tuebingen (Germany).

Analysis of data from Perinatal Bavarian Survey conducted in 1982-1986. Short-term statistical consultations.

Apr.1986-May 1986 Visiting Scholar, Association Europeenne pour l'Etude de 'Alimentation et du Developpement de l'Enfant, Paris, France.

Analysis of the data from the longitudinal study on the growth and development of Sudanese children.

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.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.

Oct.1981-Nov.1982 Medical internship, Medical Academy of Warsaw.

IMPLEMENTATIONS OF RESEARCH PRODUCTS

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

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

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

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

CURRENT RESEARCH GRANTS

NIH/NIA, P01 AG20591, "Reactive Oxygen Species: Stress and Damage in Old Muscle", 5/1/02 to 4/30/07, Biostatistician (5%), (J. Faulkner, Principal Investigator)

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", 8/01/02 to 7/31/05, Biostatistician (5%), (B. Carlson, Principal Investigator; B. Fries, Core Principal Investigator)

NIH/NIA, K24-AG19675, "Training in Older Adult Mobility Research", 8/1/01 to 7/31/06, Biostatistician (3%), (N. Alexander, Principal Investigator)

NIH/NIA, "Genetic Control of Longevity in Mice", 9/1/04-7/31/09, Biostatistician, (5%), (R. Miller, Principal Investigator)

PENDING

NIH, "Stress Pathways in Age-Related Hearing Loss", 07/01/2005-06/30/2010, Biostatistician, (J. Schacht, Principal Investigator)

NIH/NIA, P30AG08808, "Claude D. Pepper Older Americans Independence Center", 09/01/2004-08/31/2009, Chief Biostatistician, (J. Halter, Principal Investigator)

PREVIOUS GRANTS

Claude Pepper Older Americans Independence Center, "Genetic Mapping of Qualitative Trait Loci using Four-way Crosses", 6/1/99-5/31/00, Principal Investigator, (10%).

NIH/NIA, P30AG08808-05, "Claude D. Pepper Older Americans Independence Center, Methodology, Data Management and Analysis Core", 9/1/99-8/31/04, Chief Biostatistician, (30%), (J. Halter, Principal Investigator)

NIH/NIA, P01-AG16699 "Genetics of Age-Sensitive Traits in Mice. Analysis Core D", 4/1/99-3/31/04, Core Director, (30%), (R. Miller, Principal Investigator)

NIH/NIA, "Genetic Control of Longevity in Mice", 3/1/99-28/2/04, Biostatistician, (5%), (R. Miller, Principal Investigator)

NIH/NINR, "Family Home Care for Cancer: A Community-Based Model" 6/1/98-5/31/02, Biostatistician, (10%), (B. Cimprich, Principal Investigator)

NIH/NIA, "Rehabilitation of microvascular grafts in old rats", 09/1996-07/2001, Consultant, (L. Larkin, Principal Investigator)

Department of Veterans Affairs (HSR&D), "VA Medical Research Service Merit Review: Adrenergic Responses and Insulin Resistance in Geriatric Hypertension", 10/1/95-9/1/00, Biostatistician, (10%), (M. Supiano, Principal Investigator)

Department of Veterans Affairs, "V.A. Medical Research Service Merit Review: Aging, Carbohydrate Metabolism and Adrenergic Function", 4/1/95-3/31/00, Biostatistician, (5%), (J. Halter, Principal Investigator)

NIH/NIA P30AG08808-05, "Claude D. Pepper Older Americans Independence Center, Methodology, Data Management and Analysis Core", 9/1/94-8/31/99, Chief Biostatistician, (50%), (J. Halter, Principal Investigator)

NIH/NIA, "Task specific resistance training to improve transfers", 9/1/97-8/31/99, (N. Alexander, Principal Investigator).

NIH, "Towards improved stress urinary incontinence intervention efficacy", 9/1/93-8/31/99, (J. Ashton-Miller, Principal Investigator).

Michigan Diabetes Research Training Center, "The physician effect in non-insulin dependent diabetes mellitus", 12/1/95 -1/1/1997, (C. Blaum, Principal Investigator).

NIH/NIA, "Mupirocin prophylaxis for staphylococcal infection in nursing homes", 4/1/1995-3/31/1996, (S. Bradley, Principal Investigator).

HCFA, "Longitudinal analysis of health outcomes", 9/1/96-8/31/99, (B. Fries, Principal Investigator).

NIH/NIDDK, "Biomechanics of Female Stress Urinary Incontinence", 9/1/93-8/1/98, Biostatistician, (10%), (J. Ashton-Miller, Principal Investigator)

Health Care Financing Administration, Department of Health and Human Services, "Changing Roles of Nursing Homes", 2/1/96-6/30/98, Biostatistician, (25%), (B. Fries, Principal Investigator)

NIH/NIA, 5P30AG08808, "Michigan Geriatrics Research and Training Center", 10/1/90-8/31/94, Biostatistician, Data Management and Analysis Core, (100%), (J. Halter, Principal Investigator)

Governmental program, "Medical and sociological predictors of breast feeding. National Survey", 1/1/95-8/31/88, Biostatistician/Survey Methodologist, (30%), (Z. Brzezinski, Principal Investigator)

WHO, "Multinational Longitudinal Study of Vascular Diseases in Diabetics", 10/1/81-12/31/84, Biostatistician/Epidemiologist, (30%), (A. Czyzyk, Principal Investigator)

STATISTICAL CONSULTATIONS

(SELECTED PROJECTS)

Prevention of Disease by Immunotonic Agents in Mice (Investigator: R. Miller)

Treatment of Heart Failure in Older Humans (Investigator: M. Supiano)

Education vs. Exercise for Mild Stress Incontinence (Investigator: J. Ashton-Miller)

Task Specific Resistance Training to Facilitate Transfer (Investigator: N. Alexander)

Identifying Elderly Patients for Early Hospital Discharge (Investigators: M. Ensberg, M. Budow, M. Paletta)

Predictors of the Placement of Cognitively Impaired Residents on Special Care Units (Investigator: R. Riter)

Wisdom in Later Adulthood: Psychological Correlates (Investigator: Lucinda Orwoll)

REVIEWER

Reviewer for Journal of the Royal Statistical Society, Biometrical Journal, Aging Cell, Medical Care, Journal of Gerontology, and SAS Institute.

COMPUTER LANGUAGES:

SAS, Splus, GLIM, SUDAAN, GAUSS, FORTRAN, dBASE

OPERATING SYSTEMS:

UNIX, VMS, Windows, DOS

LANGUAGES:

English, French, Russian, Polish (native language)

FELLOWSHIPS AND HONORS

June, 2000 Invited speaker, International Meeting of the Information Drug Association, San Diego

Feb.1990-Aug.1990 Post doctoral fellowship from the Kosciuszko Foundation in New York

Apr.1986-May 1986 Fellowship from the Association Europeenne pour l'Etude de l'Alimentation et du Developpement de l'Enfant in Paris, FRANCE

MEMBERSHIP

Aug.1991-present American Statistical Association

Aug.1994-present International Biometric Society

Aug.1988-Dec.1992 European Association for the Study of Diabetes