

# Ongoing Research, Boo Johansson

## Major research projects

### **Origins of Variance in the Old-Old: Octogenarian Twins.**

Project director: Longitudinal (5 measurement occasions) twin study of monozygotic and like-sexed dizygotic twin pairs, aged 80 and older, with the overall aim to estimate the relative contribution of genetic and environmental influences to late life functioning, including health and cognitive functioning. Supported by the National Institute on Aging NIA - AG 08861, FAS 2002-0659. 1991 - ongoing.

### **Dementia in Swedish Twins - The Harmony Study**

Co-investigator: Major study of dementia and cognitive decline in elderly twins based on a screening of individuals 65 and older in the Swedish Twin Registry. Special responsibility for diagnostic work-up of all dementia suspects. Supported by NIH/NIA AG 08724. 1999- ongoing.

### **H70 - The Gerontological and Geriatric Population Studies in Göteborg, Sweden.**

Principal Investigator of the psychological/neuropsychological component: The H70 research program is based on longitudinal investigations of multiple birth cohorts of 70 year olds (started in 1971/72). Supported by a long list of Swedish funding agencies, e. g., Riksbankens Jubileumsfond, DSF/SFR, MFR, FAS, and VR. 1979 - ongoing.

### **The NONA Study.**

Co-investigator: The study includes longitudinal in-person testing of individuals in very late life with the overall aim to examine the "disablement process", i.e. the fit between individual resources (physical and cognitive) and environmental demands mediated by informal and formal service and care. Supported by Swedish grants, SFR, Vardal, FAS. 1999 - ongoing.

### **The OCTO/NONA Immune Studies**

Co-investigator: Studies examining immune system characteristics/functioning in relation to various aspects of biobehavioral health, including memory and cognition. Supported by SFR, Scientific Board, County of Jönköping, EU research support network. 1989 - ongoing.

## Other ongoing research projects

### **Mild cognitive impairment (MCI) and then?**

Principal-Investigator in follow-up studies of individuals initially evaluated as suspects for dementia. Collaboration with Clinical Neuropsychiatry.

## **Cognitive effects of cytotoxic therapy**

Co-Investigator: Follow-up studies of individuals exposed to chemotherapy induced as treatments for cancer. Collaboration with Cancer Epidemiology.

## **Research Team at the Dept. of Psychology**

Linda Hassing, Valgeir Thorvaldsson, Anne Ingeborg Berg, Magnus Lindwall and PhD students

## **Major research collaborations - national and international**

Gatz, Margaret, Dept of Psychology, Univ. of Southern California, LA, USA (twin studies, dementia)

Hofer, Scott, Dept. of Psychology, Univ. of Victoria, Victoria, Canada (analysis of longitudinal data, cognition)

Hoffman, Lesa, Dept. of Psychology, Univ. of Nebraska-Lincoln, Lincoln, USA

Malmberg, Bo, Institute of gerontology, School of Health Sciences, Jönköping Univ. (mental health and well-being)

McClearn, Gerald, Dept of Biobehavioral Health, Penn State University, PA, USA (twin studies)

Pedersen, Nancy, L., Dept of Medical Epidemiology and Biostatistics, Karolinska Institute, Stockholm (twin studies)

Reynolds, Chandra, Dept of Psychology, Univ. of California, Riverside, CA, USA (behavior genetic analysis)

Skoog, Ingmar, Dept. of Neuroscience and Physiology, Sahlgrenska Academy, Univ. of Gothenburg (mental health, cognition and dementia)

Steineck, Gunnar, Section of Cancer Epidemiology, Sahlgrenska Academy, Univ. of Gothenburg (cognition and cancer)

Zarit, Steven.H., Dept of Individual and Family Studies, College of Health and Human Development, Pennsylvania State University, PA, USA (coping and well-being)

Wallin, Anders Department of Neuroscience and Physiology, Sahlgrenska Academy, Univ. of Gothenburg (mild cognitive impairment)

Wikby, Anders, Dept of Natural Science and Biomedicine, School of Health Science, Jönköping Univ. (cognition and immunology)

## Research network

Swedish Brain Power A Swedish Network for Early Diagnosis and Therapy  
Research of Neurodegenerative Disorders  
<http://www.swedishbrainpower.se>)

Epi-Life Centre FAS Center at the University of Gothenburg for Studies  
of Mental and Physical Health Interacting over the Life  
Course  
[www.epilife.se](http://www.epilife.se)