

Emil Rehnberg

CONTACT INFORMATION	Sköntorpsvägen 102 12053 Årsta (Stockholm) SWEDEN	<i>Mobile:</i> +46-730-550635 <i>E-mail:</i> emil.rehnberg@gmail.com
CITIZENSHIP	Swedish and Finnish	
EDUCATION	Stockholm University , Stockholm, SWEDEN Magister Scientae, Mathematical Statistics , May 2009 <ul style="list-style-type: none">• Thesis Topic: <i>Evaluation of a multipoint method for imputing genotypes using HapMap III</i>• Supervisors: Juni Palmgren Keith Humphreys Monica Leu• Area of Study: Biostatistics (genetics)	
PROFESSIONAL / ACADEMIC EXPERIENCE	Department of Medical Epidemiology and Biostatistics Karolinska Institutet , Solna, Stockholm, Sweden <i>Biostatistician</i> December 2009 to present <ul style="list-style-type: none">• Statistical consultant for multiple research projects.• Statistical consultant for PhD-students. Project planning, analysis, data management, methods.• Teaching assistant in biostatistic courses. <i>Research Assistant</i> June 2009 to December 2009 Collaborators: Juni Palmgren, Keith Humphreys and Monica Leu <ul style="list-style-type: none">• Imputation of genotypes for NordicDB<ul style="list-style-type: none">• Responsible for imputation of genotype data, genome-wide for NordicDB, which is a nordic database for genome-wide genetic information from controls (genotypes and allele frequencies).• Paper: NordicDB: a Nordic pool and portal for genome-wide control data, <i>European Journal of Human Genetics</i> , (28 July 2010) Matteakuten , Stockholm, Sweden <i>Math teacher</i> September 2007 to January 2008 <ul style="list-style-type: none">• Employed as a math teacher at upper secondary school level. (As extra work during university studies)	
SUBMITTED JOURNAL PUBLICATIONS	Smedby KE et. al. GWAS of Follicular Lymphoma Reveals Allelic Heterogeneity at 6p21.32 and Suggests Shared Genetic Susceptibility with Diffuse Large B-cell Lymphoma. <i>PLoS Genetics</i> 2011 April. Monica Leu, Keith Humphreys, Ida Surakka, Emil Rehnberg, .. Juni Palmgren, Samuli Ripatti. NordicDB: A Nordic pool and portal for genome-wide control data. <i>European Journal of Human Genetics</i> . 2010 December. Emil Rehnberg. Evaluation of a multipoint method for imputing genotypes using HapMap III. Masters thesis, Karolinska Institutet, Department of Medical Epidemiology and Biostatistics, 2009.	

PAPERS IN PREPARATION	<p>Kathy Lunetta et. al. Meta-analysis of age at menopause identifies multiple novel loci highlighting DNA repair and aging pathways.</p> <p>Linda Halldner, Emil Rehnberg, Niklas Långström, Cecilia Lundholm, Marcus Boman, Paul Lichtenstein. Birth month as a risk factor for ADHD in Sweden.</p>
TEACHING EXPERIENCE	<p>Department of Medical Epidemiology and Biostatistics, Solna, Stockholm, Sweden</p> <p><i>Teaching Assistant</i> December 2009 to May 2011</p> <ul style="list-style-type: none"> • Master's Programme in Biomedicine, Biostatistics course <ul style="list-style-type: none"> • Teaching assistant for pen & paper exercises and computer labs. Descriptive, univariate, multivariate analysis, logistic regression. • Bachelor's Programme in Biomedicine, Biostatistics course <ul style="list-style-type: none"> • R and R-commander introduction lecture. • Teaching assistant for pen & paper exercises and computer labs. • Biostatistics for Molecular Oncology course. <ul style="list-style-type: none"> • Statistical consulting for group discussions. Descriptive stats and survival analysis in R. • Teaching assistant for pen & paper exercises and computer labs.
EXPERTISE	<p><i>Mathematics:</i></p> <ul style="list-style-type: none"> • Applied mathematics, linear algebra, multivariate analysis <p><i>Statistics/Biostatistics:</i></p> <ul style="list-style-type: none"> • Epidemiology, descriptive statistics, multivariate analysis, analysis of categorical data, stochastic processes, probability theory, survival analysis.
SOFTWARE SKILLS	<p><i>Programming:</i></p> <ul style="list-style-type: none"> • Bash shell scripting, parallel computing, R, SAS. <p><i>Applications:</i></p> <ul style="list-style-type: none"> • PLINK, multiple UNIX-based genetic software. <p><i>Productivity Applications:</i></p> <ul style="list-style-type: none"> • T_EX, Vim <p><i>Operating systems:</i></p> <ul style="list-style-type: none"> • Ubuntu, Microsoft Windows family, Apple OS X and other UNIX variants.
COURSES	<p><i>Workshops / Lectures</i></p> <ul style="list-style-type: none"> • RegStat 2011 - Extensions to Epidemiological Designs in Register-Based Research. • ENGAGE IT-Course and Statistical Workshop: Tools for data analysis and management in complex traits genetic studies. • Age Period-Cohort Modelling. • Essentials of descriptive cancer epidemiology. <p><i>Courses</i></p> <ul style="list-style-type: none"> • PDC Summer School - Introduction to High-Performance Computing. • Epidemiological theory in a statistical framework.
LANGUAGE SKILLS	Swedish, English, Japanese (elementary)