

MATS ROSENLUND, PhD, MPH

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EDUCATION

PhD in Epidemiology, Karolinska Institutet, Sweden, 2005.

MSc in Public Health, Karolinska Institutet, Sweden, 2000.

BSc in Environmental Health, Umeå University, Sweden, 1995.

High School degree, Natural Sciences, Nynäshamn High School, Sweden, 1991.

WORK EXPERIENCE

1997–Present **Epidemiologist/Researcher/Environmental Health Officer** at the Dept. of Occupational and Environmental Health, Stockholm County Council.

- Publication of reports and articles in environmental epidemiology, especially related to cardiovascular and respiratory disease.
- Presentation and dissemination of Department reports, research activities, and scientific expertise to national and international authorities, and industry.
- Participation in strategic planning of the Department's future development.
- Member of the editorial group to disseminate the results of research and expertise from the Department.
- Responsible for implementing the Council's environmental impact strategies at the Department.
- Participation in international, national, and regional networks for the advancement of environmental health.
- Presentations at national and international meetings, conferences, and symposia in the field of medicine and environmental epidemiology.

Special assignments

2001–2006 **Scientific secretary** for a nationwide 5-year medical research program (34 MSEK).

- Responsible for coordination, information activities, and counseling on Program matters towards national, regional and local authorities, industry, and other stakeholders.
- Member of the Program Board, including planning and participation in Board meetings and assessment of applications for funding of new research projects by the Program.
- Preparation of the Program application and mid-term report.
- Responsible for production, design, and maintenance of the website (www.snap.se).

2002 – 2003 **Temporary adviser** to WHO, Bonn, Germany.

- Participation in developing indicators to follow time-trends of disease prevalence related to the environment in the WHO European Region.
- Involved in discussions at project meetings, and drafting and reviewing of project reports.

Previous/other positions

2006 (Feb–Nov) **Postdoc**, Department of Epidemiology, Regional Health Authority, Rome, Italy.

2005 (May–) **Postdoc**, Institute of Environmental Medicine, Karolinska Institutet.

2002–2005 **PhD student** at Karolinska Institutet, including research courses and teaching (dissertation April 24, 2005).

1995 (Jun–Aug) **Environmental Health Officer** at the Environment and Health Protection Administration, Värmdö Municipality.

1991-1992 **Military service**, Swedish Coast Guard Artillery, KA3, Gotland.

PROFESSIONAL AFFILIATIONS

SN – Swedish Association of Scientists.

SLS – Swedish Society of Medicine.

SVEP – Swedish Epidemiological Society.

ISEE – International Society for Environmental Epidemiology.

AREAS OF THERAPEUTIC EXPERIENCE

Epidemiology – exposure assessment, risk assessment, biostatistics

Cardiovascular – coronary heart disease, myocardial infarction, hypertension

Respiratory/pulmonary – asthma and airway disease

Allergy – allergic sensitization and atopy

Oncology – medical registers including all cancer types (ICD9 and ICD10)

UNIVERSITY COURSES (selected, 1 credit equals 1 week of full-time studies)

Ischemic heart disease – from bedside to animal models (1 credit), Karolinska Institutet, Oct. 2004

Survival analysis (1 credit), Karolinska Institutet, Dec. 2003

Statistics with Stata (1 credit), Karolinska Institutet, Nov. 2003

Epidemiology, Advanced theory and practice (1 credit), Karolinska Institutet, Nov. 2003

European Program in Biostatistics and Epidemiology (3 credits), Florence, Italy, June/July 2003

Environmental Epidemiology (2 credits), Basel University, Switzerland, July 2001

Multivariate Methods for Epidemiology (1 credits), Karolinska Institutet, Apr. 2001

Cancer Epidemiology (1 credit), Karolinska Institutet, Sep. 1997

Advanced Epidemiology and Biostatistics (6 credits), Karolinska Institutet, Dec. 1996

Basic Epidemiology and Biostatistics (5 credits), Karolinska Institutet, Oct. 1996

Public Health (5 credits), Karolinska Institutet, Oct. 1996

French language studies, Université Lumière, Lyon, France, grade: 17,86 of 20, Jan.-Jun. 1996

Environmental Medicine, (10 credits), Umeå University, May 1995

Studies of the Environment and Health (50 credits), Umeå University, Mar. 1995

Physiology and Toxicology (10 credits), Umeå University, Jan. 1994

Chemistry (9 credits), Umeå University, Dec. 1993

Environmental Law (5 credits), Umeå University, Mar. 1993

Public Administration (7 credits), Umeå University, Mar. 1993

AWARDS AND HONORS

Outstanding abstract award as New Investigator at the 11th Conference of the International Society for Environmental Epidemiology, Athens, Greece, Aug. 1999.

Recognition for **outstanding article review** from the Editor of American Journal of Epidemiology, Jul. 2006.

Acknowledgement for **outstanding abstract** at the annual conference for particle research, Florence, Italy, Sep. 2006.

SCIENTIFIC CONFERENCES

SVLS – Swedish Society of Medicine. Oral presentations at the Society's annual meetings in Stockholm (1997 and 1999), and Gothenburg (2004).

IFEH – International Federation of Environmental Health, oral presentation, Stockholm (1998).

ISEE – International Society for Environmental Epidemiology. Oral presentations at the Society's annual meetings in Boston (1998), Athens (1999), Buffalo (2000), Vancouver (2002), Perth (2003), New York (2004, poster), and Paris (2006).

AIRNET – A Thematic Network on Air Pollution and Health, poster presentation at the annual conference in London (2002) and Prague (2004).

INVITED SPEAKER

IMM – Institute of Environmental Medicine, Karolinska Institutet, invited speaker at the Thematic Conference on Environment and Health, Stockholm, Sweden, 2001.

HEI – Health Effects Institute, invited poster presenter at the annual conference, Washington, 2001

YMK – Occupational and Environmental Health, invited speaker at the seminar series on Environmental Medicine, Gothenburg, Sweden, 2002.

SOC – The National Board on Health and Welfare, invited speaker at the annual seminar on Environmental Medicine, Stockholm, Sweden, 2003.

WHO – World Health Organization, invited speaker at the planning meeting on survey methods for environmental health assessments, Bonn, Germany, 2002.

AIRPOLIFE – Air Pollution in a Life Time Health Perspective, invited speaker at the program meeting in Copenhagen, Denmark, 2005.

ESC – European Society of Cardiology, invited speaker on a symposium at the annual congress, Stockholm, Sweden, 2005.

LIST OF SCIENTIFIC PUBLICATIONS

Rosenlund M, Bluhm G. Health Effects of Nitrogen dioxide Exposure in an Indoor Ice Arena. Arch Environ Health 1999; 54: 52-57.

Rosenlund M, Berglind N, Pershagen G, Järup L, Bluhm G. Increased Prevalence of Hypertension in a Population Exposed to Aircraft Noise. Occup Environ Med 2001; 58(12): 769-73.

Rosenlund M, Berglind N, Gustavsson A, Reuterwall C, Hallqvist J, Nyberg F, Pershagen G. Environmental Tobacco Smoke and Myocardial Infarction Among Never-Smokers in the Stockholm Heart Epidemiology Program (Sheep). Epidemiology 2001; 12(5): 558-64.

Rosenlund M, Berglind N, Hallqvist J, Bellander T, Bluhm G. Daily Intake of Magnesium and Calcium from Drinking Water in Relation to Myocardial Infarction. Epidemiology. 2005 Jul; 16(4): 570-576.

Rosenlund M, Jungnelius S, Bluhm G, Svartengren M. A Five-Year Follow-up of Airway Symptoms After Nitrogen Dioxide Exposure in an Indoor Ice Arena. Arch Environ Health 2004 Apr; 59(4): 213-7

Rosenlund M, Berglind N, Hallqvist J, Jonsson T, Pershagen G, Bellander T. Long-term Exposure to Urban Air Pollution and Myocardial Infarction. Epidemiology. 2006 Jul; 17(4): 383-90.

Bluhm G, Berglind N, Nordling E, **Rosenlund M**. Road traffic Noise and Hypertension in Sollentuna, Sweden. Occup Environ Med 2007; 64(2): 122-6.

Rosenlund M, Forastiere F, Stafoggia M, Porta D, Perucci M, Ranzi A, Perucci C. Comparison of Regression Models with Land-use and Emission Data to Predict the Spatial Distribution of Traffic-related Air Pollution in Rome. J Exp Sci Env Epidemiol 2007 Apr 11; [Epub ahead of print].

Eriksson C, **Rosenlund M**, Pershagen G, Hilding A, Östenson CG, Bluhm G. Aircraft noise and incidence of hypertension. Epidemiology. 2007 Oct 3; [Epub ahead of print]

Rosenlund M, Picciotto S, Forastiere F, Stafoggia M, Perucci C. Traffic-related air pollution in relation to incidence and prognosis of coronary heart disease. Epidemiology (Accepted)

Rosenlund M, Bellander T, Nordquist T, Alfredsson L. Traffic-generated air pollution and myocardial infarction. (Submitted)

MISCELLANEOUS

Language (knowledge level)

Swedish (native), English (fluent), French (good), German (limited), Italian (superficial)

Computer experience

MS Office (Word, Excel, Power Point, Front Page), Stata Statistical Software, Lotus Notes, EndNote.