EpidM, of the department Epidemiology and Biostatistics, organizes together with the department Clinical Genetics, section Community Genetics:

2-day course Public Health Genetics and Community Genetics
Amsterdam, 26-27 May 2011 (before ESHG)

Introduction
Genetics and genomics may lead to a new understanding of genetic contributions to human disease and the development of rational strategies for minimizing or preventing disease phenotypes altogether. However, translation appears to lag behind. This course aims to give an overview of current and future applications of medical genetics/genomics in health care. The student analyses current debates on pros and cons of these applications, as well as scientific developments in genetics/genomics and technology assessment related to these potential applications. Existing genetic care in clinical genetic centres, genetic screening and prenatal diagnosis is studied. Future scenarios are debated, including the development of tailored prevention programs.

Contents
- Monogenic conditions, multifactorial disorders, complex diseases, monogenic subtypes
- The impact of genetic conditions on individual and society
- Genetic health care (clinical genetics, genetic screening, direct to consumer tests)
- Different approaches of public health and clinical genetics
- Tailoring prevention, risk stratification
- Criteria for screening, clinical utility
- Karyotype, DNA test, array, SNP, CNV
- Whole genome technology, blurring boundaries of research and health care
- Ethical, legal, historical and social aspects of genetics/genomics
- Translation: from knowledge to implementation

Target audience
A multidisciplinary audience including clinical geneticists, researchers, public health experts, ethicists, social scientists

Faculty
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In care you are interested; please mail to y.vanloon@vumc.nl whether you want to receive the second announcement or whether you want to register already.

Provisional cost: 645€ (depending on number of participants and sponsoring, including lunches and dinner on the first day).