



The Richard Doll Seminars in Public Health and Epidemiology

Dr Alex Couto Alves

Imperial College London

“Systems biology and functional analysis of genetic risk factors for asthma and allergic disorders”

Tuesday 27th May 2014
11am-12pm

Lecture Theatre, Richard Doll Bldg, Old Road Campus

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All welcome



Dr Alex Couto Alves

Department of Epidemiology and Biostatistics, Imperial College London



Dr Alex Couto Alves completed a PhD degree in Bioinformatics and Systems Biology in the laboratory of Prof. Jeremy Nicholson, before moving to his current post in the Department of Epidemiology and Biostatistics, Imperial College London. He currently works with Prof. Marjo-Riitta Järvelin, with roles in research coordination for the Northern Finland Birth Cohorts and development of an online medical statistics course for the Graduate School.

For the last 4 years, Dr Couto Alves's principle areas of research have been in genomics and metabolomics, investigating the contribution of genetic variation in the human genome to disease risk and phenotypic variation, with a particular focus on inflammatory diseases. He was a leading contributor to a recent meta-analysis that identified genetic risk variants accounting for 25% of the population risk of allergic sensitization and allergic rhinitis, and previously contributed to the identification of 3 further loci affecting risk of atopic dermatitis. He continues to have an interest in the development of novel methodologies for the analysis of genomics and metabolomics data applied to inflammatory disease, and is currently involved in the meta-analysis of metabolomics data from cohorts within the ENGAGE consortium.