Molecular and Genetic Epidemiology of Myeloma – the Past, Present and Future

UAB Department of Epidemiology

Presents

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Department of Epidemiology
Associate Professor

“Molecular and Genetic Epidemiology of Myeloma – the Past, Present and Future”

Using models of autoimmunity and immune-suppression, the work in Dr. Brown’s is targeted toward understanding the natural history of aberrant immune function common to inflammatory-mediated chronic diseases. Of particular interest is the genetic basis of select host-pathogen interactions, systemic lupus erythematosus, rheumatoid arthritis as well as multiple myeloma along with its asymptomatic precursor conditions, all with underlying B cell pathologies. Within this purview, we use a multi-disciplinary functional genomics approach to explore pathways involved in chronic immune perturbation, B cell homeostasis, cytokine signaling as modifiers of disease, and immune senescence as markers of complex disease susceptibility, morbidity and mortality. The goal of this research is to identify and validate molecular biomarkers of clinical outcomes, which may be used to target high-risk populations to prevent or reduce disease burden.
Monday, 
April 22, 2013 
12 - 1 PM 
Ryals School of Public Health, 
Room 407

Light Snacks Will Be Provided

Departments: Epidemiology