



Scuola "Facoltà di Medicina"

Dipartimento di Scienze Mediche, Chirurgiche e Tecnologie Avanzate "G. F. Ingrassia"

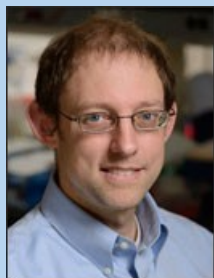
Seminario Internazionale

Prof. Joel S. Bader

ADDING GENES AND PLEIOTROPY TO GENOME-WIDE ASSOCIATION STUDIES

Catania, martedì 30 giugno 2015 — ore 15:00

Aula Magna Policlinico "G. Rodolico"



Prof. Joel S. Bader is Associate Professor at Johns Hopkins University in the Department of Biomedical Engineering and is Director of the High Throughput Biology Center at the School of Medicine, with secondary appointments in Computer Science and Human Genetics. Prior to joining Johns Hopkins, Dr. Bader was employed by CuraGen Corporation (1995-2003) and is co-inventor of the Roche/454 Genome Sequencer. Dr. Bader has a Ph.D. in Theoretical Chemistry from U.C. Berkeley (1991), where he was an NSF Predoctoral Fellow, and performed post-doctoral research at Columbia University (1992-1995). Research in the Bader lab aims to understand the connection between genotype and phenotype through research in three areas: identifying genes and variants that control specific phenotypes, particularly those that cause disease or increase disease risk; developing systems biology methods to map biological networks and pathways and analyze how upstream perturbations result in downstream biological responses; and using synthetic biology to design and build cells with desired properties. Current and previous funding sources include NIH (US), NSF (US), DOE (US), DARPA (US), Microsoft, and the Kleberg Foundation.

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