Hyperactive Ras Signaling in Developmental Disorders and Blood Cancer

RAS and NF1 genes, which encode core components of the Ras/GTPase molecular switch, are frequently altered by somatic mutations in human cancer. These mutations increase Ras output and drive malignant growth. Germline NF1 mutations cause type 1 neurofibromatosis (NF1), a common dominant multi-system disorder that is the founding member of a group of related developmental disorders collectively called the “Rasopathies”. This seminar will focus on the role of Ras pathway mutations in these different clinical contexts and discuss emerging therapies.

Dr. Kevin Shannon, MD
American Cancer Society Research Professor and Auerback Distinguished Professor of Molecular Oncology
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Host: Dr. Mandar Muzumdar, MD
Assistant Professor
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Tuesday, November 12, 2019
11:30am - 12:30pm
The Anlyan Center – N107

The Genetics Calendar of Events can be viewed on-line at https://medicine.yale.edu/genetics/events/seminars.aspx