



Yale SCHOOL OF MEDICINE

GENETICS DEPARTMENT SEMINAR SERIES

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
Interim Chair
Department of Pediatrics University of California, San Francisco

Host: Dr. Mandar Muzumdar, MD

Assistant Professor
YSM Department of Genetics

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>