MEMORIAL HOSPITAL RESEARCH LABORATORIES

The Kenneth Offit Lab

Kenneth Offit, MD

Research in the laboratory focuses on the discovery and characterization of novel cancer predisposing genes in humans, including both common and rare variants. We conduct studies to describe phenotype, penetrance, modifying effect, and clinical outcomes associated with germline genetic alterations in cancer patients and their families. In addition, our research focuses on the interpretation and clinical translation of results of massively parallel sequencing of germline genomes in cancer-prone kindreds.

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Featured News

[Meet the 2023–2024 Andrew Sabin Family Foundation Fellows]

FINDING

[Repairing DNA Damage in Cancer Cells]

New findings could lead to a different kind of cancer drug that targets a DNA damage repair pathway called nucleotide excision repair.

IN THE CLINIC

[Innovative Research Center Will Explore Hereditary Cancer Genes]

MSK's new Robert and Kate Niehaus Center for Inherited Cancer Genomics is using the latest in gene sequencing technologies to discover the inherited causes of cancer.

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Publications Highlights

Wei X, Calvo-Vidal MN, Chen S, Wu G, Revuelta MV, Sun J, Zhang J, Walsh MF, Nichols KE, Joseph V, Snyder C, Vachon CM, McKay JD, Wang SP, Jayabalan DS, Jacobs LM, Becirovic D, Waller RG, Artomov M, Viale A, Patel J, Phillip J, Chen-Kiang S, Curtin K, Salama M, Atanackovic D, Niesvizky R, Landgren O, Slager SL, Godley LA, Churpek J, Garber JE, Anderson KC, Daly MJ, Roeder RG, Dumontet C, Lynch HT, Mullighan CG, Camp NJ, Offit K, Klein RJ, Yu H, Cerchietti L, Lipkin SM. Germline Lysine-Specific Demethylase 1 (*LSD1/KDM1A*) Mutations Confer Susceptibility to Multiple Myeloma. *Cancer Res*. 2018 May 15;78(10):2747-2759.

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Hamilton JG, Shuk E, Genoff MC, Rodríguez VM, Hay JL, Offit K, Robson ME. Interest and Attitudes of Patients With Advanced Cancer With Regard to Secondary Germline Findings From Tumor Genomic Profiling. *J Oncol Pract*. 2017 Jul;13(7):e590-e601.

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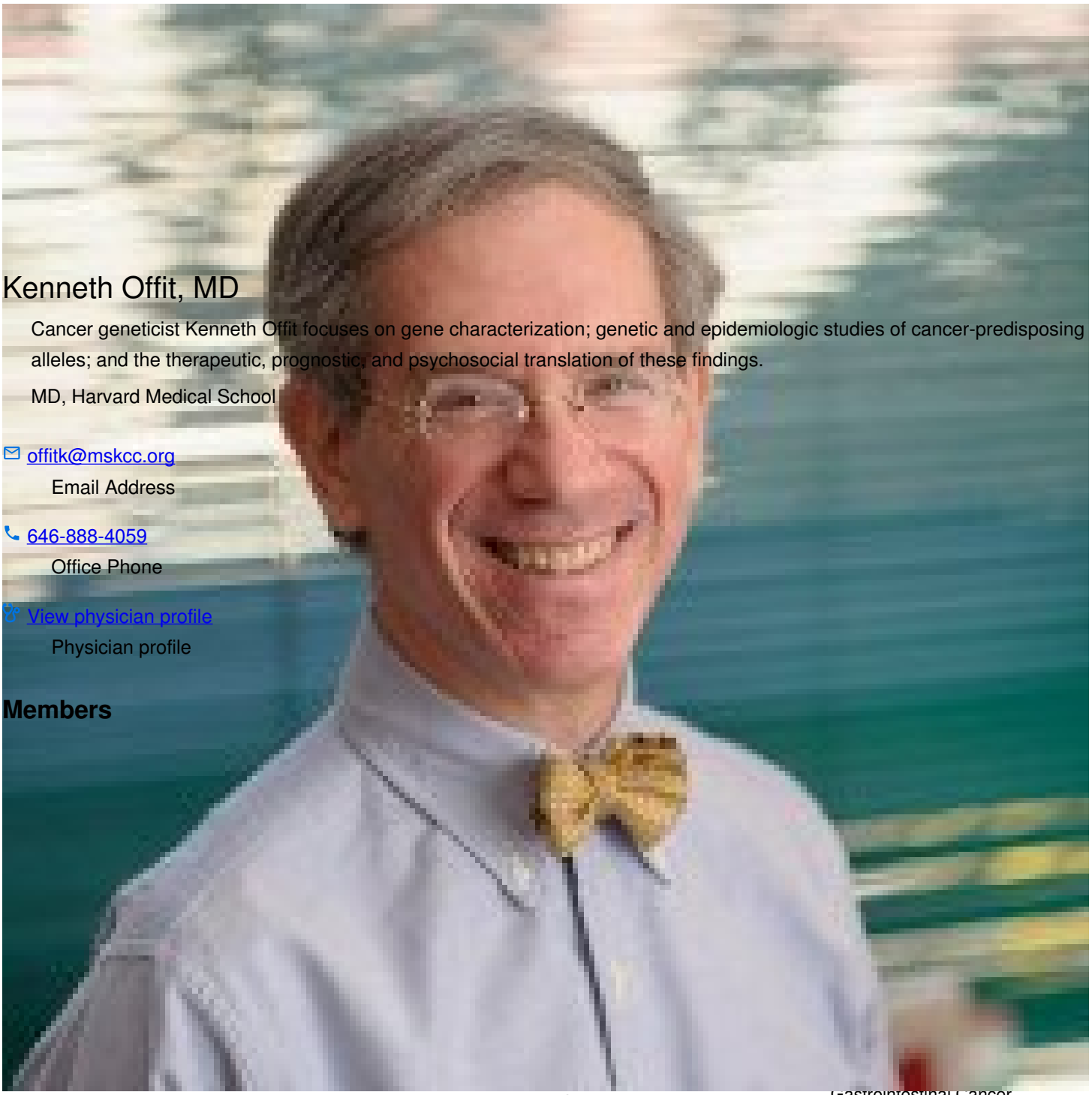
People



Kenneth Offit, MD

Cancer geneticist Kenneth Offit focuses on gene characterization; genetic and epidemiologic studies of cancer-predisposing alleles; and the therapeutic, prognostic, and psychosocial translation of these findings.

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Members

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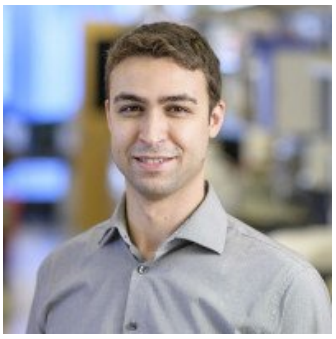
Gastrointestinal Cancer Genomics, Niehaus Center



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Yelena Kemel

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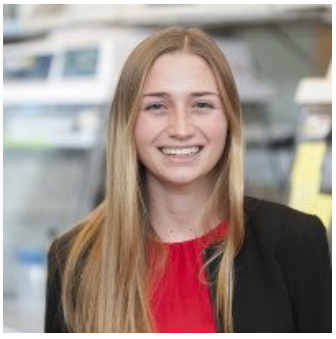
Vignesh Ravichandran

Bioinformatics Specialist



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Lead, Inherited Pediatric
Cancer Genomics,
Niehaus Center

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Disclosures

Doctors and faculty members often work with pharmaceutical, device, biotechnology, and life sciences companies, and other organizations outside of MSK, to find safe and effective cancer treatments, to improve patient care, and to educate the health care community.

MSK requires doctors and faculty members to report (“disclose”) the relationships and financial interests they have with external entities. As a commitment to transparency with our community, we make that information available to the public.

Kenneth Offit discloses the following relationships and financial interests:

AnaNeo Therapeutics
Equity

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