

INNOVATIVE RESEARCH GRANTS

Research Proposal Summary

An Emerging Tumor Suppressor Pathway in Human Cancer

Fernando D. Camargo, Ph.D., principal member of the Harvard Stem Cell Institute; assistant professor at the Children's Hospital Boston and the Stem Cell Regenerative Biology Department at Harvard University

Modeling Ewing Tumor Initiation in Human Neural Crest Stem Cells

Elizabeth R. Lawlor, M.D., Ph.D, assistant professor in the Departments of Pediatrics at the University of Michigan

Cancer Cell Specific, Self-delivering pro-Drugs

Matthew Levy, Ph.D., assistant professor of biochemistry at Albert Einstein College of Medicine of Yeshiva University

Targeted Inhibition of BCL6 for Leukemia Stem Cell Eradication

Markus Muschen, M.D., director of the Leukemia Research Program at Childrens Hospital Los Angeles and the Leukemia and Lymphoma Program in the University of Southern California Norris Comprehensive Cancer Center; associate professor of pediatrics, biochemistry and molecular biology at the University of Southern California, Keck School of Medicine

Identifying Solid Tumor Kinase Fusions via Exon Capture and 454 Sequencing

William Pao, M.D., Ph.D, associate professor of medicine the Ingram associate professor of cancer research; and assistant director of personalized cancer medicine, Vanderbilt-Ingram Cancer Center/Vanderbilt University

Therapeutically Targeting the Epigenome in Aggressive Pediatric Cancers

Charles M. Roberts, M.D., Ph.D, assistant professor in the Department of Pediatrics at Harvard Medical School; assistant professor of pediatric oncology at the Dana-Farber Cancer Institute

Endogenous Small Molecules that Regulate Signaling Pathways in Cancer Cells

Rajat Rohatgi, M.D., Ph.D, assistant professor in the Department of Medicine and Oncology at the Stanford University School of Medicine

Genetic Approaches for Next Generation of Breast Cancer Tailored Therapies

Jose M. Silva, Ph.D., assistant professor of pathology at the Institute for Cancer Genetics at Columbia University Medical Center

Modulating Transcription Factor Abnormalities in Pediatric Cancer

Kimberly Stegmaier, M.D., assistant professor in the Department of Pediatrics at Harvard Medical School; independent investigator in pediatric oncology at the Dana-Farber Cancer Institute; and attending physician in pediatric hematology-oncology at the Children's Hospital Boston and the Dana-Farber Cancer Institute

Non-invasive Molecular Profiling of Cancer via Tumor-derived Microparticles

Muneesh Tewari, M.D., Ph.D, assistant member in the Divisions of Human Biology, Clinical Research and Public Health Sciences at the Fred Hutchinson Cancer Research Center; assistant professor in the Department of Medicine at the School of Medicine, University of Washington

A Transformative Technology to Capture and Drug New Cancer Targets

Loren D. Walensky, M.D., Ph.D, attending physician and assistant professor of pediatrics in the Department of Pediatric Hematology/Oncology at the Children's Hospital Boston, Dana-Farber Cancer Institute, Harvard Medical School

Functional Oncogene Identification

David M. Weinstock, M.D., assistant professor in the Department of Medicine at Harvard Medical School; assistant professor of medicine in the medical oncology service at Dana-Farber Cancer Institute

Probing EBV-LMP-1's Transmembrane Activation Domain with Synthetic Peptide

Hang (Hubert) Yin, Ph.D., assistant professor of chemistry and biochemistry and task force member of the Colorado Initiative in Molecular Biotechnology at the University of Colorado