New

which can be accessed at cancer.org/research/currently-funded-cancer-research.html.

EDS Accelerator Awards

Todd Aguilera, M.D.
University of Texas Southwestern Medical Center
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University of Texas at Dallas
Customizable hyperbaric oxygen chamber to deliver adjuvant treatments in triple-negative breast cancer models

Carolyn Lee, MD, Ph.D.
Leland Stanford Junior University
A novel topical formulation of pralsetinib for skin cancer prevention

Zachary Lewis, Ph.D.
University of Georgia
DectiSomes: Dectin-targeted anticancer liposomes

Mo Motamedi, Ph.D.
Massachusetts General Hospital
Exploiting epigenetic plasticity to overcome chemotherapy resistance in triple negative breast cancer

Xiaoyang Wu, Ph.D.
University of Chicago
Development of a novel drug delivery platform for cancer chemotherapy

cancer

Kathleen DelGiorno , Ph.D.
Vanderbilt University
Modulating eicosanoid signaling for the prevention and treatment of pancreatic cancer

New American Cancer Society Research Grants

Fall 2024 Awards

Hypoxia induces a state of immunogenic dormancy in cancer cells

Yuchen Qiu, Ph.D.
University of Oklahoma
Development of a deep learning enhanced Fourier ptychography microscopic scanner to improve efficiency for on-site sample adequacy evaluation

Ryan Stowers, Ph.D.
University of California, Santa Barbara
The role of tumor microenvironment mechanics in driving epigenomic remodeling to promote malignant progression and metastasis

Jianjun Wu, Ph.D.
Cleveland Clinic Foundation
T cell intrinsic STING signaling in antitumor immunity

Sihan Wu, Ph.D.
University of Texas Southwestern Medical Center
Unbiased exploration of extrachromosomal DNA damage response pathway in cancer

Nan Zhu, Ph.D.
J. Craig Venter Institute
Targeting SWI/SNF chromatin remodeling subcomplexes in acute myeloid leukemia

Additional information about the Catalyst Award grant mechanism can be found here.

Cancer Health Equity Research Center (CHERC) Awards

Icahn School of Medicine at Mount Sinai
Principal Investigator: Cardinale Smith, M.D.

University of Oklahoma Health Sciences Center
Principal Investigator: Darla Kendzor, Ph.D.

Additional information about the CHERC grant program can be found here.

Clinician Scientist Development Grants (CSDGs) and ACS - ASTRO CSDGs

Zeba Ahmad, Ph.D.
Massachusetts General Hospital
Adaptation and refinement of a psychosocial intervention to reduce post-traumatic stress in young adult cancer survivors

Joal Beane, M.D.
The Ohio State University
Targeting the IWS1/ENAH axis to prevent invasion and metastases of liposarcoma

Danielle Bitterman , M.D.

New American Cancer Society Research Grants

Fall 2024 Awards

ASTRO CSDG
Artificial i

New American Cancer Society Research Grants

Fall 2024 Awards

Pere Puigserver, Ph.D.
Dana-Farber Cancer Institute
Mitochondrial protein immunogenicity and tumor rejection

Rebecca Riggins, Ph.D.
Georgetown University
Dynamic precision medicine for drug resistant HER2+/ER+ breast cancer

Darren Roblyer, Ph.D.
Boston University
Remote patient monitoring of breast cancer treatment using at-home optical imaging

Sarah Sartain, M.D.
Baylor College of Medicine
The role of KLK1 in hematopoietic stem cell transplant-associated thrombotic microangiopathy

Brian Strahl, Ph.D.
University of North Carolina at Chapel Hill
Unlocking the function and histone-interaction landscapes of oncohistones

Alessandro Vindigni, Ph.tones

New American Cancer Society Research Grants

Fall 2024 Awards

New American Cancer Society Research Grants

Fall 2024 Awards

Margarita Dzama, Ph.D.
University of North Carolina at Chapel Hill
Identification of epigenetic therapies for liver cancer a ‘ a' y a' Î^ > :j•4@ a ‘ `a''ëó ñ b • „ða' ¿Qº! ¯ - ñ bY4x ì¥

Jiayi Fan, Ph.D.
Sloan-Kettering Institute for Cancer Research
Mechanistic study of the Smc5/6 SUMO ligase function and auto-sumoylation

Celeste Giansanti , Ph.D.
Vanderbilt University
Functional analyses of PARP-1 mediated ADP-ribosylation during DNA replication

Srikar Gopinath , Ph.D.
Yale University
Understanding the regulatory impact of 5'UTR variants in cancer

Xiaoran Guo, Ph.D.
Leland Stanford Junior University
Reconstruction of human alveoli from purified adult stem cells to study lung adenocarcinoma

Serafima Guseva, Ph.D.
Columbia University Irving Medical Center
Revealing Hoogsteen base pairs in DNA-protein complexes and their role in p53 gene regulation

Barnita Haldar , Ph.D.
University of Alabama at Birmingham
Role of Sialic acid-Siglec axis in pancreatic cancer immune evasion

Carly Harro , Ph.D.
University of Pennsylvania
Targeting epigenetic mediated repression to reverse T cell dysfunction in chronic lymphocytic leukemia CAR T cell therapy

Ian Hertzler , Ph.D.
University of Washington
Investigating the role of physical asymmetry of neural stem cell division in cell fate acquisition and brain development

New American Cancer Society Research Grants

Fall 2024 Awards

Weill Medical College of Cornell University
The role of stromal androgen receptor (AR) in the plasticity to advanced prostate cancer

Berney Peng, Ph.D.
University of California, Los Angeles
Mitochondrial transfer in tumor heterogeneity and acquired resistance to therapy

Roberta Peruzzo, Ph.D.
University of California, Berkeley
Dissecting and disabling oncogenic TFEB signaling in pancreatic cancer

Ariane Rocha Bartolomeu , Ph.D.
Research Institute of Fox Chase Cancer Center
Impact of folic acid supplementation on the induction of colitis-associated colon tumorigenesis

Zachary Rogers, Ph.D.
Massachusetts Institute of Technology
Generating a B progenitor acute lymphoblastic leukemia cell library to study chimeric antigen receptor T cell induced lineage switch

Victor Manuel Ruiz Arroyo, Ph.D.
University of Texas Southwestern Medical Center
Mechanisms of cluC /S 0..8(y)16l() TJ ET 0.00000912 0 612 792 re 120 450.79 Tm 0 g 0 G [(in7(e)5(n)-2(i)11(t)-

New American Cancer Society Research Grants

Fall 2024 Awards

Antibody based therapy for treating triple negative breast cancer

Ezekiel C. Thomas, Ph.D.
University of Michigan

Structure- and biochemistry-guided optimization of microtubule targeting cancer drugs

Tuulia Vallius, M.D., Ph.D.
Harvard Medical School

Improved treatment and diagnostics with spatial profiling in cutaneous melanoma

Janek Walker, Ph.D.
Mayo Clinic, Rochester, MN

Genetic and epigenetic mechanisms derived from deleterious SPEN mutations in aggressive diffuse large B cell lymphoma (DLBCL)

Steven Wall, Ph.D.
Baylor College of Medicine

Exploring the role of mitochondrial respiratory chain formation in promoting chemotherapy resistance in triple negative breast cancer

Anqi Wang, Ph.

New American Cancer Society Research Grants

Fall 2024 Awards

An oncolytic virus expressing fusion-associated small transmembrane (FAST) proteins 10 enhances antitumor immune response to glioblastoma

Wei-Ting Yueh, Ph.D.
Research Institute of Fox Chase Cancer Center

Johns Hopkins University School of Medicine

Tomas Zelenka, Ph.D.
H. Lee Moffitt Cancer Center & Research Institute

Regulation of transcriptional programs in mouse and human tumor infiltrating CD8+ T cells

Meng Zhang, Ph.D.
Leland Stanford Junior University

Cancer ablation with RNA-based immunomodulatory circuits targeting overexpressed oncogenes

Fan Zhao, Ph.D.
Johns Hopkins University School of Medicine

Mechanism of histone H2B monoubiq

New American Cancer Society Research Grants

Fall 2024 Awards

Defining Rac1-mediated bypass of senescence as a molecular vulnerability in pancreatic cancer

Irene Chiolo, Ph.D.
University of Southern California

Chromatin dynamics in heterochromatin repair: insights into cancer biology

Martin Conda Sheridan, Ph.D.
University of Nebraska Medical Center

PSMA-selective theranostic nanoparticles to improve surgical outcomes in prostate cancer

Ani Deshpande, Ph.D.
Sanford Burnham Prebys Medical Discovery Institute

Investigating Chromatin Control of Leukemogenesis

Dannielle Engle, Ph.D.
Salk Institute for Biological Studies

Identification of synergy and therapeutic index in pancreatic cancer

New American Cancer Society Research Grants

Fall 2024 Awards

University of Illinois Urbana-Champaign
Adjuvanting polypeptides for developing potent mRNA vaccines against solid tumors

Jared Weis, Ph.D.
Wake Forest University Health Sciences
Predicting cancer treatment-related cardiotoxicity by imaging cardiac mechanical stiffness

Kerri Winters-Stone, Ph.D.
Oregon Health & Science University
HEALED: Testing a socially-enhanced exercise program on social isolation, loneliness, and mental and physical health in older men with prostate cancer

Beshay Zordoky, M.Sc., Ph.D.
University of Minnesota Twin Cities
Immunosenescence and cardiovascular complications of chemotherapy

Additional information about the Research Scholar Grant mechanism can be found here.

Real-World Data Impact Awards

Ann-Kathrin Eisfeld, M.D.
The Ohio State University
Establishing refined risk stratification for acute myeloid leukemia patients

New

New American Cancer Society Research Grants

Fall 2024 Awards

Massachusetts Institute of Technology
Overcoming therapeutic resistance through cell-specific targeting of the tumor microenvironment with antibody–bottlebrush prodrug conjugates

Roarke Kamber, Ph.D.
University of California, San Francisco
Bolstering effective anti-tumor phagocytosis through high-throughput design of multifunctional chimeric macrophage receptors

Dan Landau, Ph.D.
Weill Medical College of Cornell University
Harnessing innate immunity for next-generation immuno-oncology therapeutics

Mark Leick, M.D.
Massachusetts General Hospital
CAR-T targeted delivery of a VEGF-blocking scFv by mesothelin CAR-T cells to enhance anti-tumor activity in solid tumors

New American Cancer Society Research Grants

Fall 2024 Awards

Edus Warren, M.D.