

**Nebraska Cancer and Smoking  
Disease Research Program**



**Fiscal Year 2020-21 Competitively Awarded Grants**

<b>PRINCIPAL INVESTIGATOR</b>	<b>CAMPUS</b>	<b>PROJECT TITLE</b>
David Anderson, PhD	UNMC	Mapping Visual Pathway Degeneration in Chemotherapy-related Neurotoxicity
Vijaya Bhatt, MBBS	UNMC	ONC 201 Maintenance after Hematopoietic Stem Cell Transplant
Gloria Borgstahl, PhD	UNMC	Mechanisms of Mitoxantrone Action in HR-deficient Cancers
Shannon Buckley, PhD	UNMC	Therapeutic Potential and Role in Lymphoma Transformation of UBR5 Mutations
Jixin Dong, PhD	UNMC	Targeting Protein Kinase R to Overcome Paclitaxel Chemoresistance
Samikshan Dutta, PhD	UNMC	Understanding the Mechanism of Therapy Resistance TP53 Null Prostate Cancer
Jered Garrison, PhD	UNMC	Development of Improved PSMA-targeted Radiotherapeutics for Prostate Cancer
Laura Hansen, PhD	Creighton	Flower-win Dependent Stem-cell Maintenance in Cutaneous Squamous Cell Carcinoma
Robert E. Lewis, PhD	UNMC	Sensitizing NSCLC and CRC Tumor Cells to Targeted Therapeutics
Sidharth Mahapatra, MD, PhD	UNMC	Elucidating the Oncogenic Role of NFIB in Group 3 Medulloblastoma
Ram Mahato, PhD	UNMC	Overcoming Resistance Mechanisms in Hedgehog and Myc-amplified Medulloblastoma
Brian North, PhD	Creighton	Characterizing Upstream Regulators of the Tumor Suppressor Fbw7 for Colon Cancer
A. Angie Rizzino, PhD	UNMC	Medulloblastoma Cell Quiescence: SOX2-MYC Axis
Nicole Shonka, MD	UNMC	Novel Targeting of Glioblastoma (GBM)
Tahir Tahirov, PhD	UNMC	Structural Basis of DNA Polymerase Alpha Resistance to CD435
Nicholas Wood, PhD	UNMC	Delineating the Genetic Determinants of PDAC Subtype Selection and Plasticity