

AUTM Partnering Forum

Oncology and Research Tools Technologies

AUTM Innovation Marketplace

Visit the [AUTM Innovation Marketplace \(AIM\)](#) for more information on university technologies for licensing worldwide. The AUTM Innovation Marketplace (AIM) showcases university technologies that are available for licensing. With more than 19,000 technologies listed to-date, AIM now has more innovations listed than any other portal of its kind.

Technologies represented: Updated on 1/2/2020

Research Reagents				
Type	Technology/Invention Title	Organization	Organization Contact	Patent/IP Status of Technology/Invention
Cell Lines	Ron/R7 cells, generated from murine Ron overexpressing mammary tumors	University of Cincinnati	Melissa Baines	
Cell Lines	Pediatric High-Grade and Diffuse Intrinsic Pottine Gliomas Mouse Model Cell Line(s)	University of Cincinnati	Melissa Baines	
Cell Lines	Hybridoma cell line CTC1 monoclonal antibody C482	University of Cincinnati	Melissa Baines	
Clinical and Diagnostics	A prognostic test for early-stage breast lesions	University of Cincinnati	Tais Doll	Pending
Clinical and Diagnostics	A Non-invasive technique for Detection and Quantification of EGFRvIII in Brain Tumors	University of Cincinnati	Jill Uhl	Issued
Clinical and Diagnostics	Plasma Test to Assess Liver Disease Severity	University of Cincinnati	Tais Doll	Pending
Clinical and Diagnostics	Exosome-associated long non-coding RNA as Circulatory Cancer Biomarkers	University of Cincinnati	Jill Uhl	Pending
Other	Mice and tumor cell model for lymphangiosarcoma	University of Cincinnati	Melissa Baines	

Antibodies	Monoclonal NKG2D Antibodies for the Treatment of Autoimmune and Inflammatory Disorders	<i>Fred Hutch Cancer Research Center</i>	Rachael Stein	Issued and Pending
Antibodies	A human monoclonal antibody that neutralizes EBV infections in both B cells and epithelial cells, and new approaches to developing an EBV vaccine.	<i>Fred Hutch Cancer Research Center</i>	Rachael Stein	Pending
Protein modification analysis	Cleavage Under Targets and Release Using Nuclease (CUT & RUN)	<i>Fred Hutch Cancer Research Center</i>	Rachael Stein	Pending
Synthetic Biology	Multimerized HIV gp120s for Vaccine Development	<i>Fred Hutch Cancer Research Center</i>	Rachael Stein	Issued and Pending
PCR	Codon-Mutant Libraries of Protein-Coding Genes	<i>Fred Hutch Cancer Research Center</i>	Rachael Stein	Issued
Clinical and Diagnostics	Mapping of Viral Epitopes for Therapeutic Antibody and Vaccine Design	<i>Fred Hutch Cancer Research Center</i>	Rachael Stein	Pending
Clinical and Diagnostics	Biomarker panel for the diagnosis and treatment of Bacterial Vaginosis (BV).	<i>Fred Hutch Cancer Research Center</i>	Rachael Stein	Pending
Clinical and Diagnostics	Method for isolating a patient sample and detecting fungal pathogens	<i>Fred Hutch Cancer Research Center</i>	Rachael Stein	Issued
Clinical and Diagnostics	MAIT Cell Immunomodulation for Targeted Treatment of Inflammatory Diseases	<i>Fred Hutch Cancer Research Center</i>	Rachael Stein	Pending
Clinical and Diagnostics	Vaccine Epitopes Elicit Specific Tissue Resident Memory T Cells to Treat HSV-2 Infection	<i>Fred Hutch Cancer Research Center</i>	Rachael Stein	Pending
Clinical and Diagnostics	Regulation of ERp5 as a Therapeutic Target in Autoimmune Diseases	<i>Fred Hutch Cancer Research Center</i>	Rachael Stein	Issued and Pending
Clinical and Diagnostics	Production of Differentially Methylated Minicircle DNA in E. Coli	<i>Fred Hutch Cancer Research Center</i>	Rachael Stein	Pending

Clinical and Diagnostics	Epitope mapping using a combination of phage display high throughput sequencing and deep mutational scanning (DMS-Phage-seq)	<i>Fred Hutch Cancer Research Center</i>	Rachael Stein	Pending
Clinical and Diagnostics	Isolation of HIV infected cells for quantitating HIV reservoir	<i>Fred Hutch Cancer Research Center</i>	Rachael Stein	Pending
Clinical and Diagnostics	Methods for HIV vaccination	<i>Fred Hutch Cancer Research Center</i>	Rachael Stein	Pending
Clinical and Diagnostics	A multimeric decoy to block activation of NKG2D and treat autoimmune and inflammatory diseases, and for use in vaccine development.	<i>Fred Hutch Cancer Research Center</i>	Rachael Stein	Pending
Other	Siderocalin Fusions Improve Protein Production in Clinically Relevant Difficult-to-Express-Proteins	<i>Fred Hutch Cancer Research Center</i>	Rachael Stein	Issued and Pending
Antibodies	Murine monoclonal antibody against TLT-1 for cardiovascular disease research	<i>Puerto Rico Science, Technology and Research Trust</i>	David Gulley	Not Seeking Patent Protection
Antibodies	Metastasis-predicting biomarker	<i>Puerto Rico Science, Technology and Research Trust</i>	David Gulley	Not Yet Disclosed to the TTO
Synthetic Biology	Artificial fused dehydratase enzymes to increase fatty acid production in E Coli	<i>Puerto Rico Science, Technology and Research Trust</i>	David Gulley	Provisional Patent Application Filed
Synthetic Biology	Increased fatty acid production in E. coli using artificial covalently linked Acyl Carrier Proteins (ACPs)	<i>Puerto Rico Science, Technology and Research Trust</i>	David Gulley	Provisional Patent Application Filed
Data analysis and/or visualization	Genomic-driven Mobile App to Guide Antiplatelet Therapy at Clinical Settings	<i>Puerto Rico Science, Technology and Research Trust</i>	David Gulley	Disclosed to the TTO

Chemicals	3 nitrobenzazolo[3,2-a]quinolinium chloride salts (NBQS)	<i>Puerto Rico Science, Technology and Research Trust</i>	David Gulley	Disclosed to the TTO
Chemicals	MBQ-167 Novel compounds and methods for treatment of cancer and hyperproliferative diseases	<i>Puerto Rico Science, Technology and Research Trust</i>	David Gulley	Patented
Chemicals	Low cost, robust and durable lead selenide using aromatics as capping ligands	<i>Puerto Rico Science, Technology and Research Trust</i>	David Gulley	Patented
Clinical and Diagnostics	Immune-based non-invasive diagnostic assay for endometriosis	<i>Puerto Rico Science, Technology and Research Trust</i>	David Gulley	Disclosed to the TTO
Clinical and Diagnostics	CometChip technology for Breast Cancer risk estimation	<i>Puerto Rico Science, Technology and Research Trust</i>	David Gulley	Disclosed to the TTO
Oncology Therapeutics				
Type	Technology/Invention Title	Organization	Organization Contact	Patent/IP Status of Technology/Invention
Small Molecule Therapies	A New Synthetic Antiandrogenic Compound for Therapy Against Prostate Cancer	<i>University of Cincinnati</i>	Jill Uhl	Issued
Small Molecule Therapies	Method of making Doxorubicin prodrug for sustained and controlled release	<i>University of Cincinnati</i>	Tais Doll	Provisional Filing
Small Molecule Therapies	ROS-Activated Compounds as Selective Anti-cancer Therapeutics	<i>University of Cincinnati</i>	Jill Uhl	Issued
Small Molecule Therapies	MA14: A new ROS Activatable Anti-cancer Agent	<i>University of Cincinnati</i>	Jill Uhl	Issued

Small Molecule Therapies	Prolactin Receptor Targeting by Small Molecule Antagonists for the Treatment of Breast Cancer, Nociceptive Pain and Migraine Headache	University of Cincinnati	Jill Uhl	Pending
Small Molecule Therapies	Prostaglandin E2 Receptor EP2 as a Therapeutic Target for Gliomas	University of Cincinnati	Jill Uhl	Pending
Small Molecule Therapies	Identification of PCNA Targeting Compounds for Cancer Therapy and PCNA Function Regulation	University of Cincinnati	Jill Uhl	Issued
Genetic-based Therapies	Development of FLT3L-guided, miR150-based nanoparticles for targeted therapy	University of Cincinnati	Tais Doll	Pending
Genetic-based Therapies	miR-22-based therapeutics targeting acute myeloid leukemia	University of Cincinnati	Tais Doll	Issued
Biologic-based Therapies	Monoclonal Antibody Specific for Human asTF Protein that Inhibits Proliferation of asTF-expressing Cancer Cells	University of Cincinnati	Jill Uhl	Issued
Peptide-based Therapies	Selective Tri- and Tetrapeptide Agonists of the Melanocortin 1 Receptor	University of Cincinnati	Jill Uhl	Issued
Other	Undecylenic Acid-based Drug Delivery System	University of Cincinnati	Jill Uhl	Pending
Other	Development of R-2HG-based Therapeutic Strategies Targeting Cancers	University of Cincinnati	Jill Uhl	Pending
Peptide-based Therapies	Therapeutic for ovarian cancer that targets NKG2D ligands and prevents binding and stimulating the NKG2D receptor.	Fred Hutch Cancer Research Center	Rachael Stein	Issued and Pending
Peptide-based Therapies	Novel Treatment for Neuropathies and Neurodegeneration	Fred Hutch Cancer Research Center	Rachael Stein	Pending
Other	Theranostic Biomimetic Chelating Platform for Delivery of Radionuclides	Fred Hutch Cancer	Rachael Stein	Pending

		<i>Research Center</i>		
Small Molecule Therapies	Improved derivatives of Ganoderma lucidum compounds	<i>Puerto Rico Science, Technology and Research Trust</i>	David Gulley	Provisional Patent Application Filed
Small Molecule Therapies	EHop-016 A novel small molecule that inhibits Metastatic Breast Cancer	<i>Puerto Rico Science, Technology and Research Trust</i>	David Gulley	Patented
Small Molecule Therapies	Novel Carbazole EHop-016 Derivatives as anti-cancer and-migratory agents	<i>Puerto Rico Science, Technology and Research Trust</i>	David Gulley	
Genetic-based Therapies	Liposomal-Gold-Nanoparticles to target MicroRNAs in Glioblastoma	<i>Puerto Rico Science, Technology and Research Trust</i>	David Gulley	Disclosed to the TTO
Other	Novel peroxide probes to study mitochondrial biology	<i>Puerto Rico Science, Technology and Research Trust</i>	David Gulley	Disclosed to the TTO