

<u>PI:</u>	
<u>Person Completing Form:</u>	
<u>MTA#</u>	
<u>Date:</u>	

NCI Patient-Derived Models Repository (PDMR) Annual Report

INSTRUCTIONS: Please fill in the information for **Q1-3** regarding usage of requested PDMR research materials irrespective of the type of material you received (e.g., cell lines vs DNA). Complete **Q4** and **TABLES 1-3** at the end of this report based on the type of material you received. Duplicate table(s) if needed for additional models. Do not duplicate data provided in a previous Annual Report unless it is needed to create a more complete picture of project progress.

1. Please list abstracts/presentations/posters/publications (accepted or submitted) which includes data generated from PDMR research material. Please note, the full PDMR Model ID (**123456-001-X**) should be used in all publications.

2. Study progress. NOTE: These data will be held on a CONFIDENTIAL basis per the MTA. As a reminder the Annual Report should include data such as: "...short tandem repeat profiles (assessment of model stability), NextGen sequence files (e.g., FASTQ, vcf, TPM), model drug resistance or sensitivity, array data, metabolomics profiles, and pharmacodynamic profiles."

Project Title: _____

3. Do you have any additional questions, concerns, and/or feedback?

4. For Viably Cryopreserved PDX fragments and/or Cell-line Xenograft (CLX) generation from 3D/2D cultures: After banking sufficient cryopreserved vials to rederive the model, have you attempted to grow the Research Material in alternative sites (e.g, orthotopically) or in other mouse strains? If yes, please list the strain(s), site of implantation, and whether successful. Any additional information (e.g., growth characteristics, morbidity, pathology, IHC, etc) would be appreciated.

TABLE 1: Viable Cryopreserved PDX fragments: initial implantation into NOD-SCID gamma IL2 receptor null (NSG) mice

PDMR Model ID	Initial implant date	Tumor Take Rate (1st in house passage) e.g., 2 of 5 mice	Days to 1000mm ³ (1st in house passage)	Pathology	Short Tandem Repeat (STR) Validation
				<input type="checkbox"/> Consistent <input type="checkbox"/> Not Consistent <input type="checkbox"/> Not Assessed	<input type="checkbox"/> 100% Match to PDMR profile <input type="checkbox"/> Does not match to PDMR profiles (please provide a copy of the profile) <input type="checkbox"/> Not Assessed
				<input type="checkbox"/> Consistent <input type="checkbox"/> Not Consistent <input type="checkbox"/> Not Assessed	<input type="checkbox"/> 100% Match to PDMR profile <input type="checkbox"/> Does not match to PDMR profiles (please provide a copy of the profile) <input type="checkbox"/> Not Assessed
				<input type="checkbox"/> Consistent <input type="checkbox"/> Not Consistent <input type="checkbox"/> Not Assessed	<input type="checkbox"/> 100% Match to PDMR profile <input type="checkbox"/> Does not match to PDMR profiles (please provide a copy of the profile) <input type="checkbox"/> Not Assessed
				<input type="checkbox"/> Consistent <input type="checkbox"/> Not Consistent <input type="checkbox"/> Not Assessed	<input type="checkbox"/> 100% Match to PDMR profile <input type="checkbox"/> Does not match to PDMR profiles (please provide a copy of the profile) <input type="checkbox"/> Not Assessed
				<input type="checkbox"/> Consistent <input type="checkbox"/> Not Consistent <input type="checkbox"/> Not Assessed	<input type="checkbox"/> 100% Match to PDMR profile <input type="checkbox"/> Does not match to PDMR profiles (please provide a copy of the profile) <input type="checkbox"/> Not Assessed
				<input type="checkbox"/> Consistent <input type="checkbox"/> Not Consistent <input type="checkbox"/> Not Assessed	<input type="checkbox"/> 100% Match to PDMR profile <input type="checkbox"/> Does not match to PDMR profiles (please provide a copy of the profile) <input type="checkbox"/> Not Assessed

TABLE 2: PDX Flash-Frozen/DNA/RNA

PDMR Model ID	Fraction Type	Samples Used For	Sufficient Amount of Material Provided	Quality Concerns of Material
	<input type="checkbox"/> FF <input type="checkbox"/> DNA <input type="checkbox"/> RNA	<input type="checkbox"/> Protein Analysis (Western blot, Metabolomics, Mass Spec, etc) <input type="checkbox"/> Gene Expression (RNA-Seq, qPCR, etc) <input type="checkbox"/> Other: _____ <input type="checkbox"/> Not Used	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> No <input type="checkbox"/> Yes: _____
	<input type="checkbox"/> FF <input type="checkbox"/> DNA <input type="checkbox"/> RNA	<input type="checkbox"/> Protein Analysis (Western blot, Metabolomics, Mass Spec, etc) <input type="checkbox"/> Gene Expression (RNA-Seq, qPCR, etc) <input type="checkbox"/> Other: _____ <input type="checkbox"/> Not Used	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> No <input type="checkbox"/> Yes: _____
	<input type="checkbox"/> FF <input type="checkbox"/> DNA <input type="checkbox"/> RNA	<input type="checkbox"/> Protein Analysis (Western blot, Metabolomics, Mass Spec, etc) <input type="checkbox"/> Gene Expression (RNA-Seq, qPCR, etc) <input type="checkbox"/> Other: _____ <input type="checkbox"/> Not Used	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> No <input type="checkbox"/> Yes: _____
	<input type="checkbox"/> FF <input type="checkbox"/> DNA <input type="checkbox"/> RNA	<input type="checkbox"/> Protein Analysis (Western blot, Metabolomics, Mass Spec, etc) <input type="checkbox"/> Gene Expression (RNA-Seq, qPCR, etc) <input type="checkbox"/> Other: _____ <input type="checkbox"/> Not Used	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> No <input type="checkbox"/> Yes: _____
	<input type="checkbox"/> FF <input type="checkbox"/> DNA <input type="checkbox"/> RNA	<input type="checkbox"/> Protein Analysis (Western blot, Metabolomics, Mass Spec, etc) <input type="checkbox"/> Gene Expression (RNA-Seq, qPCR, etc) <input type="checkbox"/> Other: _____ <input type="checkbox"/> Not Used	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> No <input type="checkbox"/> Yes: _____
	<input type="checkbox"/> FF <input type="checkbox"/> DNA <input type="checkbox"/> RNA	<input type="checkbox"/> Protein Analysis (Western blot, Metabolomics, Mass Spec, etc) <input type="checkbox"/> Gene Expression (RNA-Seq, qPCR, etc) <input type="checkbox"/> Other: _____ <input type="checkbox"/> Not Used	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> No <input type="checkbox"/> Yes: _____

TABLE 3: PDORg (3D) and PDC/CAF (2D) In Vitro Cultures

PDMR Model ID	Growth Successful	Transitioned to Alternative Media	Short Tandem Repeat (STR) Validation	CLX Xenograft in NSG Mice Attempted	Site of Implantation	Days to 1000mm ³	Pathology
	<input type="checkbox"/> Yes, Max passage _____ <input type="checkbox"/> No <input type="checkbox"/> Not attempted	<input type="checkbox"/> No <input type="checkbox"/> Yes: Media _____	<input type="checkbox"/> 100% Match to PDMR profile <input type="checkbox"/> Does not match to PDMR profiles (please provide a copy of the profile) <input type="checkbox"/> Not Assessed	<input type="checkbox"/> Yes <input type="checkbox"/> No			<input type="checkbox"/> Consistent <input type="checkbox"/> Not Consistent <input type="checkbox"/> Not Assessed
	<input type="checkbox"/> Yes, Max passage _____ <input type="checkbox"/> No <input type="checkbox"/> Not attempted	<input type="checkbox"/> No <input type="checkbox"/> Yes: Media _____	<input type="checkbox"/> 100% Match to PDMR profile <input type="checkbox"/> Does not match to PDMR profiles (please provide a copy of the profile) <input type="checkbox"/> Not Assessed	<input type="checkbox"/> Yes <input type="checkbox"/> No			<input type="checkbox"/> Consistent <input type="checkbox"/> Not Consistent <input type="checkbox"/> Not Assessed
	<input type="checkbox"/> Yes, Max passage _____ <input type="checkbox"/> No <input type="checkbox"/> Not attempted	<input type="checkbox"/> No <input type="checkbox"/> Yes: Media _____	<input type="checkbox"/> 100% Match to PDMR profile <input type="checkbox"/> Does not match to PDMR profiles (please provide a copy of the profile) <input type="checkbox"/> Not Assessed	<input type="checkbox"/> Yes <input type="checkbox"/> No			<input type="checkbox"/> Consistent <input type="checkbox"/> Not Consistent <input type="checkbox"/> Not Assessed
	<input type="checkbox"/> Yes, Max passage _____ <input type="checkbox"/> No <input type="checkbox"/> Not attempted	<input type="checkbox"/> No <input type="checkbox"/> Yes: Media _____	<input type="checkbox"/> 100% Match to PDMR profile <input type="checkbox"/> Does not match to PDMR profiles (please provide a copy of the profile) <input type="checkbox"/> Not Assessed	<input type="checkbox"/> Yes <input type="checkbox"/> No			<input type="checkbox"/> Consistent <input type="checkbox"/> Not Consistent <input type="checkbox"/> Not Assessed
	<input type="checkbox"/> Yes, Max passage _____ <input type="checkbox"/> No <input type="checkbox"/> Not attempted	<input type="checkbox"/> No <input type="checkbox"/> Yes: Media _____	<input type="checkbox"/> 100% Match to PDMR profile <input type="checkbox"/> Does not match to PDMR profiles (please provide a copy of the profile) <input type="checkbox"/> Not Assessed	<input type="checkbox"/> Yes <input type="checkbox"/> No			<input type="checkbox"/> Consistent <input type="checkbox"/> Not Consistent <input type="checkbox"/> Not Assessed