



# MESOTHELIOMA UK

Supporting People With This Asbestos Cancer

## Progress Report

Name of study:	Genomics of Peritoneal Malignancy including rare forms of Mesothelioma
Name of Principle Investigator (PI):	Sarah Ennis
Have the PI or any key researchers changed since the last progress report / commencement?	No
Please give details of above and new contact information if applicable:	NA
Please give a summary of the activity so far:	<ul style="list-style-type: none"><li>• Met with Peritoneal Malignancy Institute Basingstoke and organised access to stored archival samples</li><li>• Worked with Pathologists at PMIB to:<ul style="list-style-type: none"><li>○ Update database registry with all sample details</li><li>○ Optimise sample selection to include all priority forms of peritoneal mesothelioma</li></ul></li><li>• Worked with Molecular Pathology lab to conduct trial DNA extractions from FFPE samples - successfully extracted good quality DNA and established protocol for all other samples</li><li>• Worked with local service provider to develop Cancer hotspot target capture enrichment kit – this has expanded to include key mesothelioma genes that were not captured by the off the shelf kit (this was noted as a possible deficiency of our approach by one reviewer which we are pleased to report we have now addressed at no additional cost to the grant)</li></ul>



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	<ul style="list-style-type: none"> <li>• All contracts and associated administration for the Mesothelioma UK and PMIB support of this project has been executed.</li> <li>• Case study report provided for Meso UK Research Strategy 2020-2023</li> <li>• Extraction of DNA from all solid samples</li> <li>• Target capture optimised and validated</li> <li>• Sequencing platform selected and optimised for custom targeted capture library</li> </ul> <p><b>DNA LABORATORIES AND WISH LAB ACTIVITY SUSPENDED MARCH 2020 DUE TO COVID CRISIS. ALL WET LAB ACTIVITY AND SO PROJECT PROGRESS HALTED PENDING RESUMPTION OF NORMAL LABORATORY ACTIVITY</b></p> <ul style="list-style-type: none"> <li>• Next steps:             <ul style="list-style-type: none"> <li>○ DNA extraction from Fresh Frozen samples</li> <li>○ Schedule targeted sequencing First quarter post COVID</li> <li>○ Data Analysis 2 quarters post COVID</li> </ul> </li> <li>• Final reporting/manuscript preparation 6 months post COVID crisis</li> </ul>
<p>Have there been any major changes to the direction of the study?</p>	<p>No</p>
<p>Have there been any major deviations from the budget? Please attached a spending report to this document.</p>	<p>No</p>
<p>What are the key successes so far:</p>	<p>Accessed samples</p> <p>Good quality DNA extraction in pilot samples</p> <p>Completion of sample descriptors/phenotyping</p> <p>Identification of optimal samples</p> <p>Additional of key mesothelioma genes to target capture</p> <p>DNA extraction for solid (FFPE) samples successful</p> <p>Custom Target capture panel fully designed and optimised to capture all Cancer Hotspots AND whole gene regions for 6 additional genes of specific interest for peritoneal malignancies.</p>



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<p>Have there been any publications from the study? If yes, give details.</p>	<p>Not yet – expected post analysis</p>
<p>Has the study deviated from the original timeline? If yes, give details.</p>	<p>YES.</p> <p><b>DNA LABORATORIES AND WISH LAB ACTIVITY SUSPENDED MARCH 2020 DUE TO COVID CRISIS. ALL WET LAB ACTIVITY AND SO PROJECT PROGRESS HALTED PENDING RESUMPTION OF NORMAL LABORATORY ACTIVITY</b></p> <p>Therefore, it is necessary for us to request a no cost extension. We are unable to confirm the time at which wet laboratories will be reopened to (non-COVID related) research. This project activity will resume as soon as is reasonably possible after that date.</p>