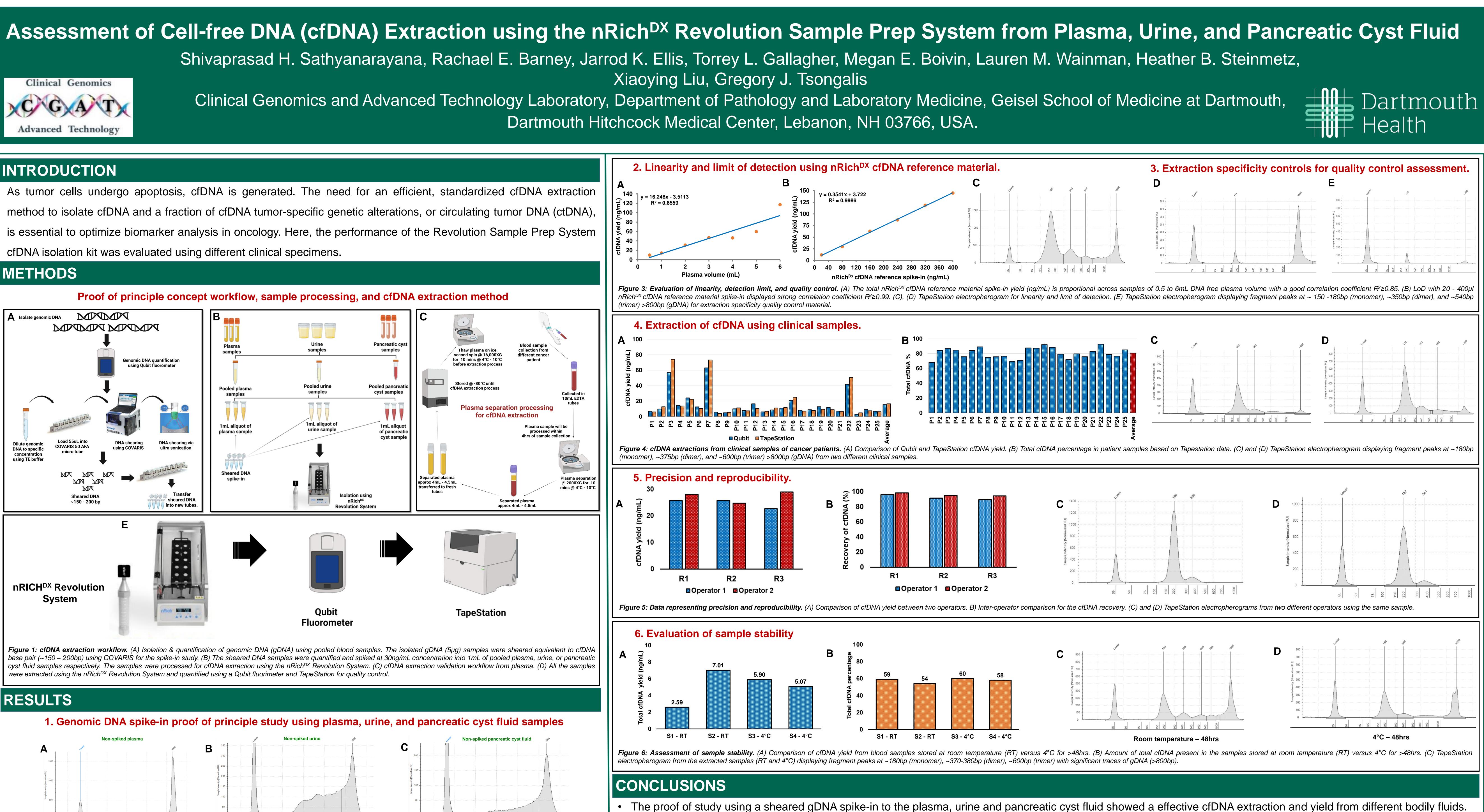


## INTRODUCTION

cfDNA isolation kit was evaluated using different clinical specimens.

## METHODS



# RESULTS

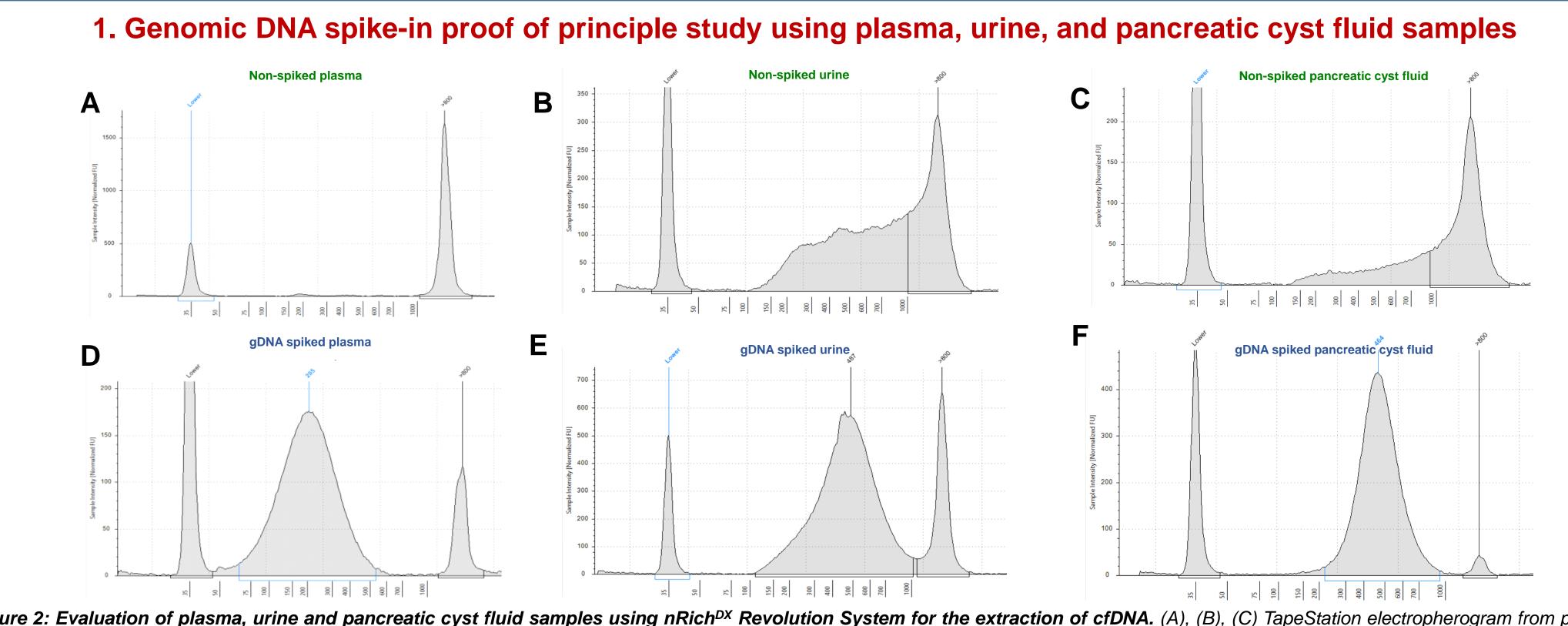


Figure 2: Evaluation of plasma, urine and pancreatic cyst fluid samples using nRich<sup>DX</sup> Revolution System for the extraction of cfDNA. (A), (B), (C) TapeStation electropherogram from plasma, urine and pancreatic cyst fluid samples (non spiked). (D), (E), (F) gDNA spiked into plasma, urine and pancreatic cyst fluid samples displaying fragment peaks at 295bp, 487bp and 464bp respectively after cfDNA extraction using nRich<sup>DX</sup> and cfDNA ScreenTape quantification.

Acknowledgment: Authors would like to thank Sarah B Spracklin, Genomic Technologist, for helping with nRich<sup>DX</sup> cfDNA extractions.

• Linearity and LoD data showed a good correlation and cfDNA extraction from the patient samples displayed an average yield of 16ng/ml cfDNA and presence of 80% total cfDNA. Intra-operator data showed a good correlation between cfDNA yield and its recovery.

Sample stability demonstrated variability in cfDNA yield at room temperature compared to 4°C. Based on the TapeStation data the average total cfDNA presence was around 57% present in these samples (RT and 4°C).

• This study demonstrates the feasibility of cfDNA extraction from different bodily fluids (plasma, urine and pancreatic cyst fluid) using the nRich<sup>DX</sup> Revolution System. • The development of reliable and non-invasive tests using different bodily fluids holds great promise for early detection and improved outcomes in different cancer types.