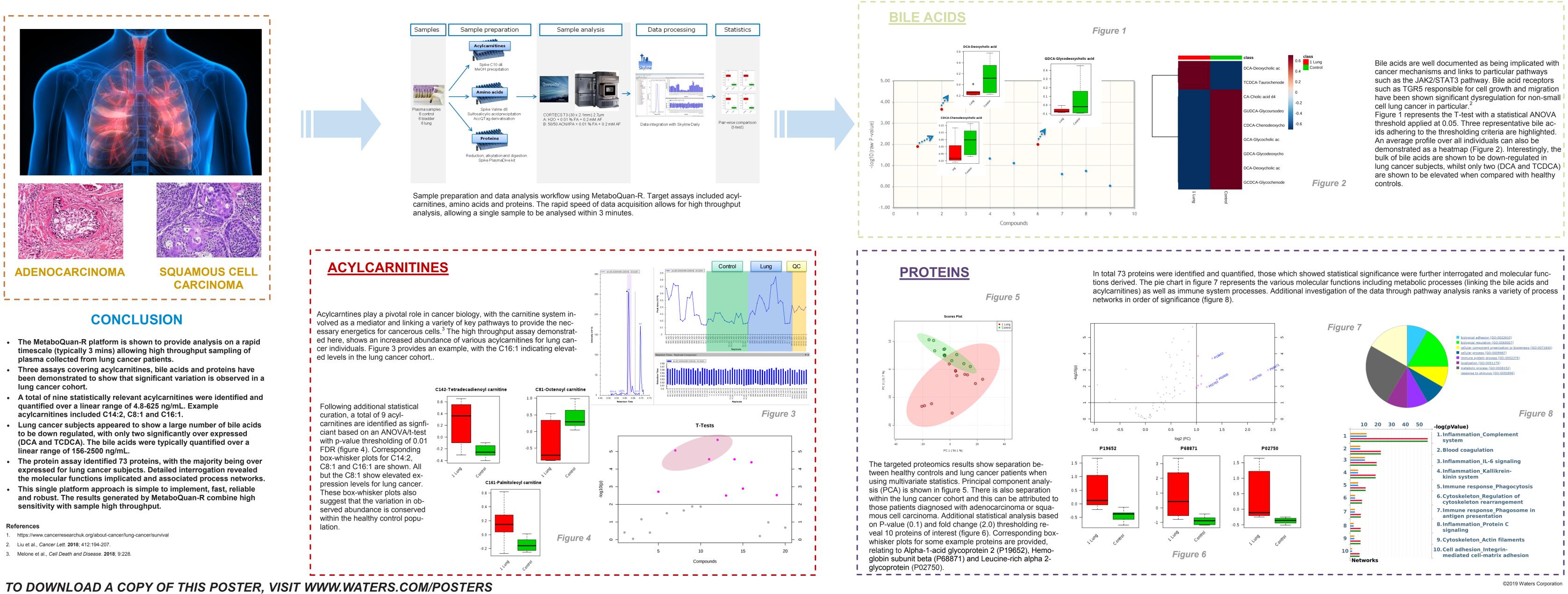
CHARACTERIZING LUNG CANCER USING A HIGH THROUGHPUT METABOLOMICS SCREEN

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Lung cancer is one of the most common and serious forms of cancer, with over 44,000 individuals being diagnosed with the condition every year in the UK, with lifestyle factors such as smoking playing a major attributor to developing the ability to understand the underlying mechanisms of the disease is a crucial step in detecting the condition at early onset and therefore improving survival rates. Previous studies have to be created as 'bespoke' assays, which require significant optimisation, making multiple assays difficult. In this study, we introduce a methodology (MetaboQuan-R) which uses a single platform approach that is capable of measuring multiple assays on a rapid timescale that account for both small molecule and protein assays from the plasma of patients diagnosed with lung cancer.



INTRODUCTION