## TARGETED MULTI-OMICS: RAPID PLASMA PROFILING OF A BLADDER AND LUNG CANCER HUMAN COHORT

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Cancer is one of the most complex, life threatening diseases, existing in many forms which have unknown to contribute towards both a smoking are known to contribute towards both lung and bladder cancer, with lung cancer providing over 230,000 diagnosed cases in the United States annually. The exact mechanism as to how these carcinomas develop during various stages is still not well understood. Here, we describe a multi-omic approach to reveal molecular factors that may be involved in these biomolecular processes. Combining lipidomic, metabolomic and proteomic approaches have helped to identify multi-factorial disease associated components and their related pathways.



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## **INTRODUCTION**