

## HUMAN GENETICS &amp; GENETIC DISEASES

## MOLECULAR MEDICINE &amp; DIAGNOSTICS

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**Detecting sensitivity of cancer to drugs through SIFT-MS****Feras Abdullah Alrakaf**

Al-Imam Mohammad Ibn Saud Islamic University, Saudi Arabia

Human breath is composed of different substance that are capable of wasting away, or of easily passing into the aeriiform state. These substances are called volatiles: Some volatiles are produces ate higher concentrations as a result of a disease. Therefore, we can use volatiles as biomarkers of certain diseases. The Selected Ion Flow Tube Mass Spectrometry (SIFT-MS) can measure volatiles in breath of cancer patients with the potential of screening and diagnosis early stages of disease, and assess tumor response to treatment.

**Biography**

Feras Abdullah Alrakaf is currently a Medical student at Al-Imam Mohammad Ibn Saud Islamic University, KSA. His passion for helping people and learning about the human body is what initially got him interested in medicine. Later on, he was getting more interested in molecular studies either on cells or genes. He went on a summer research program with Keele University, where he worked on a research.

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