Could we treat patients with cancer, not cancer with patients?

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WHAT WE KNOW

CANCER
• UNSTOPPABLE GROWTH OF ABNORMAL CELLS WHICH INVADE SURROUNDING TISSUES AND SPREAD AROUND BY LYMPH (LOCAL AND REGIONAL LYMPH NODES) AND BY BLOOD (DISTANT METASTASES)

MEDICINE OPTIONS
• KILL CANCER CELLS – IMPOSSIBLE W/O DAMAGING NORMAL TISSUE
• STOP THE GROWTH – POSSIBLY AFFECTING SPECIFIC CANCER CELLS METABOLISM
• DRUGS, RADIATION, IMMUNOLOGY

TARGETING CELL METABOLISM

HOW TO HELP BOTH?
USE BASIC KNOWLEDGE OF CANCER AND MEDICINE

HEALTHY PEOPLE – SOME HAVE CANCERS
HELP SINGLE PATIENTS

HOW TO MEASURE EFFICACY/TOXICITY

NEW THERAPEUTICALS FOR CANCER

CONCLUSION
• ANALYTICAL CHEMISTRY IS AN UNLIMITED SOURCE FOR PRODUCTION OF SMALL MOLECULES
• MOLECULAR ACTIVATION OR INHIBITING THESE KINETICS SHOULD BE CONSIDERED FOR DEVELOPMENT AS POTENTIAL NEW ANTICANCER DRUGS

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