

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

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

HEALTHY PEOPLE – SOME HAVE CANCERS

HELP SINGLE 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

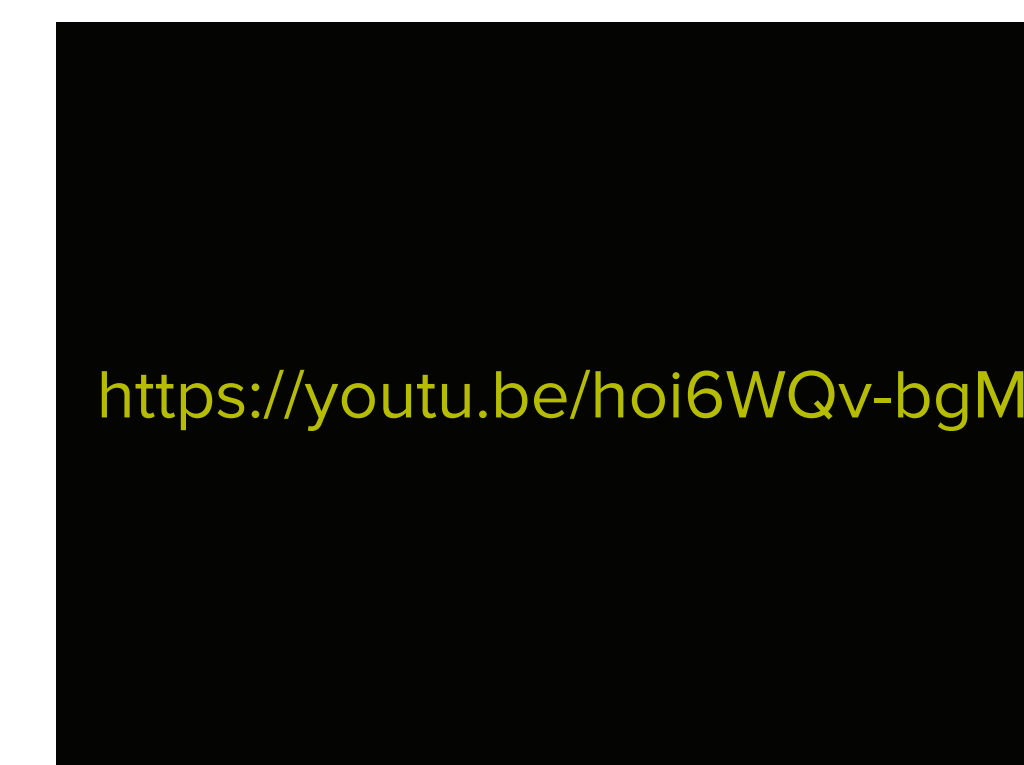
- KILL CANCER CELLS – IMPOSSIBLE W/O DAMAGING NORMAL TISSUE
- STOP THE GROWTH – POSSIBLY AFFECTING SPECIFIC CANCER CELLS METABOLISM
- DRUGS, RADIATION, IMMUNOLOGY

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## TARGETING CELL METABOLISM



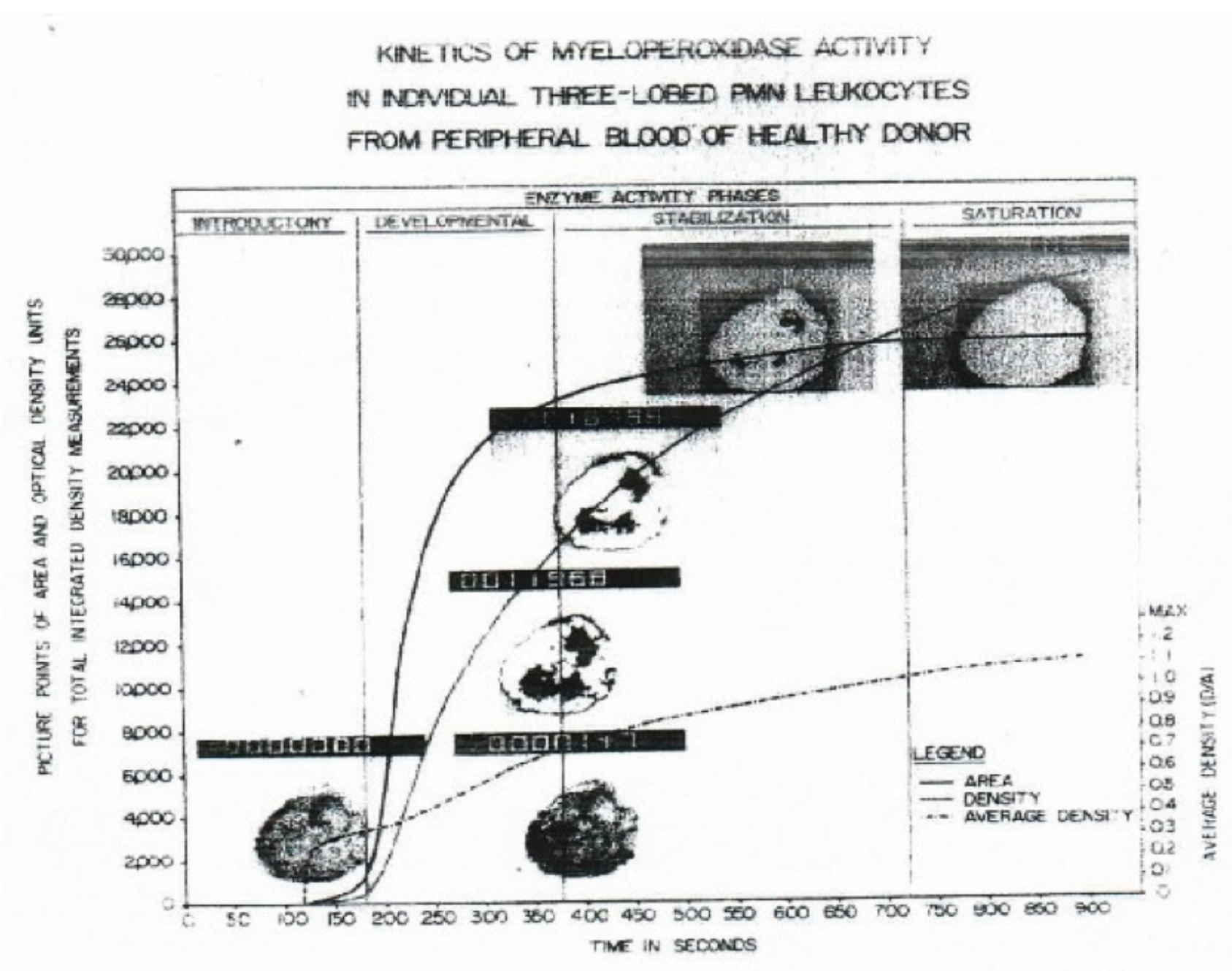
BIOSCICON'S MARKPAP® ASSAY, KODAK CAMERA, ULTRAPHOT ZEISS MICROSCOPE

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## HOW TO MEASURE EFFICACY/ TOXICITY



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## 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

### CONTACTS

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