Non-Confidential Technology Disclosure

Title
Centrosome defects in precancerous lesions as tools for tumor diagnostics, prognostics and treatment.

Investigator
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Description
The invention is based on the discovery that centrosomal abnormalities in cells correlate with a future occurrence of cancer. The greater the degree of defects, the greater the probability of cancer and the greater its severity.

Application
This technology can be used to:

- Predict tumor development by examining a microtubule organizing center (centrosome) of a cell from an in situ lesion.
- Predict aggressiveness of cancer in a patient by examining a centrosome from a pre-cancerous lesion.

Advantage
Enhancing patient survival through three avenues -

- Diagnostic: Stage-specific markers for tumor development. This enables more efficient and accurate cancer detection.

- Prognostic: Very early potential markers for tumor development and aggressiveness. This can allow for earlier and more accurate treatment protocol.

- Therapeutic: potential targets for cancer therapy by altering/stabilizing centrosome function.

Publication
Cancer Research 63, 1398-1404, 2003

Patent Status
US Patent Pending

Licensing Status
Available to license

Docket
UMMC 02-33

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