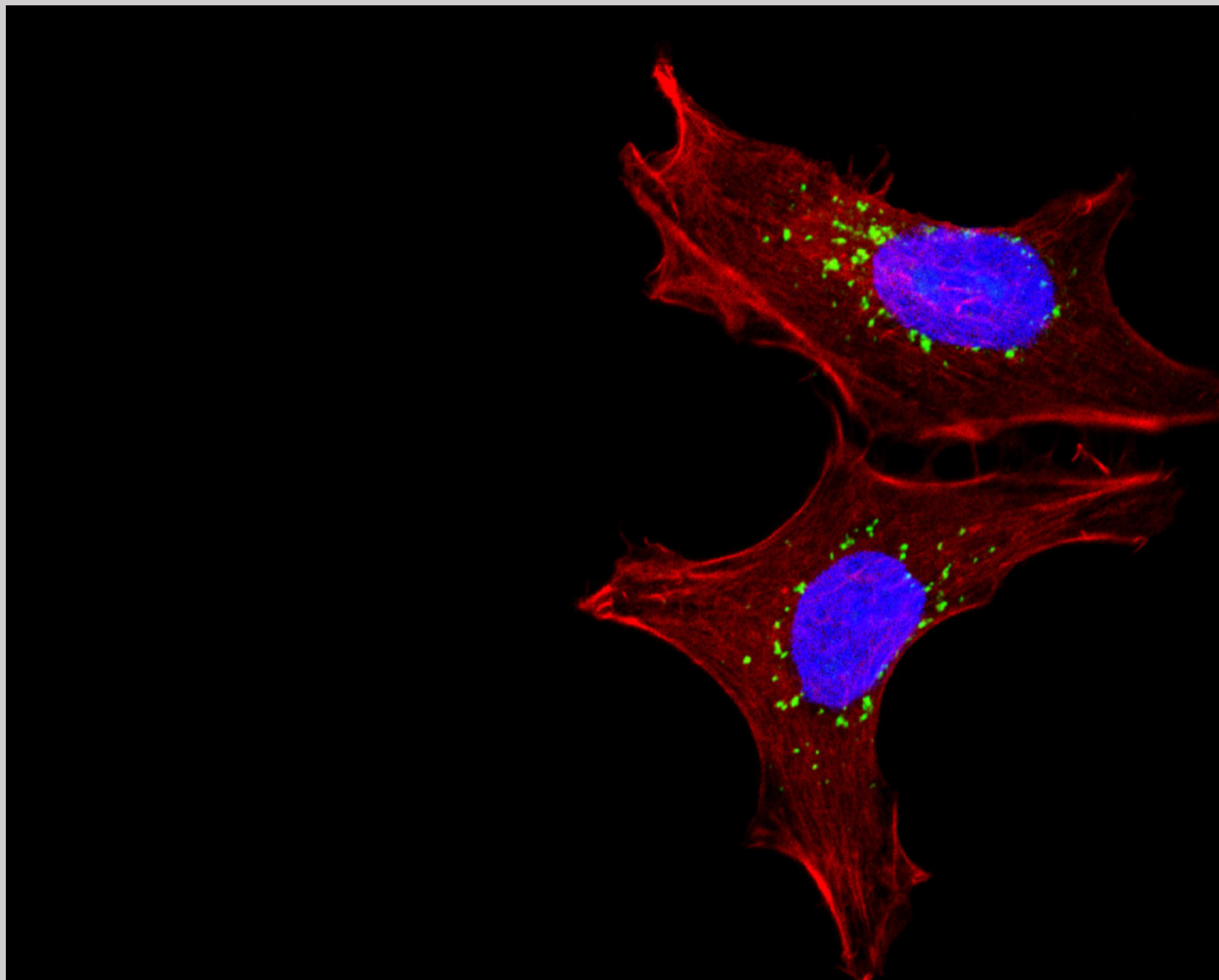


Aim

To establish how changes in the dynamics of cellular membranes contribute to cancer development



NUTRIENT UPTAKE

Macro-pinocytosis

GENOMIC INSTABILITY

MUTATED DNA

Nuclear envelope sealing

Micronucleus

Daughter cell separation

ABERRANT SIGNALING

Endocytosis
Receptor downregulation

AUTOPHAGOSOME (forming)

ENDOSOME

LYSOSOME

NUCLEUS

CANCER METABOLISM

Autophagy
Lysosome repair

INVASION & METASTASIS

Protrusion outgrowth

AUTO-LYSOSOME



Membrane dynamics:
budding, fission, fusion & remodeling



Essential actions
& control