Work Plan 1

Duration: 12 months

**Activity:** Determination of landscape potential.
**Duration:** 1st to 3rd months

**Activity:** Characterization of the attraction basins corresponding to the luminal, HER+ and triple negative subtypes.
**Duration:** 4th month

**Activity:** Characterization of the potential landscape for determining key genes for the transition between attraction basins.
**Duration:** 5th month

**Activity:** Characterization of transition trajectories between basins.
**Duration:** 6th month

**Activity:** Use of global sensitivity analysis of the topography of the epigenetic landscape to determine the key interactions for the transition between basins of attraction.
**Duration:** 7th and 8th months

**Activity:** Generate stochastic simulations to characterize transition probabilities between attraction basins.
**Duration:** 9th month

**Activity:** Validate the results with well-established behaviors in the literature.
**Duration:** 10th and 12th months

**Activity:** Production of an article for publication in a high-impact interdisciplinary journal.
**Duration:** 10th and 12th months