EONS Search Programs - Scientific Motivation

DIRECT imaging of sub-stellar companions (brown dwarfs and giant planets) and circumstellar (protoplanetary) dust disks around stars in the solar neighborhood.

Is there a continuity of objects across the sub-stellar mass spectrum bridging the main sequence to planetary objects?

At what distances will such objects be found from their primaries? How might this be biased by the characteristcs of their primaries or companion objects?

What implications will these discoveries have for our understanding of stellar/planetary formation mechanisms?