

**TECHNOLOGY**

Angular Resolution: Interferometry

Angular Resolution and Collecting Area: Large Space Telescopes

Contrast Stability: Ultrastable Structures

Detection Sensitivity: Advanced Detectors

Starlight Suppression: Starshades

Starlight Suppression: Coronagraphs

**MISSIONS**



Hubble



Spitzer



Kepler



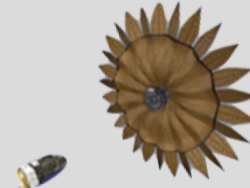
TESS



JWST



WFIRST

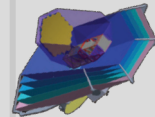


Starshade Rendezvous

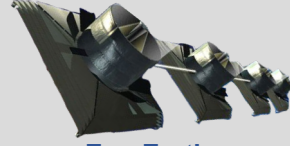


LUVOIR

HabEx



Origins



Exo-Earth Interferometer

**TODAY**

**2020s**

**2025s**

**2030s**

**2035 and beyond**

**SCIENCE**

Exoplanetary Atmospheres  
Hot Jupiters

Exoplanet Abundance

Nearest Transiting Planets

Atmospheric Chemistry

Direct Imaging  
Exozodiacal Dust  
Exoplanet Diversity

Habitable Exo-Earth Discovery

Exo-Earth Biosignatures  
Habitable Exo-Earth Abundance

M-Dwarf Rocky Planet Biosignatures  
Cool Gas Giants

Life Verification

Possible Pending Decadal Survey