Roman ROSES: Three Opportunities

- **Wide Field Instrument Science**
  - This opportunity provides support to prepare for and enhance the science return of *Roman* that can be addressed with its Wide Field Instrument (WFI).
    - Multiple calls between now and launch
    - Regular (2-year) and Large (4-year) categories

- **WFI Project Infrastructure Teams**
  - This opportunity provides sustained funding for teams to develop infrastructure needed to enable the community to pursue *Roman*'s ambitious science goals in cosmology and exoplanet demographics that are part of Roman's mission success criteria.
    - Additional science areas that require extensive and sustained infrastructure development will also be considered.

- **Coronagraph Community Participation Program (CPP)**
  - This provides an opportunity for proposers to work with the coronagraph instrument team to plan and execute its technology demonstration observations.
    - Multiple calls between now and launch

What's different from the SITS?

- **Larger number of small teams/individuals, many on short term (2-year) awards**
  - Greater turnover, more flexibility to adjust science team to evolving science landscape and project needs
  - Multiple opportunities for new people to join
- **WFI Project Infrastructure teams have long term baseline (continue through to end of prime phase)**
  - Provide continuity
- **Strong emphasis on science community coordination that is independent of the individual science teams**
  - Community Science Consortia
  - Reset structure of joint working groups (keeping the ones that work well)
- **Undergrad supplement for WFS**
- **ROSES solicitation in ~2 years**
  - Additional CPP and WFS opportunities
- **CGI SIT replaced by CPP**
  - Group of ~6 individuals/small teams who work together
- **FSWG replaced by ISWG**
  - PIT PIs, selected WFS reps, ex-officio and additional appointed members as needed

- ***Preparing for and enhancing* Roman *WFI Science***
  - Can include, but are not limited to, any combination of the following topics:
    - Precursor observations using ground- and/or space-based observatories to prepare for future *Roman* science observations and/or to provide calibration capability;
    - Development of *Roman* analysis software beyond that provided by the Science Centers. This could include topics like machine learning techniques in time domain astrophysics, high precision astrometric measurement techniques, etc.;
    - Development of algorithms for joint processing with data from other space- or ground-based observatories such as deblending algorithms, photometric redshift training and calibration, or forced photometry;
    - Theoretical and/or phenomenological modeling directly related to Roman capabilities;
    - Instrument calibration and characterization;
    - Development of survey strategies;
    - Development of simulation tools, producing simulated datasets, and conducting or participating in data challenges.
- ***Supporting the* Roman *project and Science Centers***
  - WFS supported teams are expected to form part of the funded Roman science community providing support and guidance to the Roman project and science centers.