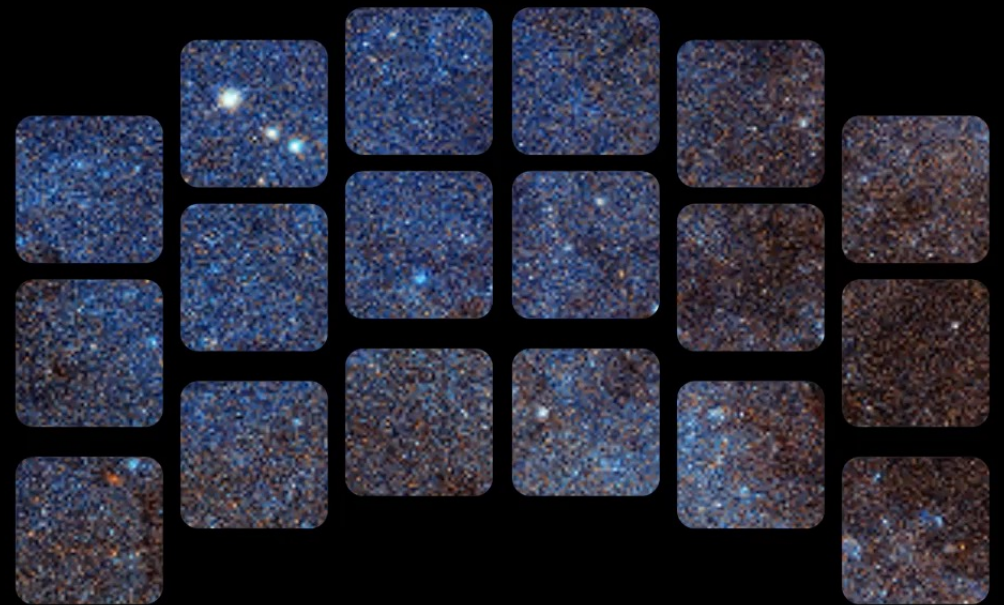


R.ÖMAN



SPACE TELESCOPE

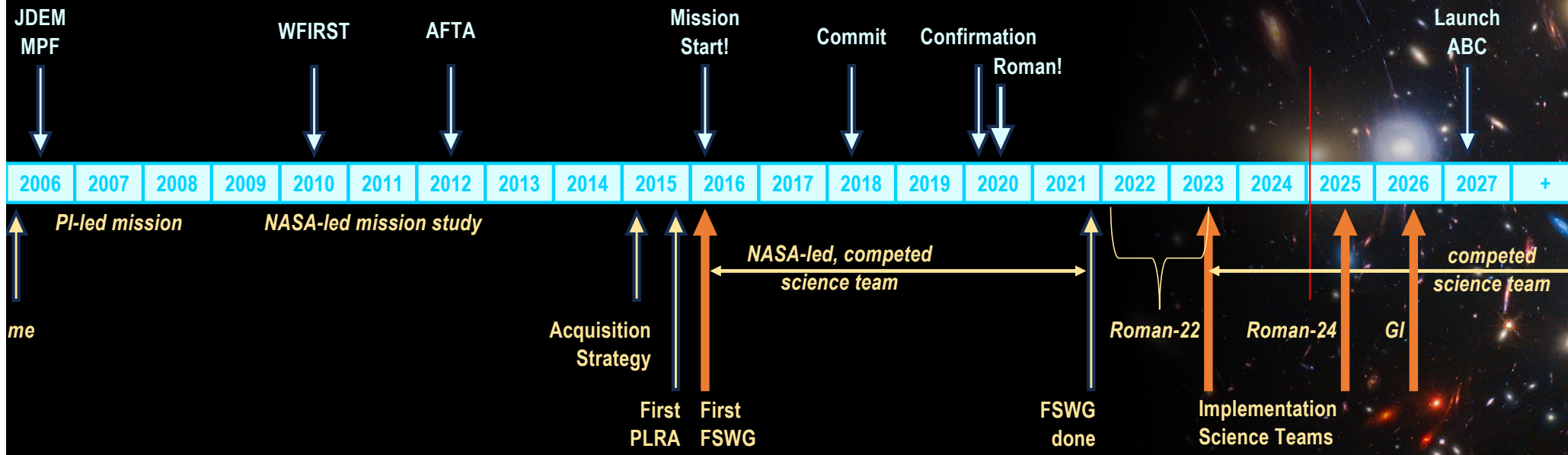
**D.14 RESEARCH
AND SUPPORT
PARTICIPATION
OPPORTUNITIES**

**DOMINIC BENFORD
ROMAN PROGRAM SCIENTIST
NASA/HQ**

- Roman solicitation available for starting November 26, 2024. Visit NSPIRES.
- Proposals due March 6, 2025 – please submit Notice of Intent by January 17!
 - Wide Field Science (2yr terms; scales of ~1 or ~3 FTE); ~12 sel.
 - Coronagraph Community Participation Program (≤ 1 FTE); ~3 sel.
- Open to anyone, including currently funded Roman PIT/WFS/CPP teams, provided the proposed work is distinct
- Anticipating the next solicitation will be Roman General Investigator calls
 - Calls annually beginning FY26
 - Mix of data-driven research (leveraging Roman's large surveys), new observations, and blends of those
 - Akin to Webb and Hubble GO funding, but emphasis on data-driven research



SCAN ME



- Roman's Science Team paradigm is a new approach

Wide Field Science

Supports investigations that prepare for and/or enhance the science return of *Roman* that can be addressed with its Wide Field Instrument (WFI)

Two different scales of project: Regular (~1 FTE) and Large (~3 FTE), both for 2 years

Anticipated selecting ≈ 12

Coronagraph Community Participation Program

Supports individuals or very small teams to work with existing CPP team. Together they plan and execute Coronagraph Instrument technology demonstration observations.

Selected for 3-year terms; ≤ 1 FTE; anticipate ~ 3 selected

But... How are Observations Planned?

- Substantial (~75%) time dedicated to Core Community Surveys
 - Being defined by an open community process run by Science Center
 - White papers requested in 2024; committee reports submitted in December
 - Roman Time Allocation Committee working this spring. Results mid-year.
- D.14 is *not* a call for observing time – it is to fund preparatory work to help you exploit the vast data that Roman makes available, all with no proprietary period.
- GI call in a year will offer the opportunity to propose new observations. Look for draft this fall!

- A Novel Construct: technology demonstration on flagship mission
 - Roman comes from Astro2010 as a bundle of science experiments; no PIs
 - Coronagraph comes from Astro2010 as a technology demonstration; no PI
- No Science Team. No GO time. CPP is the stand-in for this, and should represent interests from across the community. CPP will:
 - Demonstrate fundamentals of active coronagraph in space
 - Show wavefront sensing & control; post-processing; all the components
 - Precision studies of targets of interest (bright planets; debris disks)
 - Possible trials with different mask sets, spectroscopy, polarimetry
 - Make progress towards coronagraphy with Habitable Worlds Observatory → Earth 2.0

- CPP role:
 - Fundamentally: learn about coronagraphy, not the universe
 - *But*, study the universe to learn about coronagraphs
- CPP plan:
 - For the next 2 years, prepare for the observations
 - Then conduct the tech demo observations and analyze the data
 - Work together throughout. Support the Coronagraph project where necessary, and the broader community where possible
- Caveats:
 - We've designed a coronagraph that can do a lot, but couldn't test all that capability
 - Please be flexible to handle inevitable disappointment, but benefit from the positive of the Coronagraph where possible

A composite image of various celestial objects including nebulae and galaxies, with a central circular inset containing the text "QUESTIONS?". The background features a mix of colorful nebulae in shades of blue, green, and orange, alongside a galaxy with a prominent blue core and a starry field. The central circle is white with a black border and contains the word "QUESTIONS?" in white, bold, sans-serif capital letters.

QUESTIONS?