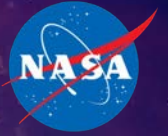


National Aeronautics and
Space Administration



NASA HQ Update

JWST User Committee | September 18, 2023

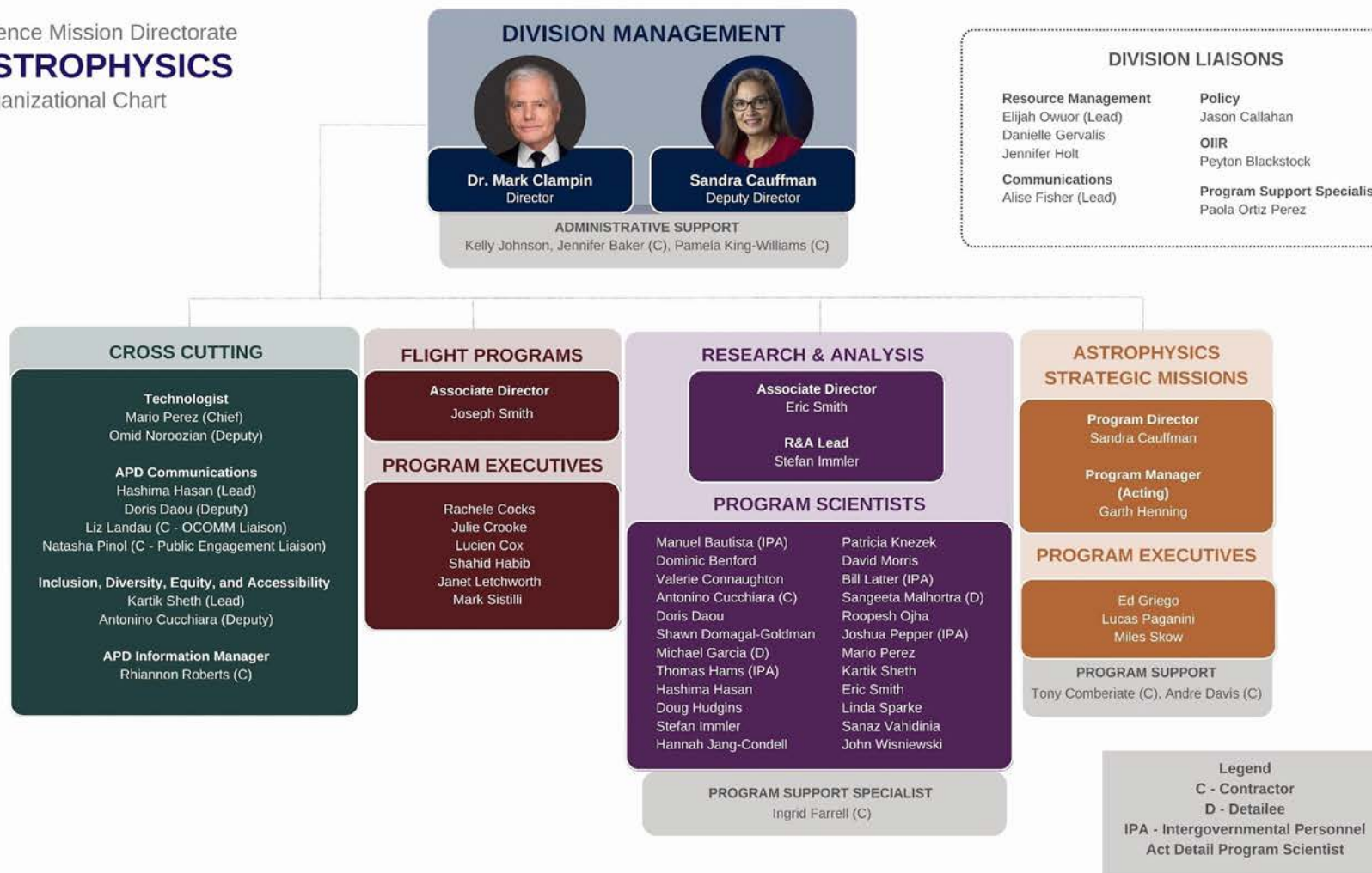
Eric P. Smith

JWST Program Scientist

Associate Director For Research, NASA's Astrophysics Division

Science Mission Directorate

Science Mission Directorate
ASTROPHYSICS
 Organizational Chart





Sandra Cauffman
Program Director

The **ASTROPHYSICS STRATEGIC MISSIONS PROGRAM** develops, launches, and operates large strategic observatories in accordance with NASA's goals to understand the universe and our place in it.



Garth Henning
Program Manager
(Acting)



Ed Griego
Program Executive



Lucas Paganini
Program Executive



Miles Skow
Program Executive

FLIGHT PROGRAMS



Joseph Smith
Associate Director

PROGRAM EXECUTIVES represent the mission for "up and out" HQ-level activities by tracking and reporting objectively on the status, risk, and issues; advocate for the mission within SMD; manage and coordinate communication among project, stakeholder, and community members.



Janet Letchworth
Operating missions



Lucien Cox
GUSTO, XRISM, SOFIA, ExEP prog.



Mark Sistilli
COSI, SPHEREx, Balloon
prog., Explorers prog.



Rachele Cocks
Pioneers, CubeSats, TDAMM



Shahid Habib
LISA, Athena, Ariel/CASE, Euclid,
Ultrastat, PhysCOS & COR progs.



Julie Crooke
GOMAP
Project Executive

RESEARCH & ANALYSIS



Eric Smith
Associate Director



Stefan Immier
R&A Lead

PROGRAM SCIENTISTS are the senior NASA Scientists responsible for the science content of an SMD Science investigation. They ensure that the science NASA selects is the science NASA gets and advocates at HQ for the science of the mission.



Antonino Cucchiara
Fermi, FINESST, NHFP,
Bridge Program



David Morris
Explorers Deputy,
Cubesats Deputy,
APRA Deputy



Doris Daou
Euclid, NEO Surveyor,
New Horizons, Precursor,
ADAP Deputy



Hannah Jang-Condell
Explorers, XRP, EXEP



Kartik Sheth
SPHEREx, Athena,
IR Portfolio



Mario Perez
Swift, ISFM, RTF, SAT,
UVO Deputy



Roopesh Ojha
NICER, High End
Computing, ADCAR, Data,
R&A Deputy



Stefan Immier
Chandra, COSI,
Spektrum X Gamma



Bill Latter
GUSTO Deputy,
LabAstro Deputy



Doug Hudgins
Ariel/CASE, EPRV, NexSCI,
ADAP Deputy, EXEP



Hashima Hasan
IXPE, NuSTAR,
Citizen Science, Keck,
ADCAR Deputy



Linda Sparke
ADCAR, Explorers
Deputy, COSI Deputy



Michael Garcia
Hubble, Pioneers,
CubeSats, UVO,
Sounding Rockets Deputy



Sanaz Vahidinia
XRISM, ATP, TCANN,
IR Portfolio Deputy



Thomas Hams
GUSTO, LISA, Balloons,
Sounding Rockets, PFP,
IR Portfolio Deputy



Dominic Benford
Roman, APRA



Eric Smith
JWST



Joshua Pepper
TESS, ADAP



Manuel Bautista
UltraSat, XMM, LabAstro,
Probes Deputy, COR



Patricia Knezek
SOFIA, Explorers, ADCAR
Deputy, NHFP Deputy



Sangeeta Malhortra
Roman Deputy, ATP Deputy,
FINESST Deputy



Valerie Connaughton
HEA, PhysCOS, TDAMM



John Wisniewski
SPHEREx Deputy,
XRP Deputy



Shawn Domagal-Goldman
GOMAP Program Scientist

CROSS CUTTING staff are responsible for managing and developing the technology programs, coordinating IDEA activities and programs, as well as APD communications in support of the division.



Mario Perez
Chief Technologist



Omid Noroozian
Deputy Technologist



Doris Daou
Communications
Deputy



Hashima Hasan
Communications
Lead



Elizabeth Landau
OCOMM Liaison



Natasha Pinol
Public Engagement
Liaison



Kartik Sheth
Inclusion, Diversity,
Equity, and
Accessibility (Lead)



Antonino Cucchiara
Inclusion, Diversity,
Equity, and Accessibility
(Deputy)



Rhiannon Roberts
APD Information
Manager

Astrophysics Budget

- FY23 appropriation \$1,510M, versus FY22 appropriation of \$1,589M.
- FY24 President's Budget:
 - FY24 request \$1,557M (FY23 PBR \$1,556M)
 - Modest decadal wedge begins in FY24 for technology maturation in support of Decadal Survey-recommended GOMAP for Habitable Worlds Observatory
 - Extend operating missions per Senior Review recommendations, including Hubble, Chandra and the Transiting Exoplanet Survey Satellite (TESS)
 - SOFIA close out budget FY23-25 permits responsible closeout, dispositioning of assets, data reprocessing and archiving, and career transition for early careers
 - Delays in Explorers program up to one year
 - Replanning ATHENA funding pending ESA re-formulation activities

Astrophysics Budget

- Senate Report Language FY24 \$1,543,900K.
- House Mark for FY24 \$1,557,400K.

The [Senate] Committee recommendation for Astrophysics includes no less than \$98,300,000 for the Hubble Space Telescope, \$407,300,000 for the Nancy Grace Roman Wide-Field InfraRed Survey Telescope [Roman], and up to \$259,300,000 for Astrophysics Explorers. The Committee is encouraged by NASA's commitment to accelerate the cadence of Astrophysics Explorer missions and to continue a new line of small Pioneer-class missions that leverage advancements in low-cost platforms such as CubeSats and balloons to support groundbreaking science. Such activities can improve scientific understanding while simultaneously developing the scientific workforce through increased research opportunities for students and faculty.... As such, the Committee recommends up to \$289,900,000 for Astrophysics Research.... The Committee congratulates NASA on the success of the JWST mission thus far and provides \$187,000,000.... In order to cement continued American leadership in astronomy, the Committee provides the requested level for GOMAP to implement the Astro2020 recommendations.... Up to \$20,000,000 is provided for SOFIA to continue the orderly closeout of the mission



Science Data Policy and a Year of Open Science

- SMD has released [SPD-41a: Scientific Information Policy for the Science Mission Directorate](#) to provide guidance on the open sharing of publications, data, and software created in the pursuit of scientific knowledge.



- SMD has developed Open Science Guidelines that provide further guidance to the community on general implementation of SPD-41a.



- The [Astrophysics Scientific Information Management Policy](#) provides further clarification on the application of SPD-41a to the Astrophysics Division.





Science Data Policy and a Year of Open Science

- 2023 Year of Open Science is a multi-agency initiative to spark change and inspire open science engagement through events and activities that will advance adoption of open science. NASA is a participating agency.



- NASA's participation in the Year of Open Science is part of SMD's Transform to Open Science (TOPS), a \$40 million 5-year mission to accelerate adoption of open science.



APAC Recommendations from June 2023

Recommendation

The APAC recommends that information on the length of (or lack of) proprietary time requested in JWST proposals (and other mission proposals as appropriate) be kept confidential from the TAC; this includes the default exclusive time. The STScI, HST, and JWST Users Committees should be made aware of this recommendation and if adopted, this change should be widely circulated.

JWST MOU language

- **ARTICLE 10 - RIGHTS IN AND DISTRIBUTION OF DATA**

1. The Parties shall have access to all data resulting from the mission upon their becoming available.
2. The Selected Investigators shall have access to scientific data obtained by their respective investigations upon their becoming available.
3. Selected Investigators shall have an exclusive first publication right. The duration of the exclusive right shall be 12 months (hereinafter referred to as the "Restricted Period") from receipt by the Selected Investigators of the JWST data in a form suitable for analysis. The Restricted Period may be reduced by the Director of the S&OC facility with concurrence by NASA, ESA, and CSA based upon experience gained by the international scientific community in the initial years of JWST operations. Investigators may occasionally be requested to share data to enhance efficient utilization of the Observatory and of ground observing operations. Following the Restricted Period, JWST data records, or copies of processed data, shall be deposited with the National Space Science Data Center (NSSDC) and with the S&OC facility and made available to the international scientific community. It is agreed that a listing of all observations shall be published by the S&OC at least every six months in sources readily available to all investigators.