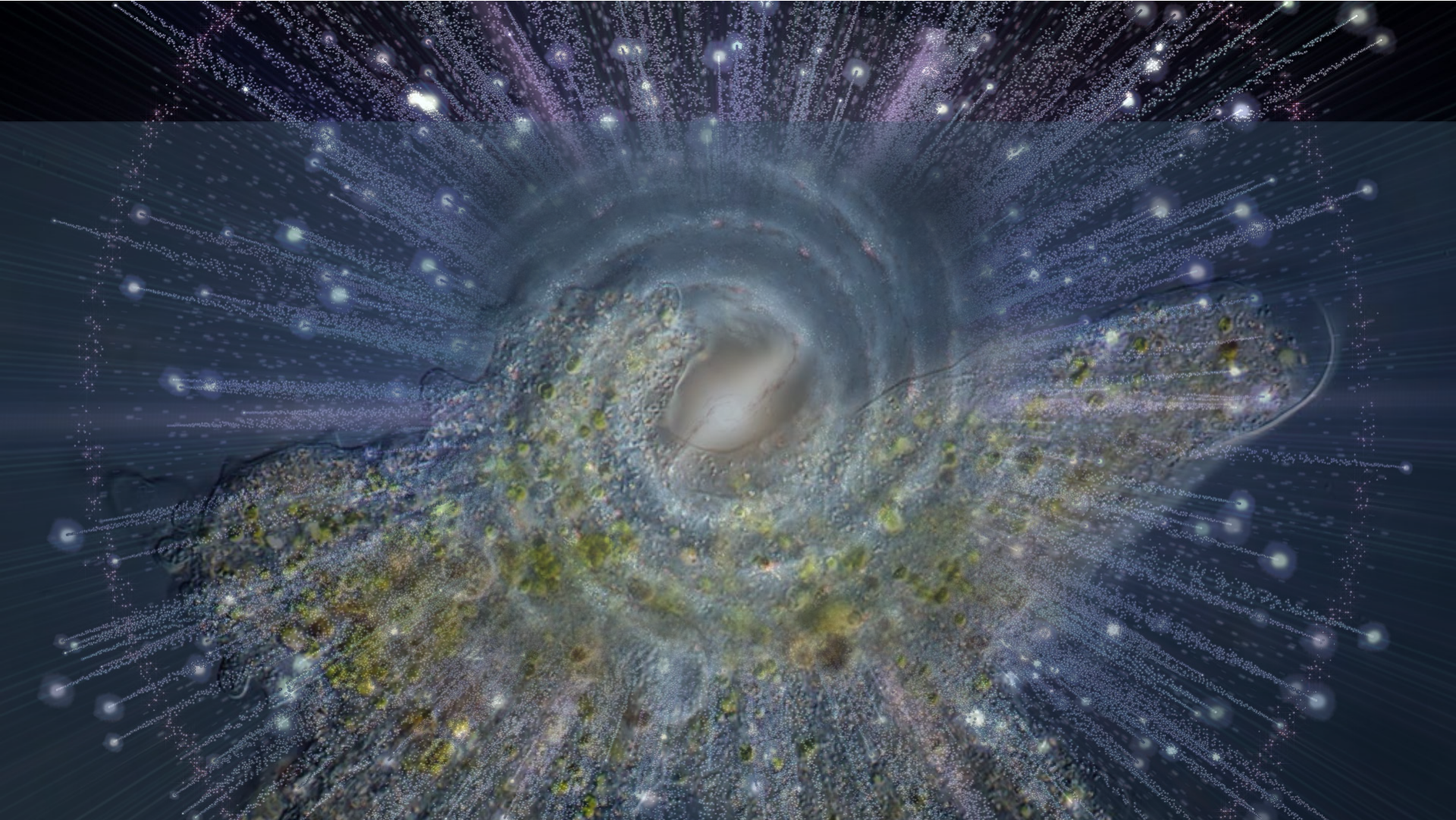


ASTROPHYSICS ROADMAP 2013



Chryssa Kouveliotou, Chair

The Road Map team was established on February 14, 2013 as an APS Task Force *to create a compelling 30-year vision for the Astrophysics Division* by:

- starting and building upon the Astrophysics 2010 Decadal Survey
- addressing scientific and technological challenges, with notional missions
- soliciting and including community input via public calls

The RM team membership was selected based on multiple criteria:

- expertise encompassing the breadth of Astrophysics Division programs (PCOS, COR, Exoplanets)
- seniority levels (junior, mid, senior)
- theoretical, observational, instrumentation, and outreach capability membership
- gender diversity
- geographical diversity

RM Team

Eric Agol

Natalie Batalha

Misty Bentz

Joan Centrella

Neil Cornish

Alan Dressler

Enectali Figueroa-Feliciano

Scott Gaudi

Olivier Guyon

Dieter Hartmann

Jason Kalirai

Heather Knutson

Chryssa Kouveliotou

Michael Niemack

Feryal Ozel

Brad Peterson

Chris Reynolds

Aki Roberge

Kartik Sheth

Jonas Smuidzinas

David Weinberg

University of Washington

NASA Ames

Georgia State University

NASA HQ, Exec. Secretary

Montana State University

Carnegie Observatories

MIT

Ohio State University

University of Arizona/Subaru Telescope

Clemson University

STScI

Caltech

NASA MSFC, Chair

Cornell University

University of Arizona

Ohio State University, APS Chair, ex officio

University of Maryland

NASA GSFC

NRAO

JPL/Caltech

Ohio State University

■ Exoplanets

■ COR

■ PCOS

Team Changes:

Heather Knutson withdrew because of too many schedule conflicts - we are currently seeking a replacement with theoretical expertise on exoplanet atmospheres in particular

Amber Straughn, a science communications expert, has joined the team

First team telecom: 13 March, 2013

Actions from the Chair:

1. Divide *team* into three subteams (PCOS, COR, Exo)
2. Divide *process* into two steps for each area:

ANALYSIS

- *PAST:*
 - Study the science and technology leaps in the last 30 years
 - Study evolution of partnerships and international collaborations
(Both tasks for the Program Chief scientists)
- *PRESENT:*
 - Start from the Decadal Survey - done by each team in their area
 - Determine what has been actually accomplished *since the decadal* in each area

SYNTHESIS

- *FUTURE:*

All - to start at the Face to Face (F2F) meeting with continuous input from community and Programs. Include information from DoE, NSF, ESA, JAXA about their long term vision and strategic planning.

 - Determine the central vision/story for each team - combine these into a continuous story

Face to Face meeting at GSFC 27-28 March 2013

- Presentations from the Program Chief scientists
- Splinter meetings for each subteam
- Presentations of the first conclusions/story/theme from each subteam to the entire team
- Emerging common story theme - to be continued...
- Development of the milestones timeline for the task force

Road Map Timeline

April:

- Decision on Town Hall abstract selection by April 20
- First report from all group discussions by the end of April

May:

- May 6-7 Town Hall: Web presentations of selected abstracts
- Major goals/questions/themes by end of May

June

- Second F2F meeting ~ week of June 10 in JPL: Decisional

July - August:

- Conclusions presented to APS for approval - develop and incorporate graphics - deliver conclusions to Paul Hertz

-October - November:

- Report writing

December:

- Report publication

Town Hall format

- Invited presentations from
 - Roger Blandford
 - Jim Ulvestad
 - Fabio Favata
 - Tad Takahashi
- Invited Selected abstract presentations
- Public input sessions
- Total of 106 abstracts - 82 science + EPO and 24 technology challenges