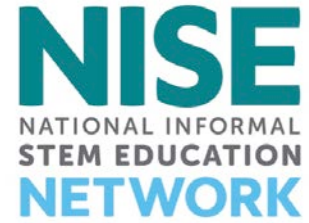


NISE Network Online Workshop



The Science Behind the 2020 Explore Science:
Earth and Space Toolkit - Using your toolkit to
present the life cycle of stars

Tuesday, February 11, 2020

Welcome!

Today's presenters are:

- **Katherine Kornei**, NISE Net Earth & Space Content Expert
- **Laura Peticolas**, Sonoma State University
- **Frank Kusiak**, Lawrence Hall of Science, UC Berkeley
- **Darrell Porcello**, Children's Creativity Museum



As we wait to get started with today's discussion, please:

Introduce yourself! Type your name, institution, and location into the Chat Box

Questions? Feel free to type your questions into the Chat Box at any time throughout the webinar or use the raise your hand function in the participants list and we'll unmute your microphone.

Today's discussion will be recorded and shared online at nisenet.org/events/online-workshop

Online Workshop Overview



5 min

NISE Network introductions & toolkit overview

30 min

Drs. Katherine Kornei and Laura Peticolas on star connections to the 2020 Explore Science: Earth & Space Toolkit

Frank Kusiak with highlights from “Star Formation” and “Nebula Spin Art”

20 min

Q & A from our audience

Your Friendly NISE Net Webinar Crew



Katherine Kornei, Ph.D.
NISE Net Earth & Space
Content Expert
Portland, OR



Laura Peticolas, Ph.D.
Associate Director
Education & Public
Outreach Group
Sonoma State University



Frank Kusiak, M.A.
NISE Net Western
Regional Hub Leader
Lawrence Hall of Science,
UC Berkeley

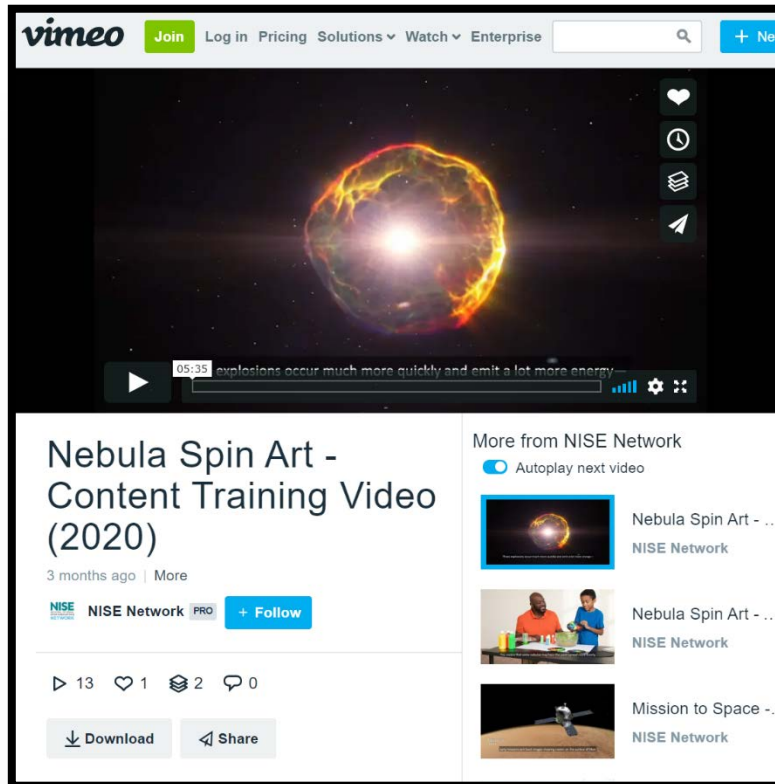


Darrell Porcello, Ph.D.
NISE Net Earth & Space, Co-I
Children's Creativity Museum



Lindsay Bartolone, M.S.
NISE Net Earth & Space Content Expert
Chicago, IL

2020 Explore Science: Earth & Space Toolkit + Videos



Watch all the facilitation and content training videos:
<https://vimeopro.com/nisenet/explore-science-earth-space>



Download the 2020 digital toolkit now:
<http://www.nisenet.org/earthspacekit-2020>

Submit your questions...

We will be collecting your Questions in the chat window to your right throughout the talk.

We will go through these questions in the Q&A section of the webinar. Those we don't get to today we will reply over email.



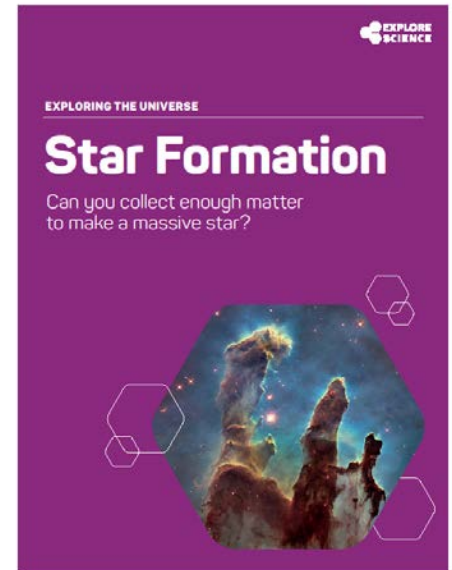
...in the chat box.

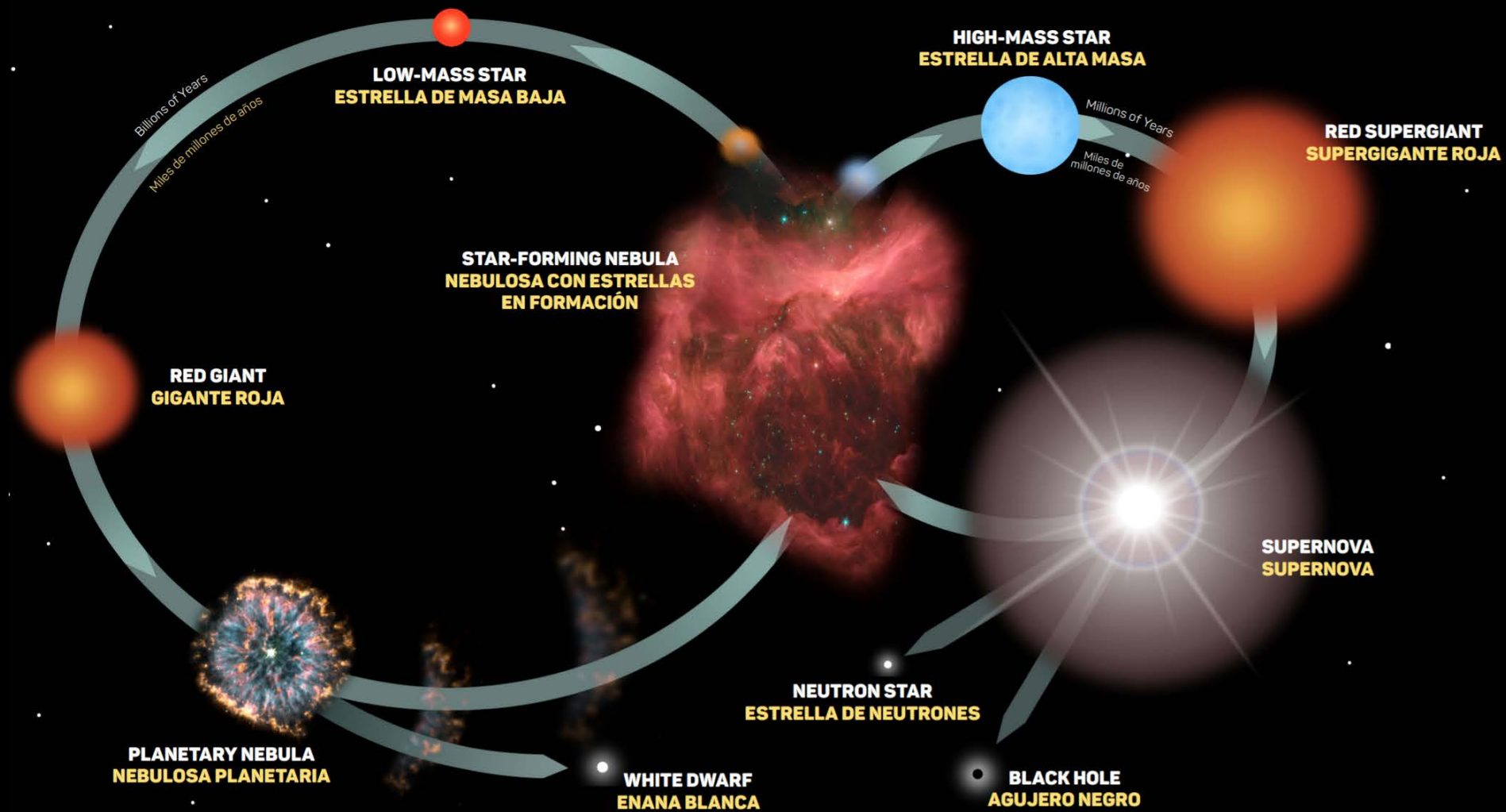
The Science Behind 2020 Explore Science: Using your toolkit to present the life cycle of stars



Image credit: NASA, ESA, M. Robberto (Space Telescope Science Institute/ESA) and the Hubble Space Telescope Orion Treasury Project Team

Star Formation





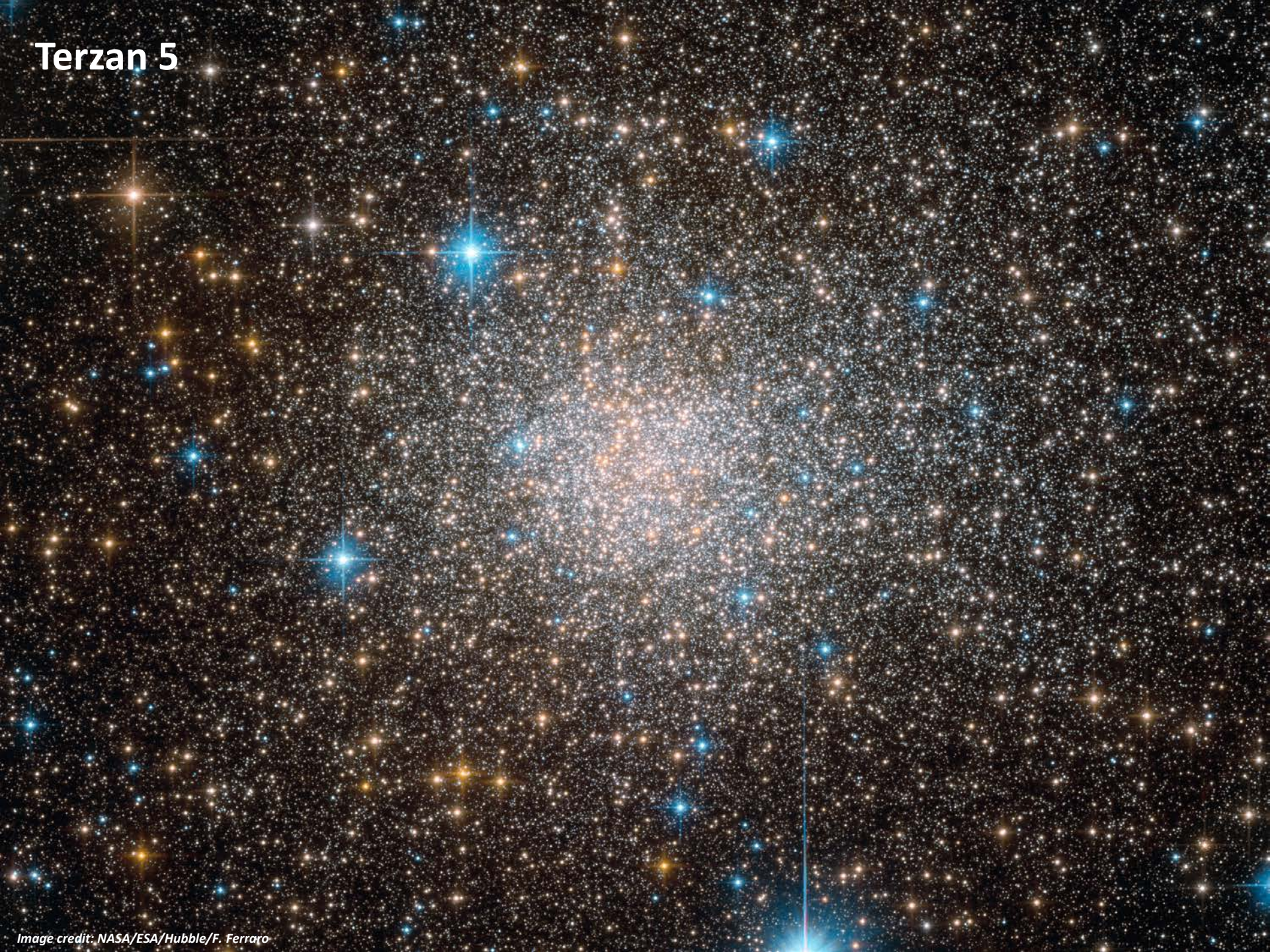
Carina Nebula

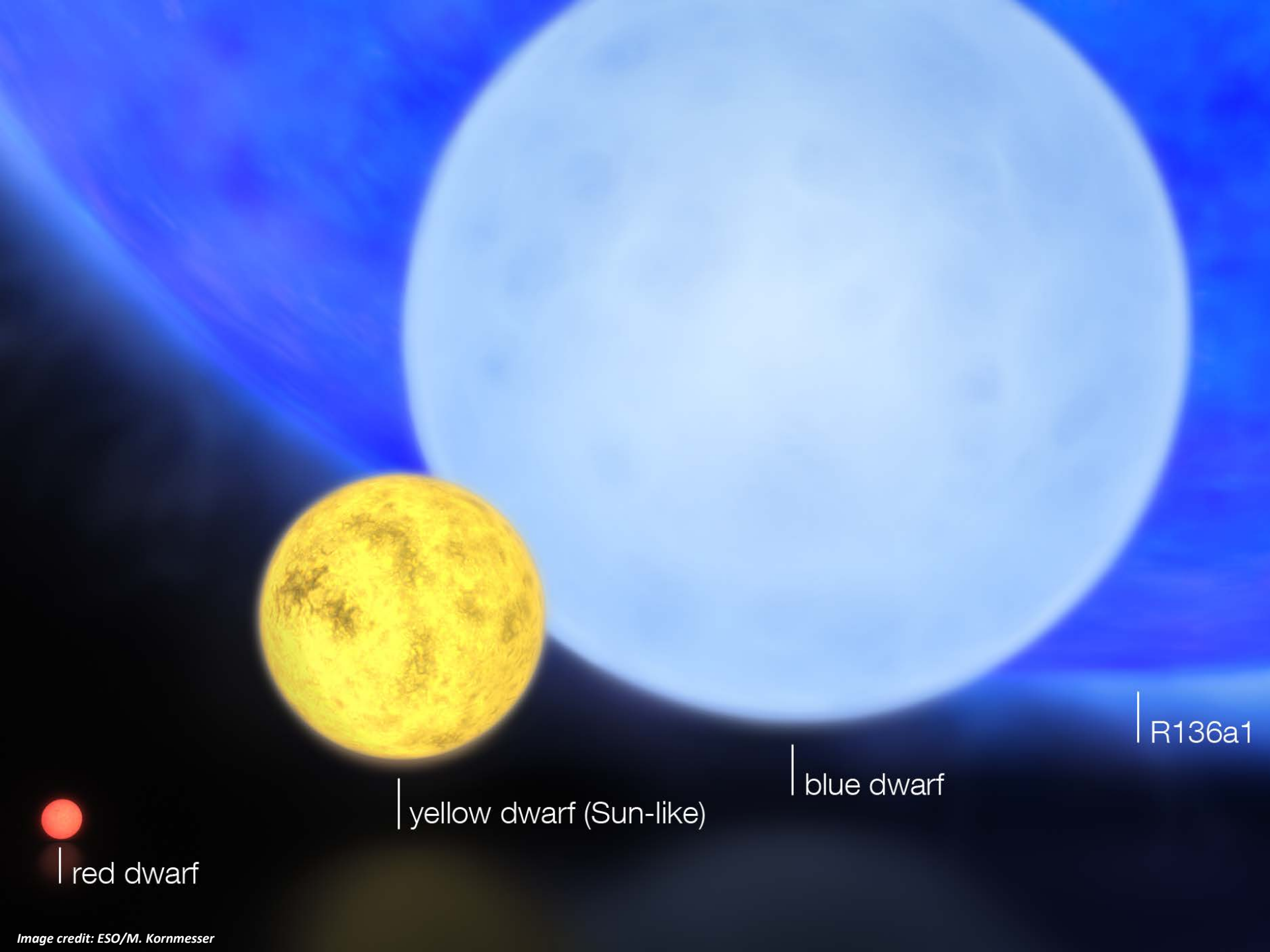


Image credit: NASA, ESA, and M. Livio and the Hubble 20th Anniversary Team (STScI)

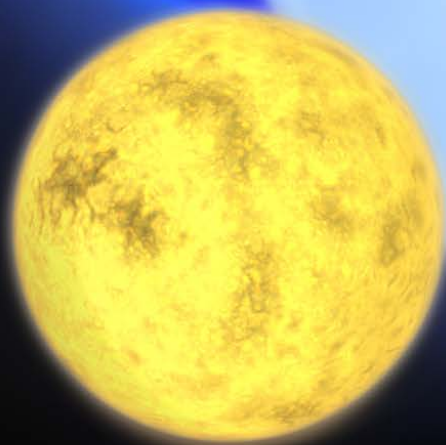


Terzan 5

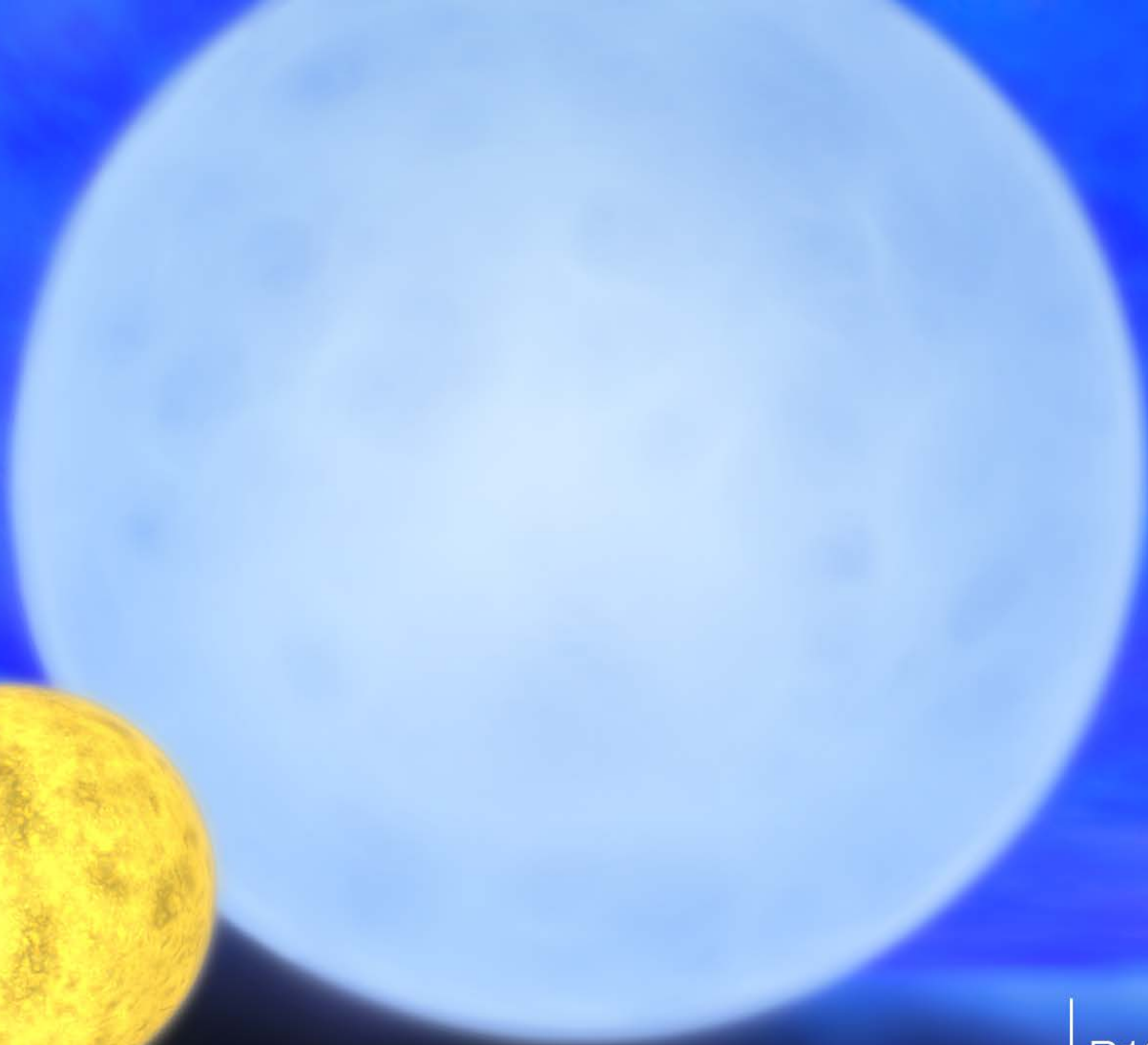




| red dwarf



| yellow dwarf (Sun-like)



| blue dwarf

| R136a1

Nebula Spin Art





Image credit: NASA, ESA and the Hubble Heritage Team (STScI/AURA)

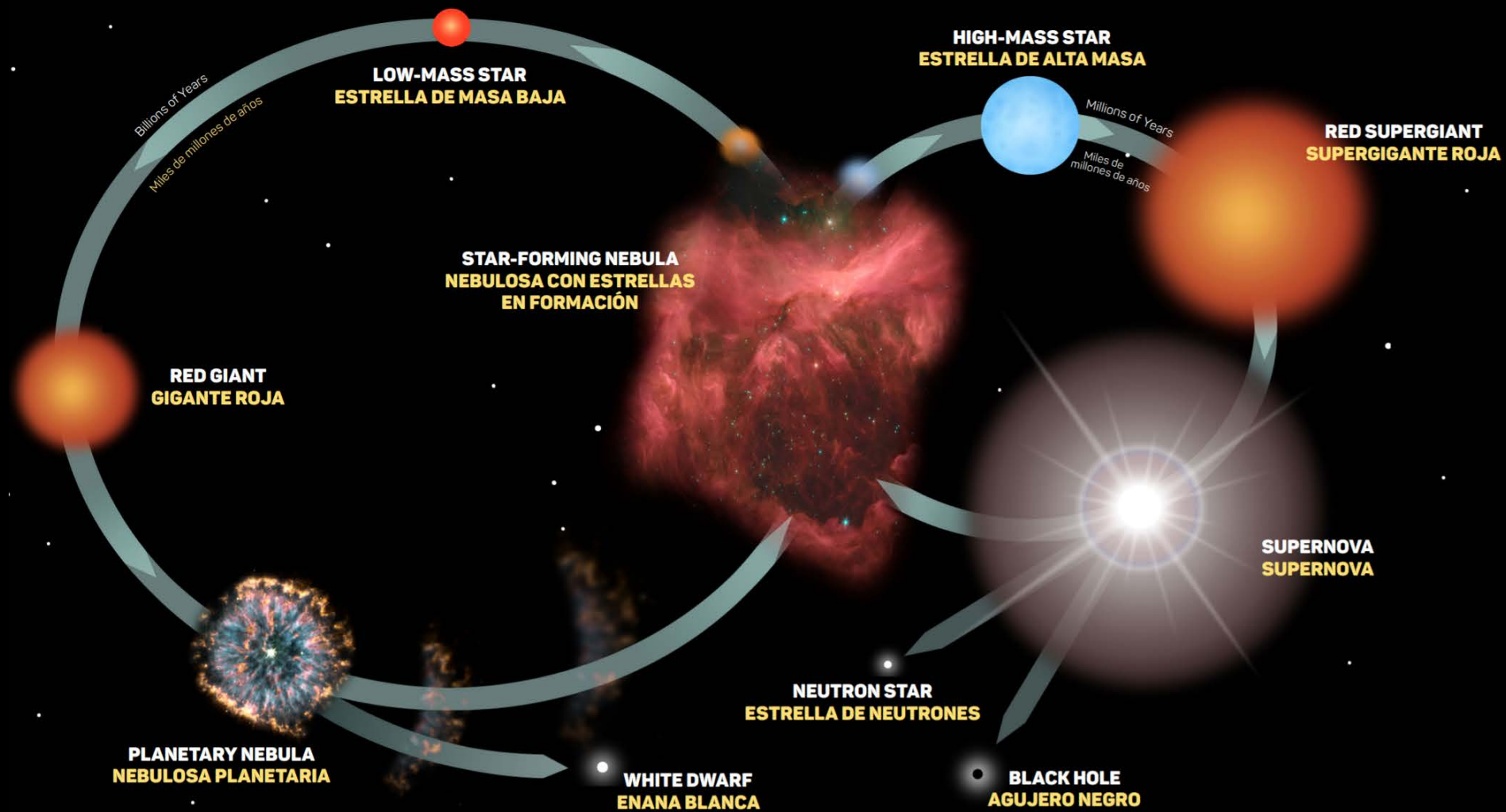




Image credit: NASA, ESA, C.R. O'Dell (Vanderbilt University), M. Meixner and P. McCullough (STScI)

NGC 2022



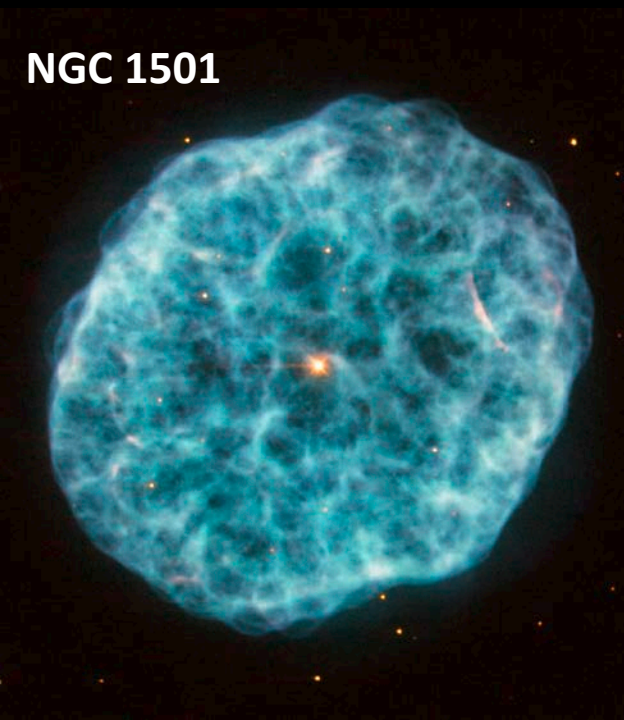
Hubble 5



NGC 6153



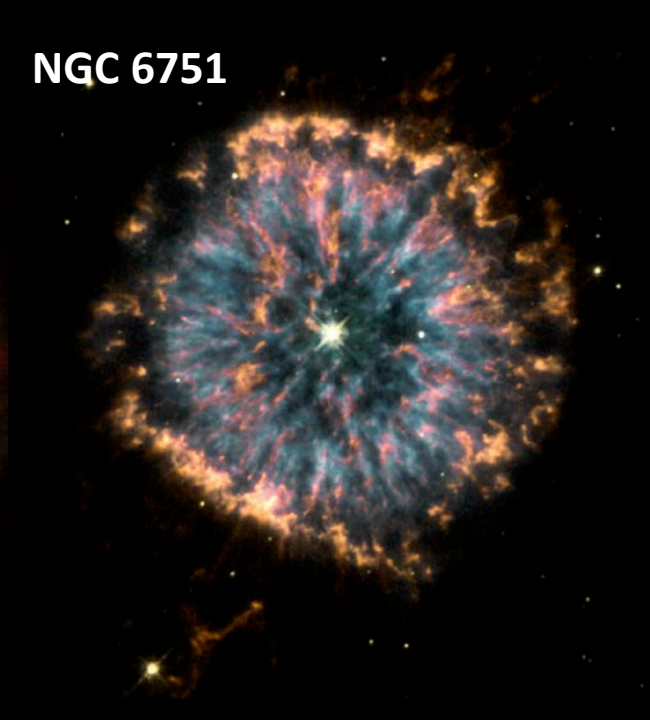
NGC 1501

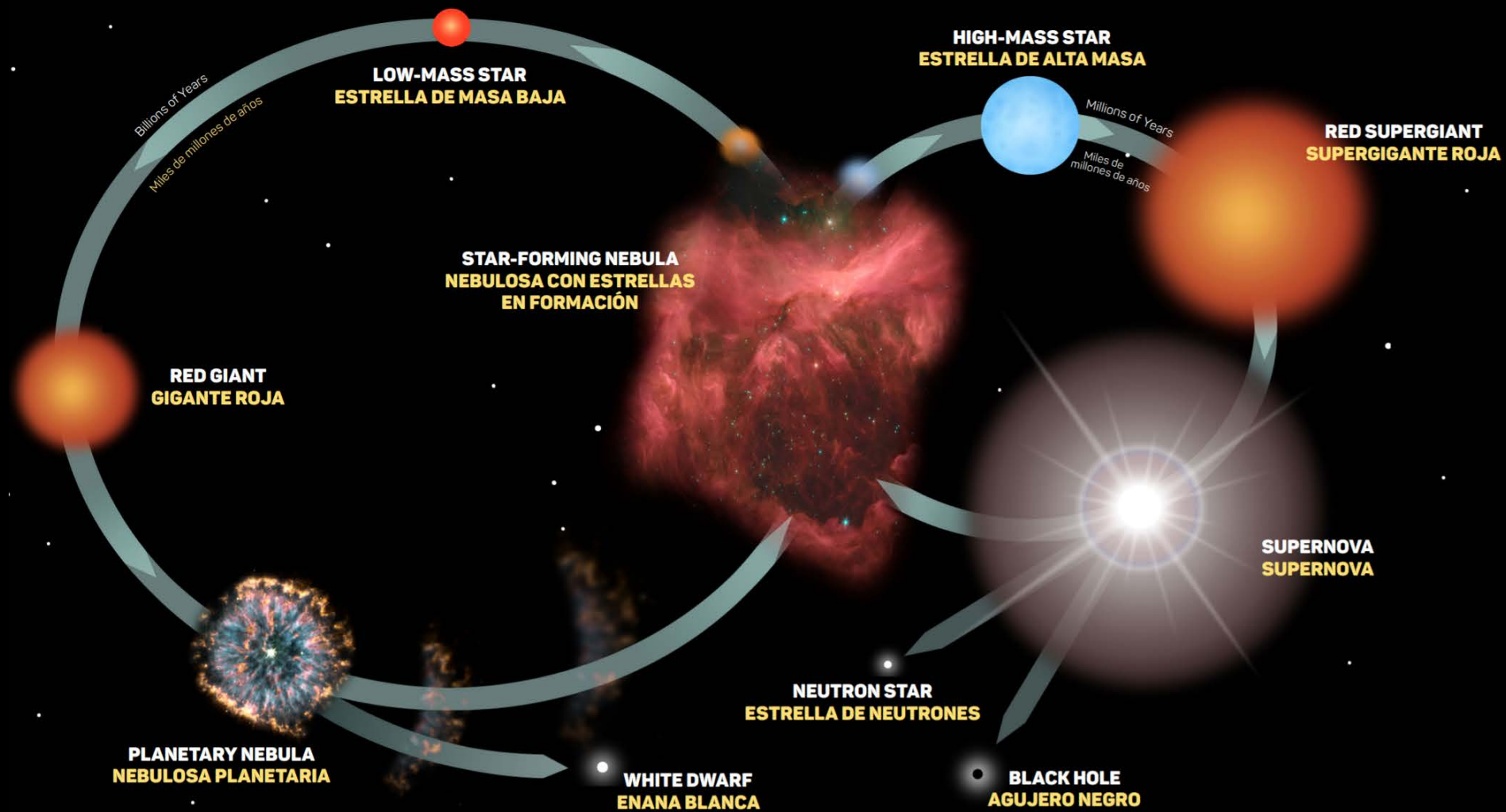


NGC 6826



NGC 6751





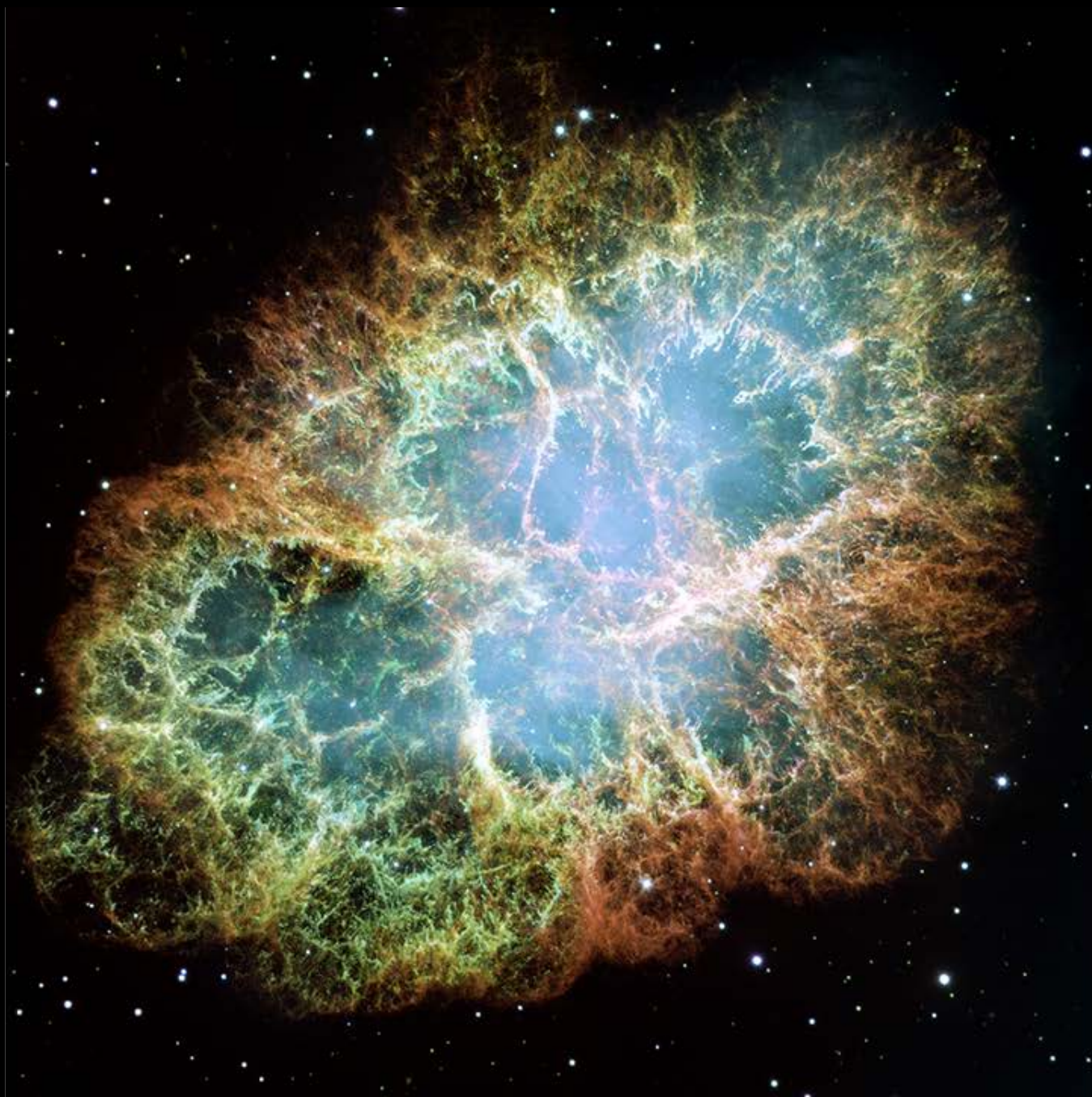


Image credit: NASA, ESA, and the Hubble Heritage Team (STScI/AURA)

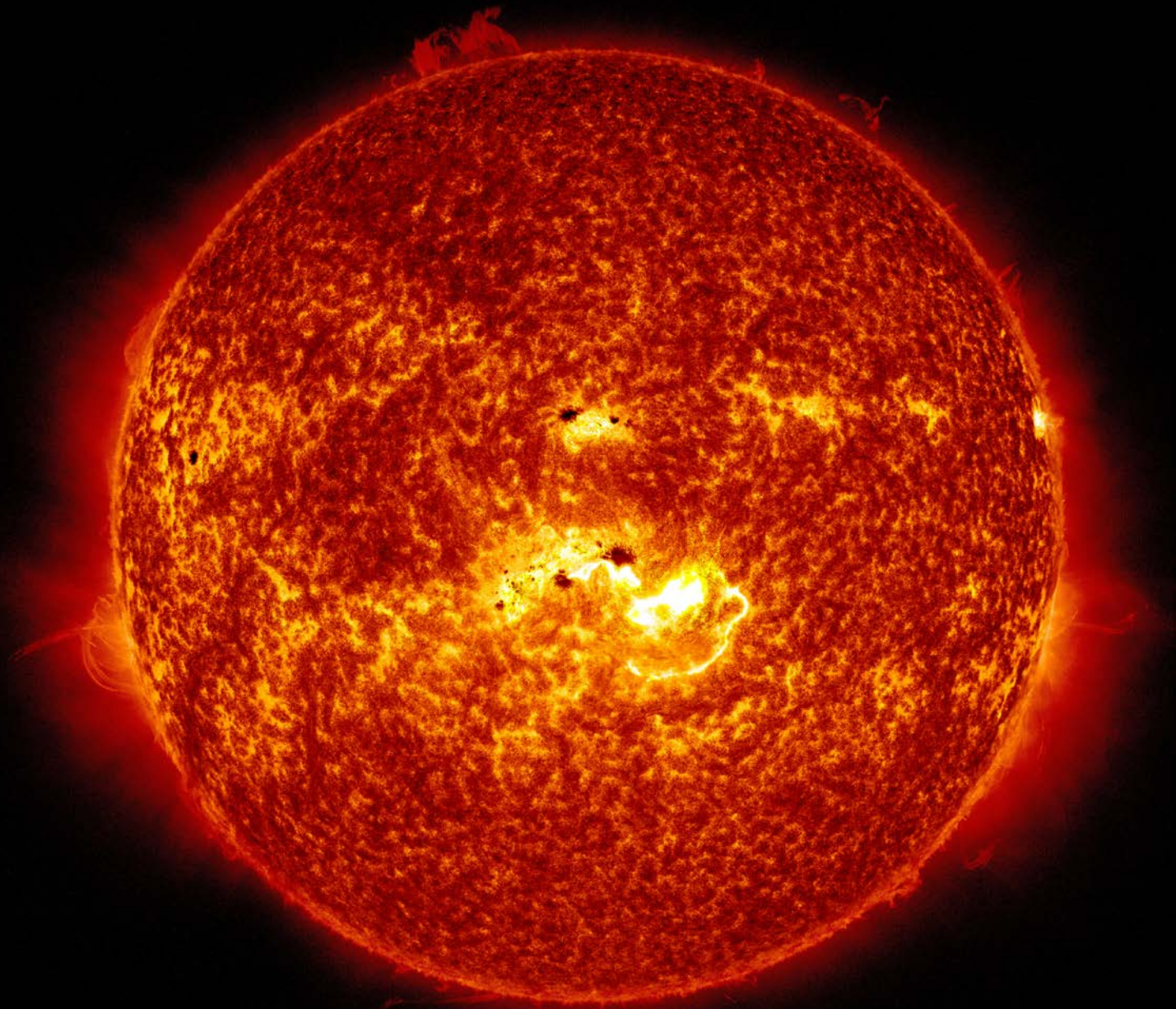




Image credit: Image Science and Analysis Laboratory, NASA-Johnson Space Center

Questions?

Our Next Workshop



**The Science Behind the
2020 Explore Science:
Earth and Space Toolkit –
Asteroid Mining (Part 3)**

Dr. Jim Bell

**Tuesday, March 24, 2020:
2pm-3pm Eastern /
11am-12pm Pacific**

Sustainability Series



This three-part series of online workshops is aimed at supporting Network partners in engaging their staff, visitors and communities in creating a sustainable future. Participants will also learn about new NISE Network public programming resources for use in your [Earth Day 2020 offerings](#) and beyond.

Sustainability in Museums Around the World: Working Together to Create a Sustainable Future

Tuesday, February 18
2-3pm Eastern / 11am-12pm Pacific

Sustainability and Museum Operations: Practices, Partnerships, and Resources to Help Your Organization Become More Sustainable

Tuesday, February 25
2-3pm Eastern / 11am-12pm Pacific

Sustainability and Museum Visitors: Exhibits, Programs, and Other Ways to Engage the Public

Tuesday, March 3
2-3pm Eastern / 11am-12pm Pacific

Check out nisenet.org/earth50 for all your Earth Day resources!

Toolkits shipped!



Get Involved

Learn more and access the
NISE Network's online digital resources
nisenet.org



**Subscribe to the
monthly newsletter**
nisenet.org/newsletter



**Continue the
toolkit conversation**
bit.ly/nisenetryver



Follow NISE Net on social networking
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Thank You

