



Arecibo Observatory

Exercise your science curiosity in the surprisingly suitable Caribbean. Cast off on Bright Horizons 11 and explore a slate of science topics inspired by the islands. Based on Holland America Line's m.s. Eurodam, our community of science experts and science buffs head for tropical climes, January 14–21, 2012, round-trip Fort Lauderdale, Florida.

Take a cue from our island journey and delve into the form and function of flowers and plant evolution on islands with Dr. Spencer Barrett. Open a door to thought provoking developments in primatology with Dr. Frans de Waal. Enjoy the fruit of crossdisciplinary work in bioarchaeology when Dr. Patrick McGovern details discoveries about ancient fermented beverages. Dr. Marc Davis guides us through physical cosmology and the latest on the search for exoplanets. Explore sun science and energy futures, and grasp "Einstein in a Nutshell" through Dr. Richard Wolfson's sessions.

We'll go behind the scenes at the Arecibo radio telescope on an optional excursion with briefings on the radio astronomy, planetary radar and climatology research there. Plus, we'll boldly go where ordinary visitors are not permitted at the telescope, using the password "Scientific American".

See what's brewing in astrophysics and climatology, primatology, botany, and bioarchaeology. Add vivid colors and beautiful beaches, elegant dining and gracious service, sunsets and fun with friends, and you have the Bright Horizons 11 picture. Please join us! For full details, email concierge@insightcruises.com or call (650) 787-5665.

Cruise prices vary from \$699 for an Interior Stateroom to \$2,699 for a Deluxe Suite, per person. For those attending our program, there is a \$1,475 fee. Government taxes, port fees, and InSight Cruises' service charge are \$183.80 per person. **For more info please call 650-787-5665 or email us at Concierge@InSightCruises.com**



THE ANCIENTS AND CHEMISTRY

The Quest for Fermented Beverages
 Royal Purple: The Dye of Gods and Kings
 The First Wine: An Archaeochemical Detective Story
 Ancient Beer: A Global Perspective



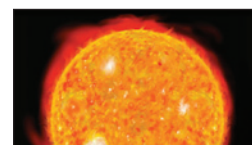
PRIMATOLOGY

A Darwinian View of the Moral Emotions in Man and Animals
 On the Possibility of Animal Empathy
 What Primates Know About and Learn From Each Other



ENVIRONMENTAL SCIENCE

Global Warming: State of the Science
 Energy Futures



ASTROPHYSICS, ASTRONOMY, AND RELATIVITY

Einstein in a Nutshell
 Wild Sun!
 The Search for Exoplanets
 Gravitational Lensing
 Galaxies and the Clustering of Galaxies
 Why Does our Universe Have a Beginning?



BOTANY

Plant Sex Made Easy
 Darwin's Legacy: the Form and Function of Flowers
 Plant Evolution on Islands
 Plant Invasions — More Than Just a Nuisance

SPEAKERS

Spencer C.H. Barrett, Ph.D.
 Marc Davis, Ph.D.
 Frans B.M. de Waal, Ph.D.
 Patrick E. McGovern, Ph.D.
 Richard Wolfson, Ph.D.

ARECIBO OBSERVATORY

Explore the contributions and potential of radio astronomy at the celebrated Arecibo Observatory. Get an unparalleled behind-the-scenes tour of the iconic facility, and absorb an in-depth look at the unique contributions derived from Arecibo research and development.

Join us as we wind through the rainforest-blanketed karst terrain of Northern Puerto Rico. We'll get a sense of the massive physical scope of the Arecibo radio telescope. We'll boldly go where ordinary visitors are not permitted. NAIC scientists will update us about the radio astronomy, planetary radar discoveries, and climatology research at the observatory. From the monitoring of near-earth objects to cosmology, astrophysics, and global warming research, you'll gain insight into the vital activities at Arecibo. This optional six-hour tour includes transportation, lunch, and entrance fees and costs \$275.



NASA'S KENNEDY SPACE (KSC) CENTER

NASA's launch headquarters, on the Space Coast, is the only place on Earth where you can tour launch areas, meet a veteran astronaut, and grasp the true enormity of the Space Program. Experience fun and wonder with Bright Horizons companions in this private pre-cruise, custom, full-day tour. Get ready to walk among and beneath giant rockets, discover what it takes to launch the Space Shuttle from preparation to liftoff, and soak in Kennedy Space Center's "The Right Stuff" vibe.

The KSC excursion is \$575 pp and includes all of the above plus breakfast, lunch, and dinner; one-night hotel; and transportation to/from the KSC to our hotels in Ft. Lauderdale.