

# Bright Horizons™ 10

Rome to Athens, October 1–13, 2011



[www.InSightCruises.com/SciAm-10](http://www.InSightCruises.com/SciAm-10)

Set a course for intellectual adventure on the Black Sea with your curiosity as a guide and Scientific American to take care of the details. Join Scientific American on the Bright Horizons cruise conference on Holland America Line's ms Rotterdam, sailing Rome to Athens October 1–13, 2011.

As you ply the wine-dark seas, join Dr. John Steele in tracing the astronomical legacies of the Babylonians and Greeks. Dr. Michael Wysession conveys the impact of volcanoes and tsunamis in the flow of civilization. Sit with Dr. Michael Benton as he brings dinosaurs to life. Tune in to Dr. Mohammed Noor, as he details the nature of species. Get the latest concepts on comets with Dr. Mark Bailey. Illuminate dark matter with Dr. Lawrence Krauss.

The Draconid meteor shower will punctuate your Black Sea sojourn. Typically a minor celestial event, the 2011 shower is forecast to be a humdinger.

Cover new terrain, from Rome to Odesa to the Kuiper Belt. Celebrate ancient civilizations and the current moment with a friend. Find the how-tos and details at [InSightCruises.com/SciAm-10](http://InSightCruises.com/SciAm-10) or call 650-787-5665 and join kindred spirits on a voyage of discovery.

## PRIVATE, INSIDER'S TOUR OF CERN

**September 28, 10am–4pm** — From the tiniest constituents of matter to the immensity of the cosmos, discover the wonders of science and technology at CERN. Join Bright Horizons for a private pre-cruise, custom, full-day tour of this iconic facility.

Whether you lean toward concept or application there's much to pique your curiosity. Discover the excitement of fundamental research and get a behind-the-scenes, insider's look of the world's largest particle physics laboratory.

This trip is limited to 50 people. For questions and hotel pricing, please contact Neil or Theresa, or give us a call at (650) 787-5667.

Our full day will be led by a CERN official and physicist. We'll have an orientation; visit an accelerator and experiment; get a sense of the mechanics of the large hadron collider (LHC); make a refueling stop for lunch in the Globe of Science and Innovation; and have time to peruse exhibits and media on the history of CERN and the nature of its work.

To take advantage of this unrivaled insider access to CERN, rendezvous on September 28, 2011 in Geneva, Switzerland. The additional price is \$175 and includes

- Entrance to CERN
- Lunch at CERN
- A round-trip transfer from our Geneva hotel to CERN



SCIENTIFIC AMERICAN TRAVEL

BRIGHT HORIZONS

Cruise prices vary from \$1,799 for an Interior Stateroom to \$5,299 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 \$208.91 per person. For more info please call 650-787-5665 or email us at [Concierge@InSightCruises.com](mailto:Concierge@InSightCruises.com)



### COSMOLOGY

Speaker: Lawrence Krauss, Ph.D.

**Quantum Man: Richard Feynman's Life in Science**

**An Atom from Greece**

**The Dark Side of the Universe: From Black Holes, to Dark Matter, and Dark Energy**  
**Hiding in the Mirror: Extra Dimensions, CERN, and the Universe**



### COMETS

Speaker: Mark Bailey, Ph.D.

**Meteors, Meteor Showers, and the Draconids**

**Comets and Concepts in History**

**The Life, Times, and Persistent Puzzles of Comets**

**Risks Posed by Comets and Asteroids**



### ANCIENT ASTRONOMY

Speaker: John Steele, Ph.D.

**Astronomy in Ancient Babylon**

**Ancient Greek Astronomy**

**The Antikythera Mechanism: An Ancient Mechanical Universe**  
**Eclipses in History**



### PALEONTOLOGY

Speaker: Michael J. Benton, Ph.D.

**The Life and Times of the Dinosaurs**  
**Origins and Extinctions**

**Origins of Modern Biodiversity**

**The Dinosaurs of Eastern Europe and the Mediterranean**



### EVOLUTION

Speaker: Mohamed Noor, Ph.D.

**What is "Evolution" Anyway and Why Should I Care?**

**On the Origin of Species, Really**  
**Genetics, Genomics, and You: Don't Fear Your Genotype!**

**Life in the US Academic Sciences**



### GEOLOGY

Speaker: Michael Wysession, Ph.D.

**Changing Climates, the Black Sea Flood, and the Rise of Civilization**

**Santorini and the History of Megatsunamis**

**The Eruption of Vesuvius and the Impact of Volcanoes**

**Fermi's Paradox and the Likelihood of Finding Another Earth**

CST# 2065380-40

### DRACONID METEOR SHOWER

"Every year around Oct. 8th, Earth passes through a minefield of dusty debris from Comet Giacobini-Zinner, source of the annual Draconid meteor shower. On Oct. 8, 2011, Earth will have a near head-on collision with a tangle of dust, setting off a strong outburst of as many as 750 meteors per hour. People in Europe, Africa and the Middle East will have a front-row seat for what could be the strongest shower since the Leonid storms a decade ago." From SpaceWeather.com.

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