

FROM THE ORIGIN OF THE UNIVERSE TO ACCRETION BY BLACK HOLES



A PUBLIC SYMPOSIUM IN HONOR OF **RASHID SUNYAEV**

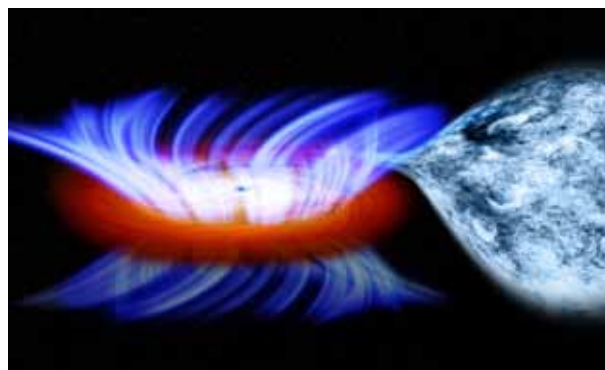
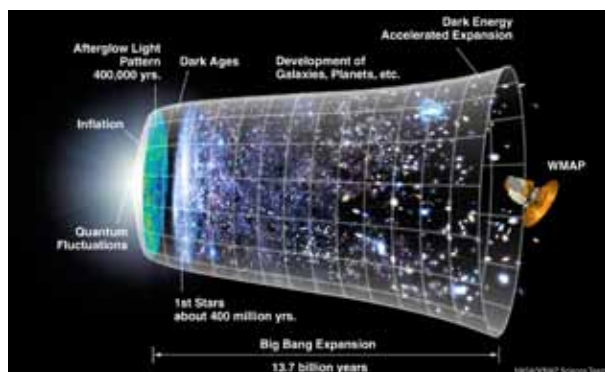
Recipient of the 2012 Benjamin Franklin Medal in Physics

Wednesday, April 25, 2012

1:30 pm to 3:30 pm

Villanova University

Connelly Center Cinema



Opening Remarks

R.KELMAN WIEDER, PhD
Associate Dean, Sciences
Villanova University

FREDERIC M.N. BERTLEY, PhD
Vice-President, Science
and Innovation
The Franklin Institute

EDWARD M. SION, PhD
Professor of Astronomy
and Astrophysics
Villanova University

Speakers

MARK BIRKINSHAW, PhD
University of Bristol
United Kingdom

MARIO LIVIO, PhD
Space Telescope Science Institute
USA

RASHID SUNYAEV, DSC
Director
Max Planck Institute
für Astrophysik, Garching
Russian Academy of Sciences,
Moscow

To find directions and a printable campus map please go to:
villanova.edu/services/conferenceservices/directions.htm

Refreshments will be served.

Awards Week is generously underwritten by
Mrs. Frank Baldino, Jr.

This event is presented as part of
The Philadelphia Science Festival



The Franklin Institute Awards Week and the
Philadelphia Science Festival are organized by



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UNIVERSITY**

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and Sciences