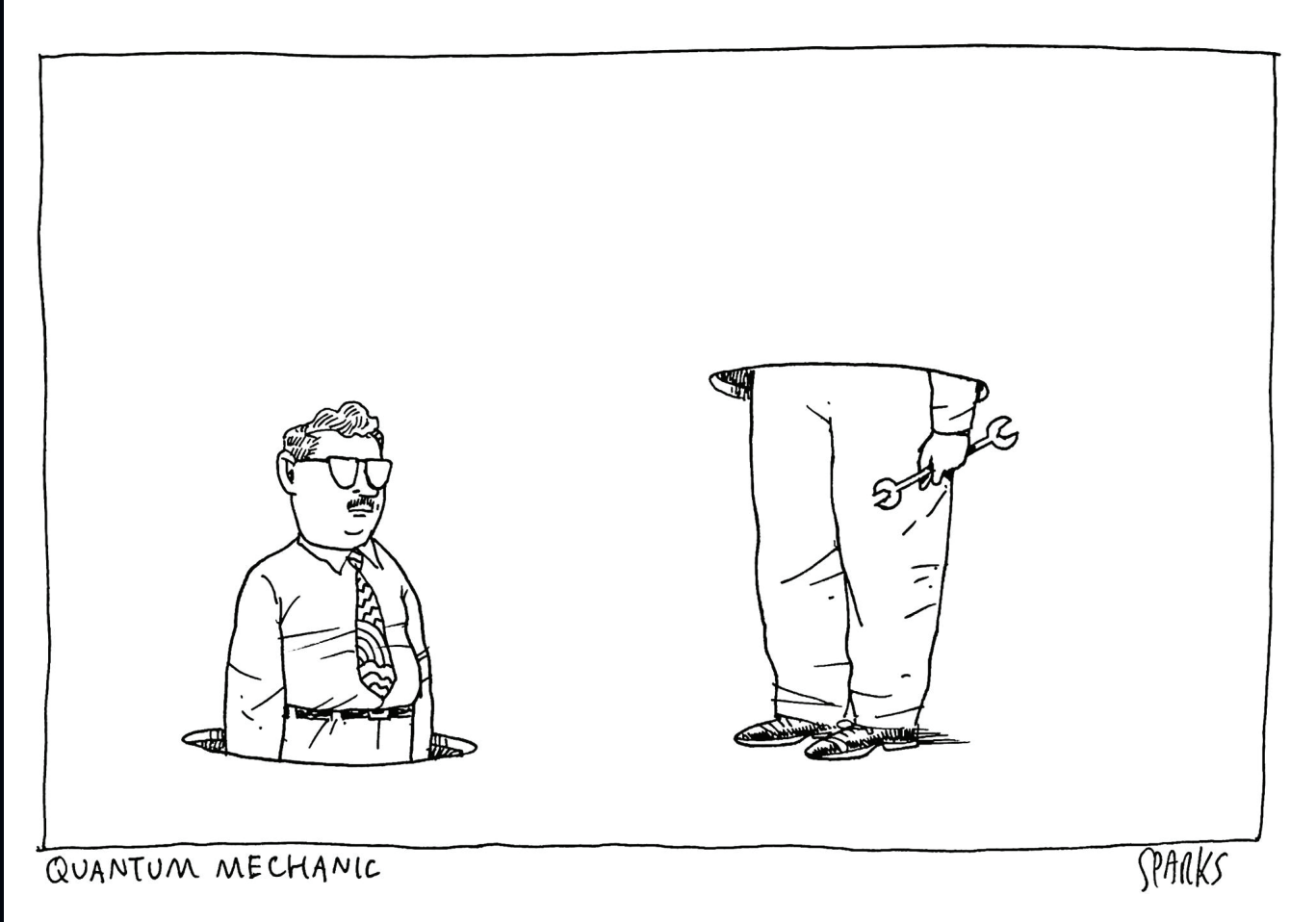
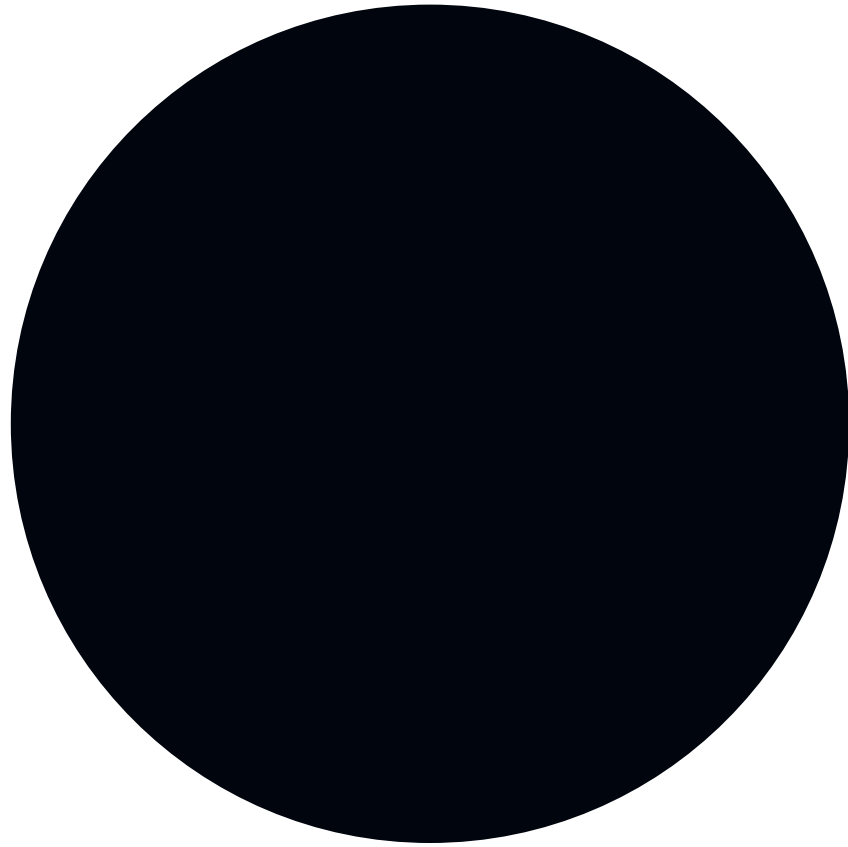


Introduction to
**visualizing
science
and data**

**Michael
Mrak**

**SCIENTIFIC
AMERICAN**

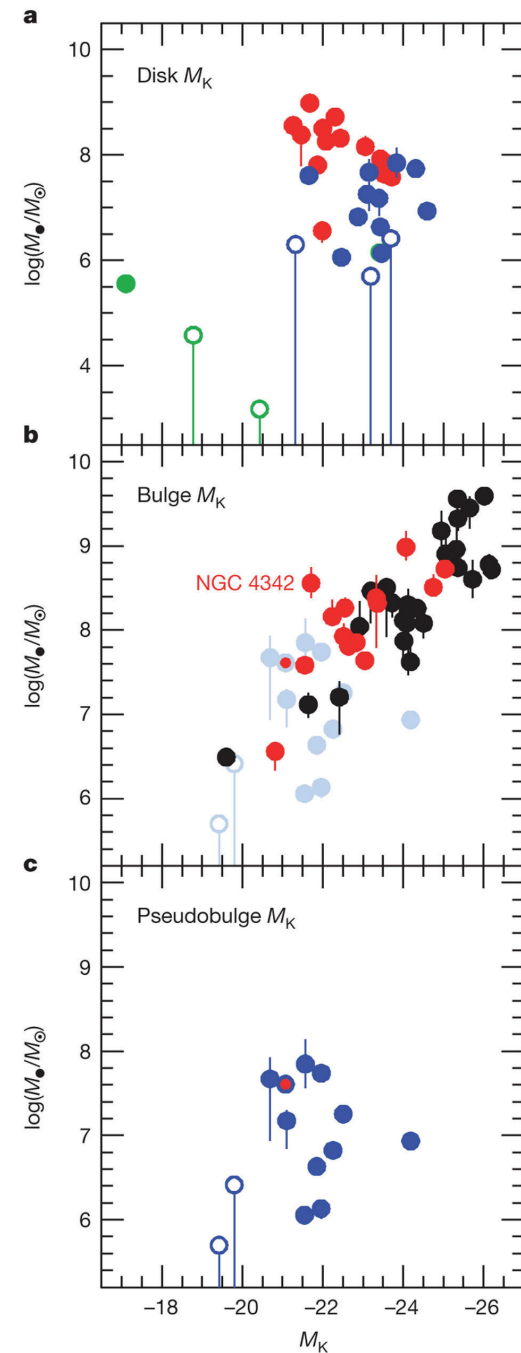




A large, solid black circle is centered on a white background. Inside the circle, the words "Black Hole" are written in a bold, white, sans-serif font.

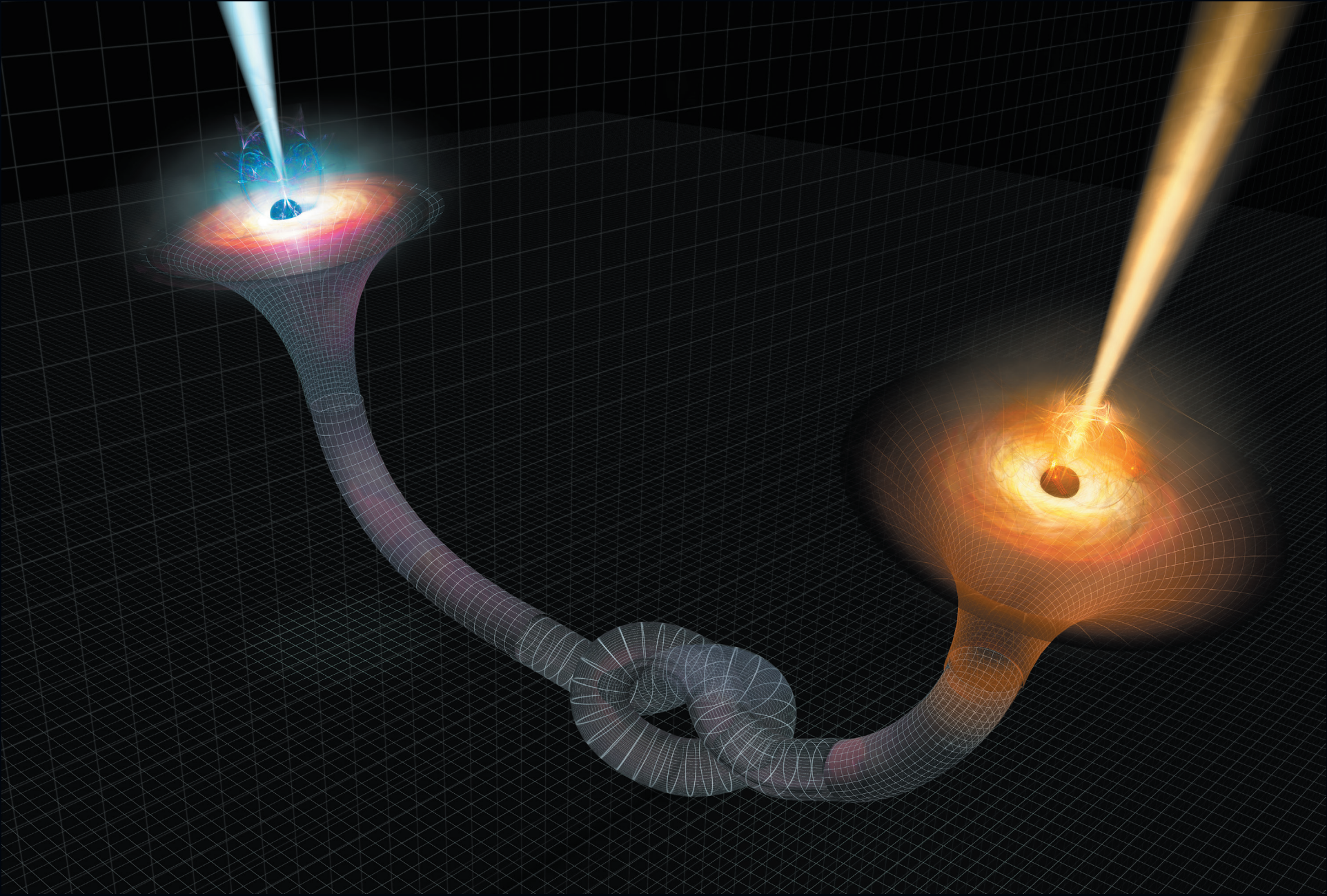
Black Hole

Correlations of dynamically measured black-hole masses with the luminosities of different parts of their host galaxies.



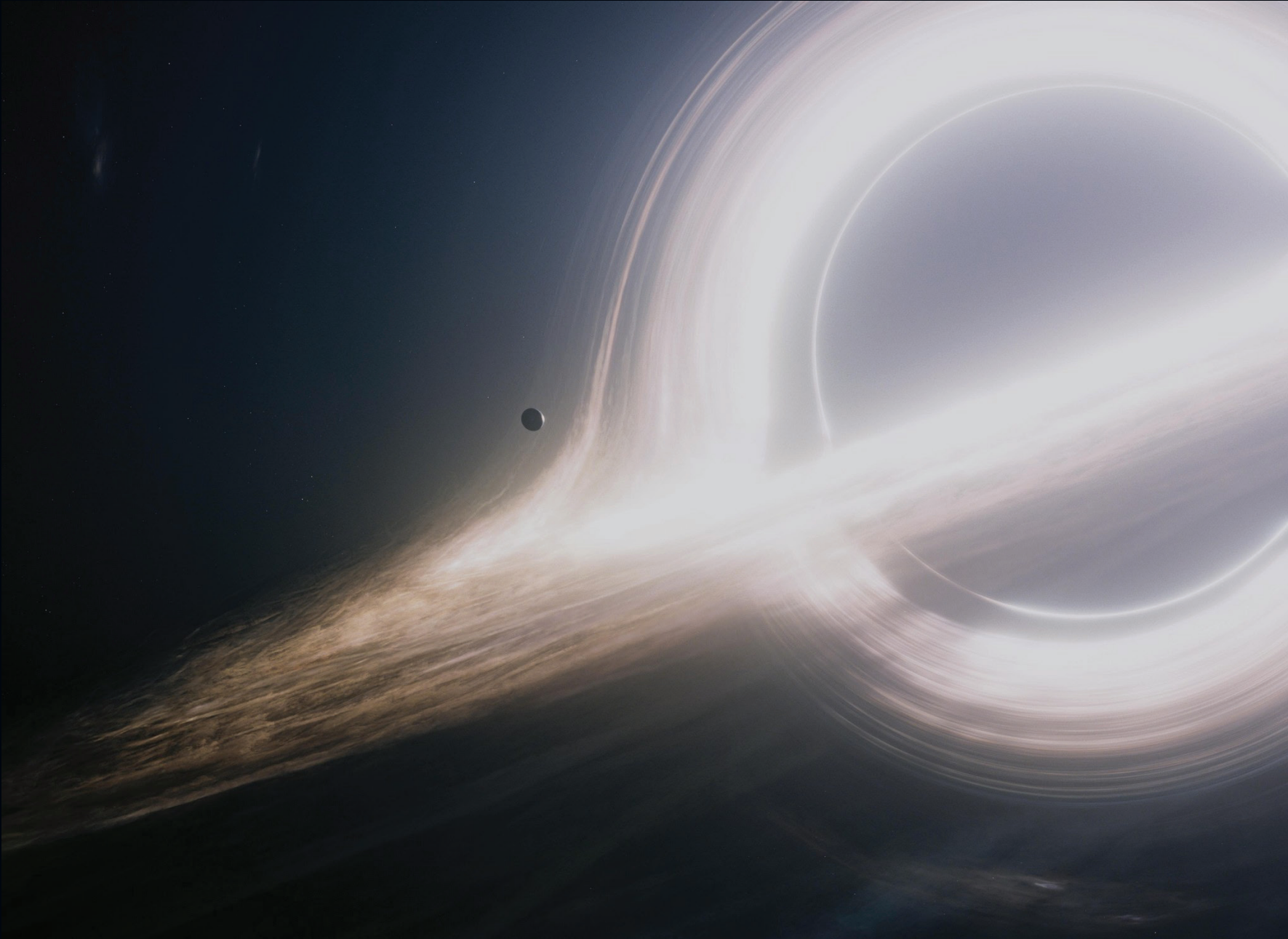
Credit: Nature by Kormendy, Bender and Cornell

Entangled Black Holes



Credit: Moonrunner Design, Malcolm Godwin

Gargantua from *Interstellar*



Credit: Paramount Pictures/Warner Bros.

Black hole at the center of galaxy M87



Credit: Event Horizon Telescope Collaboration |

**Nicoletta
Barolini**

Art Director

Columbia University,
Office of
Communications
and Public Affairs

**Jennifer
Christiansen**

Graphics Editor

Scientific American

Kelly Krause

Creative Director

Nature and *Nature* journals

Alissa Park

**Director of Lenfest Center
for Sustainable Energy**

Columbia University,
The Earth Institute and the
Department of Earth and
Environmental Engineering,
and Department of
Chemical Engineering

Thank you