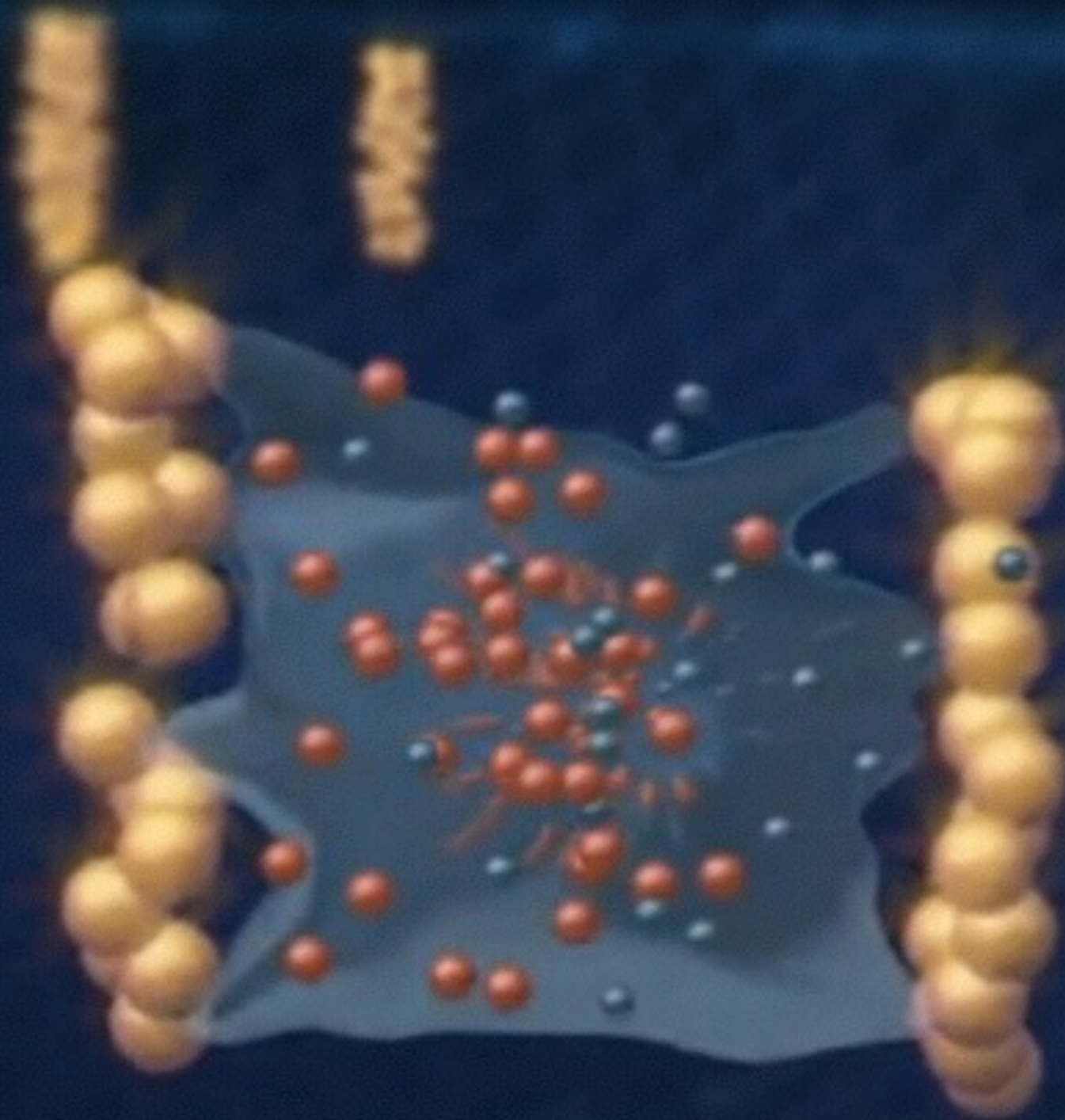


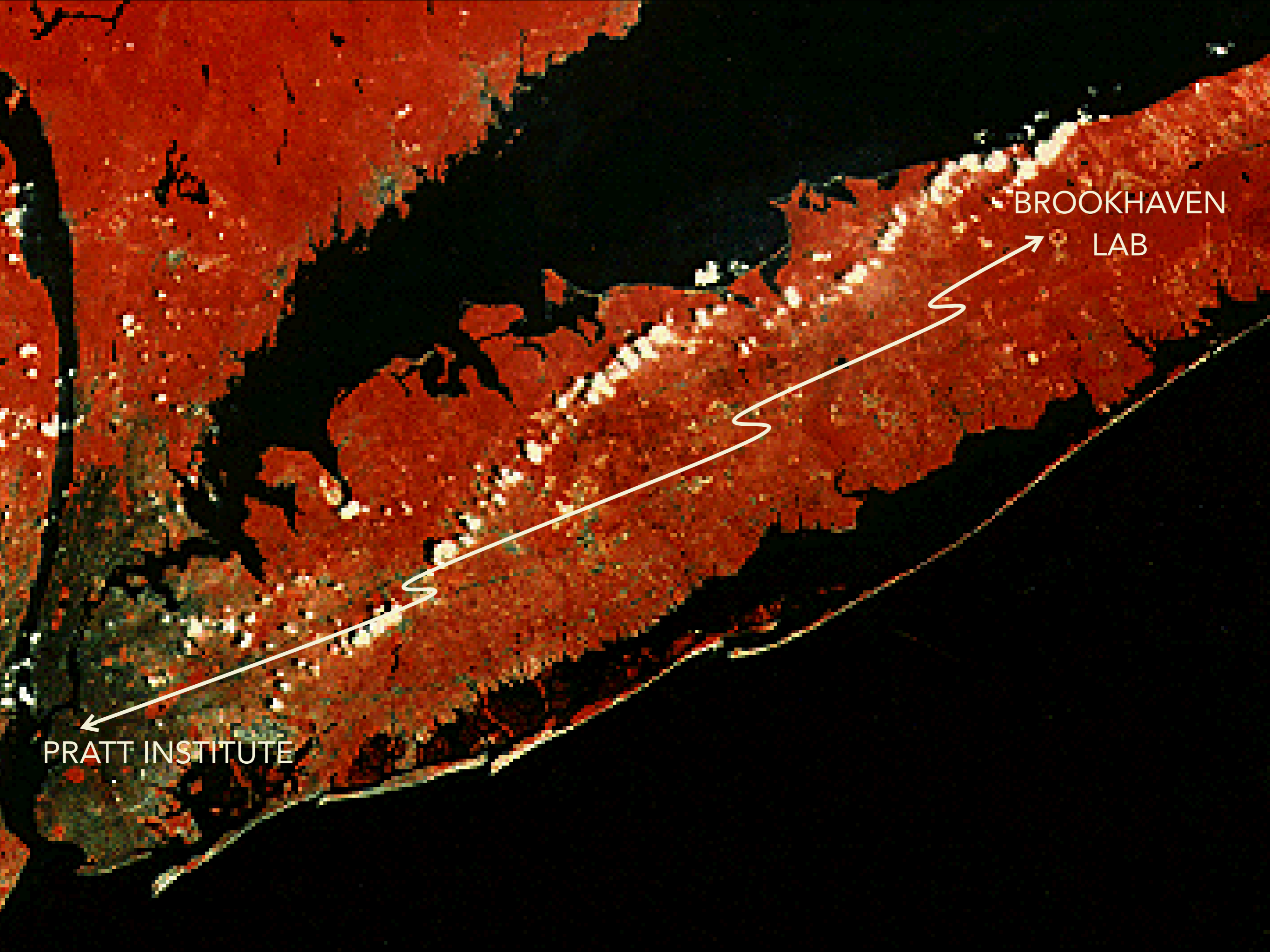
NED 2015, SICILY, ITALY. SEPTEMBER 2, 2015

ÁGNES MÓCSY

UNEXPECTED UNIONS

- A PHYSICIST FINDING EQUILIBRIUM
BETWEEN SCIENCE, DESIGN, ART -





PRATT INSTITUTE

BROOKHAVEN
LAB

PRATT INSTITUTE



ICONIC ARCHITECTURE
PRATT GRADUATES



ICONIC DESIGNS PRATT GRADUATES



ICONIC ANIMATIONS PRATT GRADUATES



ALUMNUS DAVID SHIRK AWARDED OSCAR FOR BEST VISUAL EFFECTS IN GRAVITY



L-R: Chris Lawrence, David Shirk, and Neil Corbould pose in the press room during the Oscars at Loews Hollywood Hotel on March 2, 2014.

David Shirk, a senior animation adviser on the 2013 film *Gravity*, won the Oscar for "Best Visual Effects" at the Academy Awards Ceremony held March 2.

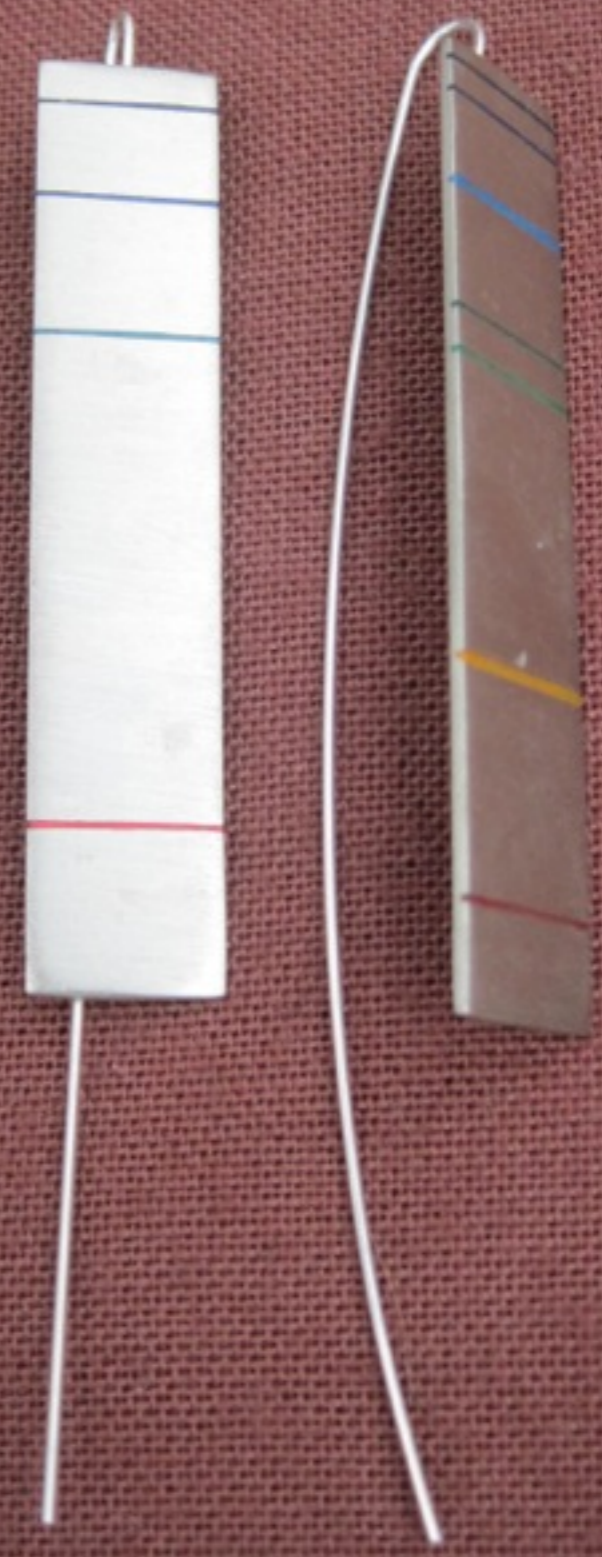
Shirk, originally from Lancaster, Pennsylvania, received a dual B.F.A. in Illustration and Film at Pratt in 1989,

WHY THIS ROAD?

- Bring physics to a wide non-traditional audience
- Inspire artists, designers, the public
- Explore the science-art/design fusion
gain for students, gain for physicists, gain for public
- Communicate the science
Expose the process of science
benefit for society

PHYSICS IS ACCESSIBLE IF WE MAKE IT ACCESSIBLE

ASHLEY LANDON
SPECTROSCOPY EARRINGS 2010



RUBY GERTZ "SHIFT" DRESS 2011



SABRINA CONTRATTI GALACTIC SPACE SHOES 2011



DALITZA BABILONIA

COSMOS CREATION COLLECTION

2011



LAUREN MOSELEY STELLAR FORMATION COLLECTION 2015



REBECCA TRAVIS YOUR OWN STAR CLUSTER 2014



ANJALI CHANDRASHEKAR MOON PLATES 2015



ANJALI CHANDRASHEKAR MOON PLATES 2015



JI HYUN CHONG GALAXY BLOSSOM 2015



KAYLA FERRANTE FOR DRAKE'S SAKE 2010



"FOR DRAKE'S SAKE"

about



EVA JENSEN
MODELS OF THE ATOM 2009



MICHAEL RISO

A PHOTOGRAPHIC STUDY:
REFLECTION AND REFRACTION



KAVON JOHNSON OUR PLACE IN THE UNIVERSE 2014



KAVON JOHNSON MISSION TO MARS 2015



LILY OLSEN-ECKER

ASTRONOMICAL COCKTAILS

2015

<http://www.agnesmocsy.com/#!student-projects/c84v>

APRIL MAXEY ARE YOU AFRAID OF THE DARK? 2010

**Are You Afraid
of the Dark?**

by April Maxey

WATCH THE ANIMATION:

<http://www.agnesmocsy.com/#!student-projects/c84v>

THE LITTLE BIG BANG MACHINE

THE WOW FACTORY



WELCOME TO RHIC



WELCOME TO RHIC

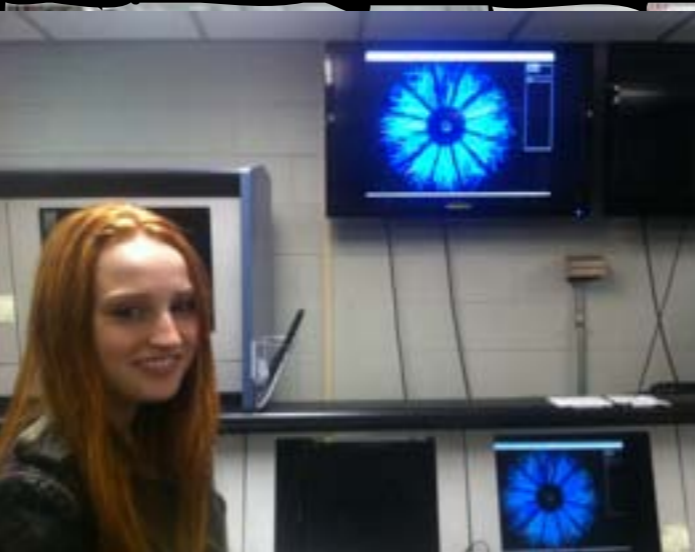


WELCOME TO RHIC

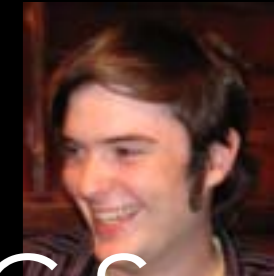


WELCOME TO RHIC

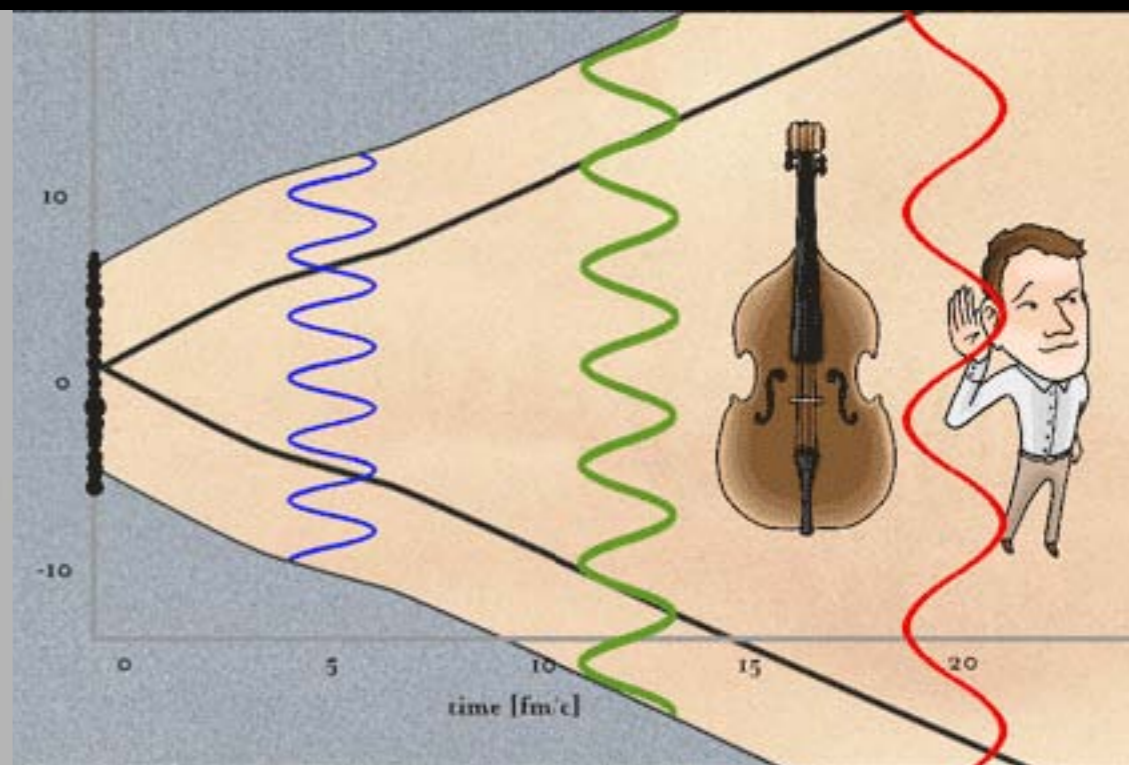




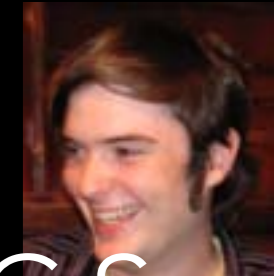
ALEXANDER DOIG 2010



THE SOUND OF THE LITTLE BANGS



ALEXANDER DOIG 2010



THE SOUND OF THE LITTLE BANGS

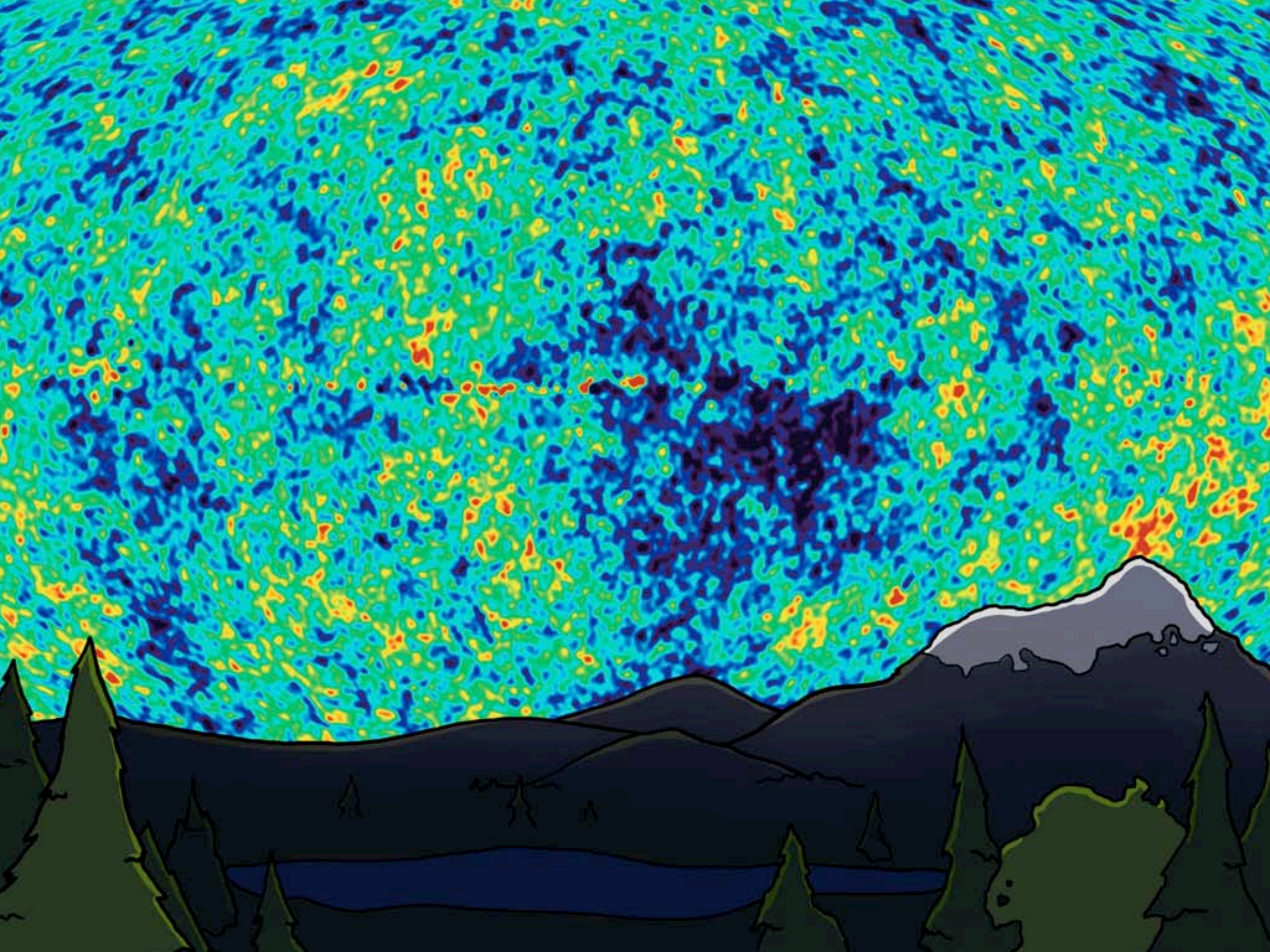
www.soundofthelittlebang.com



Ágnes Mócsy (Pratt Institute)
Paul Sorensen (Brookhaven Lab)
Alexander Doig (Pratt Institute)



ALEX 2016



SARAH SZABO 2014

GLAMOROUS GLUONS



SARAH SZABO 2014

GLAMOROUS GLUONS



SARAH SZABO 2014

GLAMOROUS GLUONS



RAINE MANLEY ROBERTSON 2012

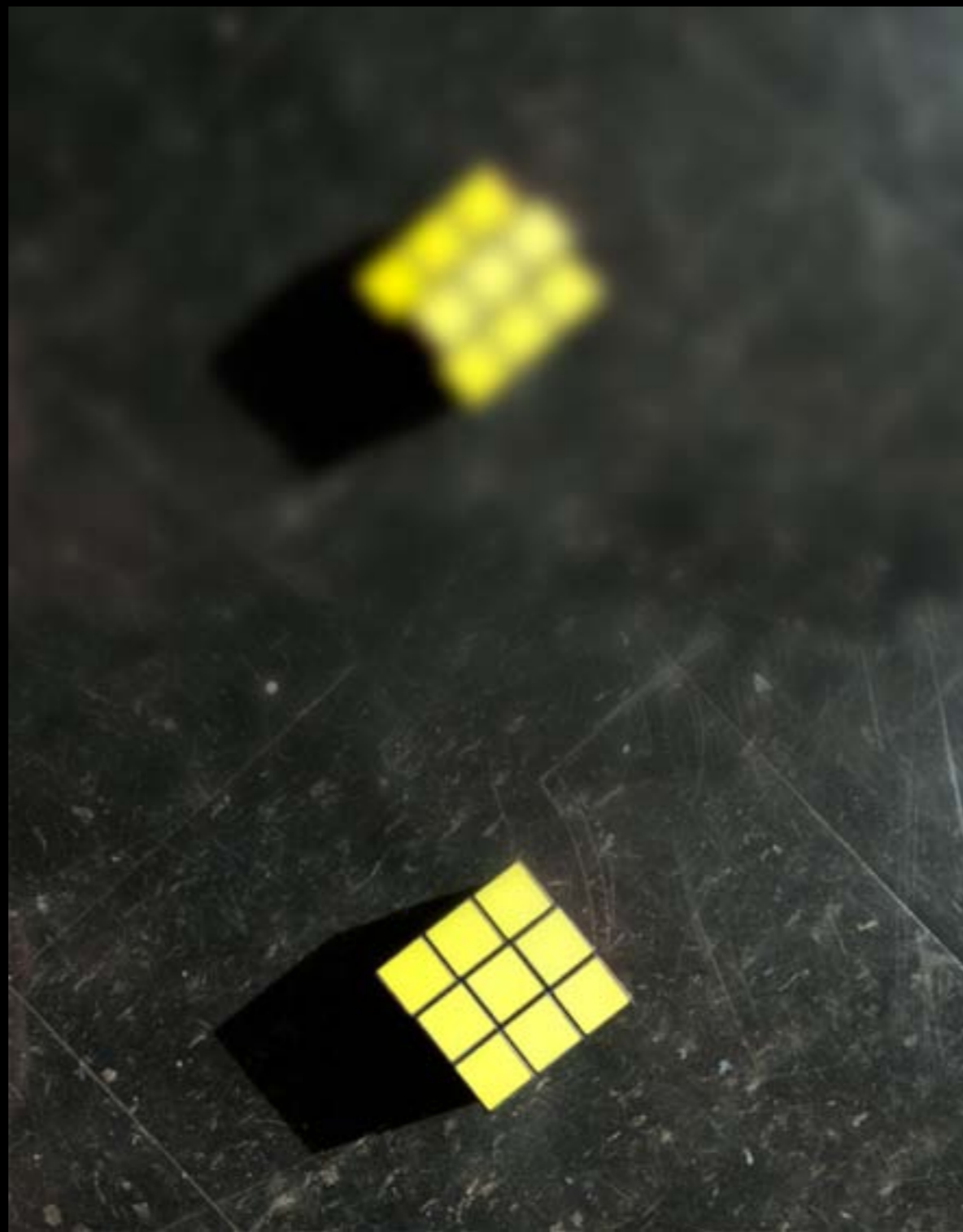
EXOPLANET DETECTION



RAINE MANLEY ROBERTSON 2012



WHAT IS ADAPTIVE OPTICS?

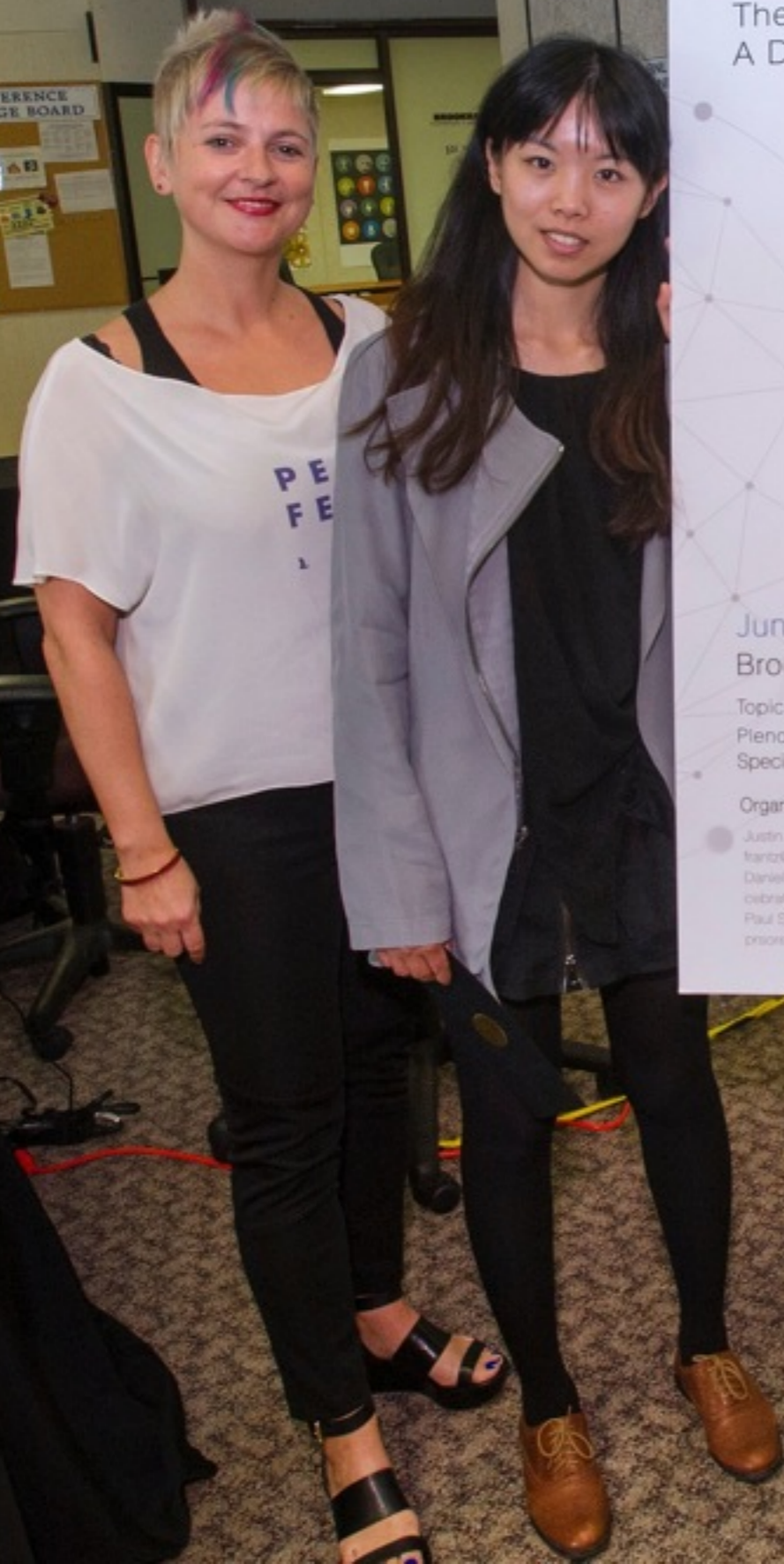


ALEXANDRA BORELLI 2015

COSMOS KIDS

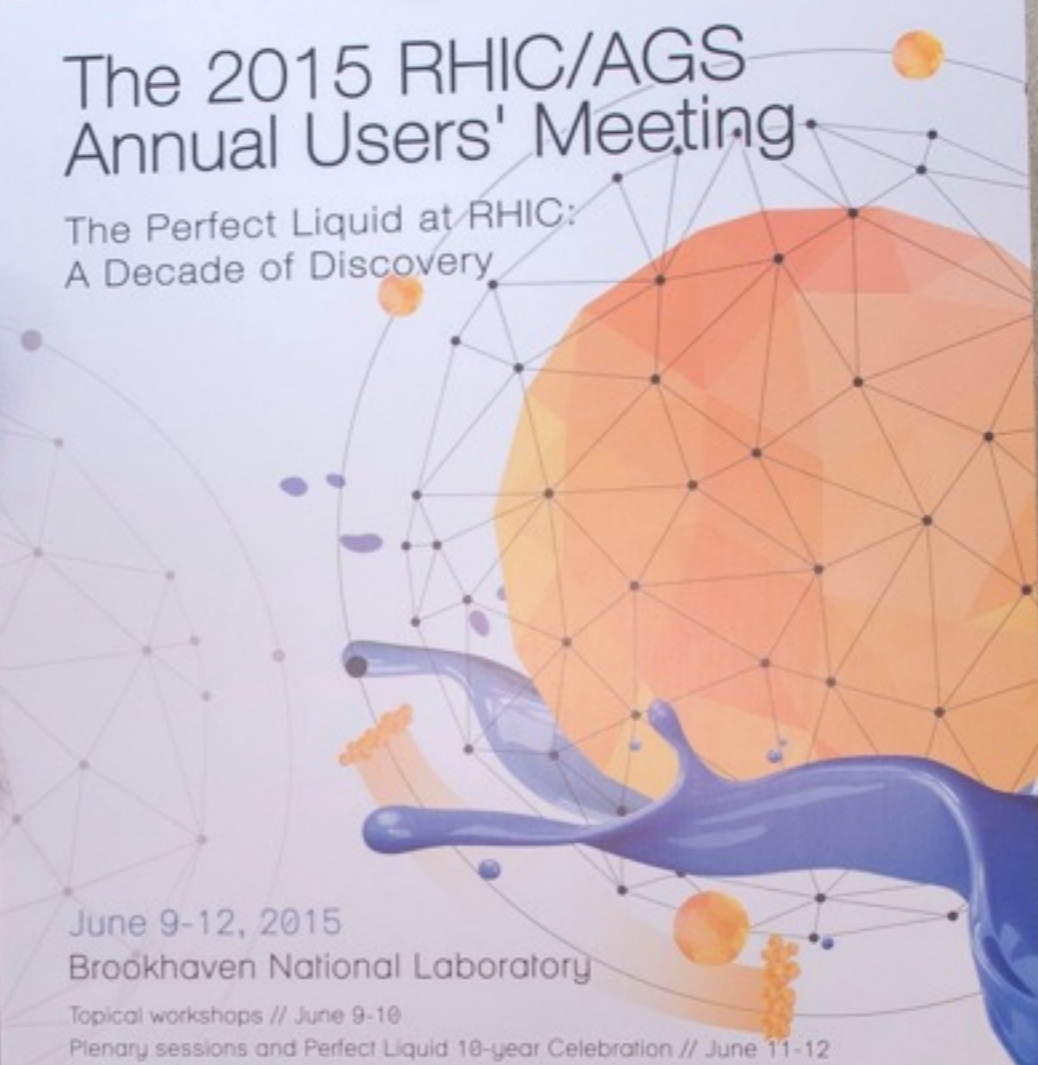


CHENXIN YANG 2015



The 2015 RHIC/AGS Annual Users' Meeting

The Perfect Liquid at RHIC: A Decade of Discovery



June 9-12, 2015
Brookhaven National Laboratory

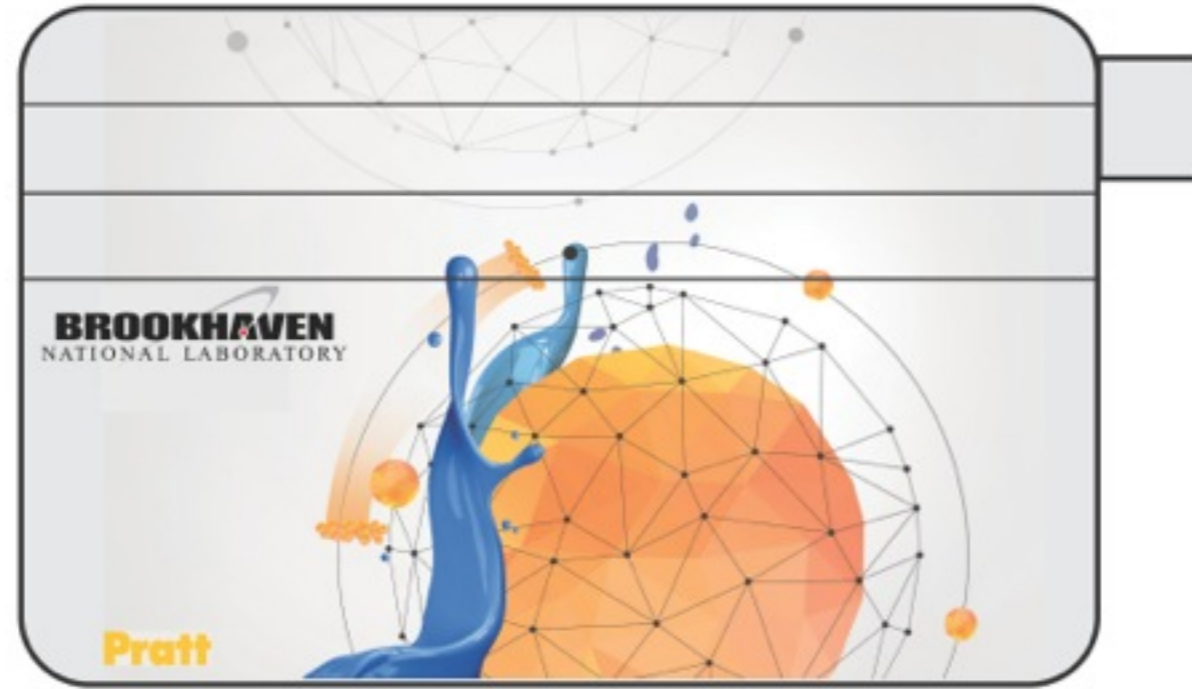
Topical workshops // June 9-10
Plenary sessions and Perfect Liquid 10-year Celebration // June 11-12
Special guest speaker AAAS Chief Executive Officer and former Congressman Rush Holt

Organizing Committee	Conference Coordinator
Justin Frantz frantz@ohio.edu	Kelly Guifreda guifreda@bnl.gov
Daniel Cebra cebra@nuclear.ucdavis.edu	
Paul Sorenson psorenson@bnl.gov	

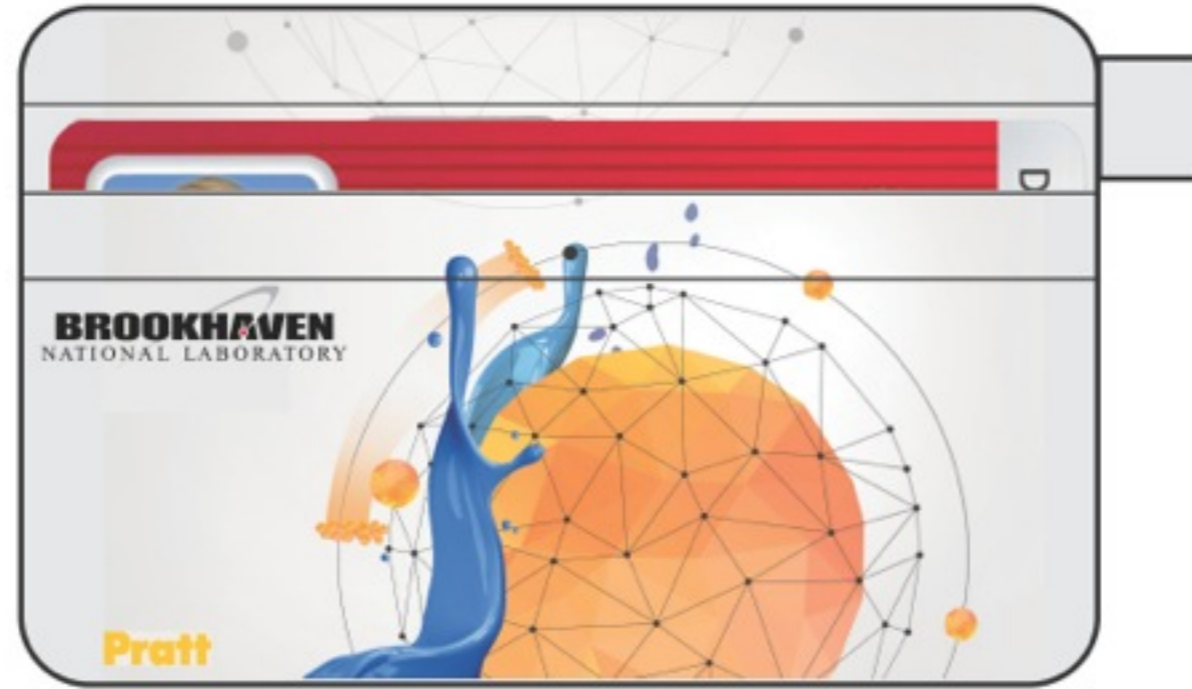
Register at www.bnl.gov/aum2015
Poster designed by Chenxin Yang **Pratt**

BROOKHAVEN
NATIONAL LABORATORY
RHIC/AGS USERS' CENTER

KAIJING WU PERFECT LIQUID COLLECTION 2015



KAIJING WU PERFECT LIQUID COLLECTION 2015



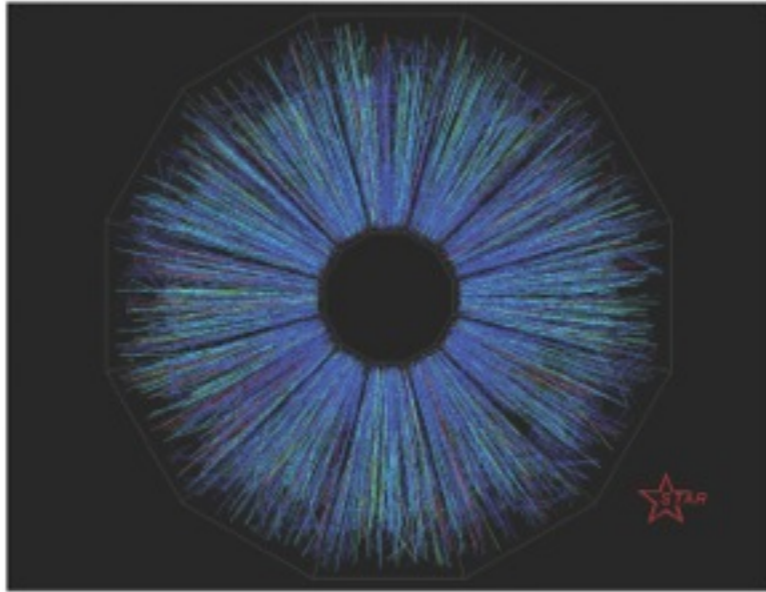
KAIJING WU PERFECT LIQUID COLLECTION 2015



GAO-MOCSY-WU PERFECT LIQUID SHIRT 2015



KAIJING WU THE LITTLE BANG HAT 2015



WHY SHOULD YOU CARE?

WHAT GOOD IS THIS TO A RESEARCHER?

WITH A PHYSICS DEGREE ...



WHY DO WE NEED TO COMMUNICATE?

CARL WIEMAN - CHAIR OF SCIENCE ED. AT NAS, NOBEL 2001 FAILING TO COMMUNICATE WELL



The screenshot shows the American Physical Society (APS) website. The top navigation bar includes links for 'American Physical Society Sites', 'APS', 'Journals', 'PhysicsCentral', and 'Physics'. Below this is a search bar and links for 'Login', 'Become a Member', and 'Contact Us'. The main navigation menu includes 'Publications', 'Meetings & Events', 'Programs', 'Membership', 'Policy & Advocacy', 'Careers in Physics', and 'About APS'. The 'Publications' section is expanded, showing 'Journals', 'APS News', 'Physics Today', and 'Reciprocal Society Newsletters'. The article 'The Back Page' is highlighted, with a sub-header 'The "Curse of Knowledge," or Why Intuition About Teaching Often Fails' by Carl Wieman. The article text discusses the 'curse of knowledge' in science education, and a portrait of Carl Wieman is shown on the right.

“consistently measured that student beliefs about the nature of physics, how it is learned and used, and how physics knowledge is established, on average, become less like those of a scientist after completing typical introductory college physics courses”

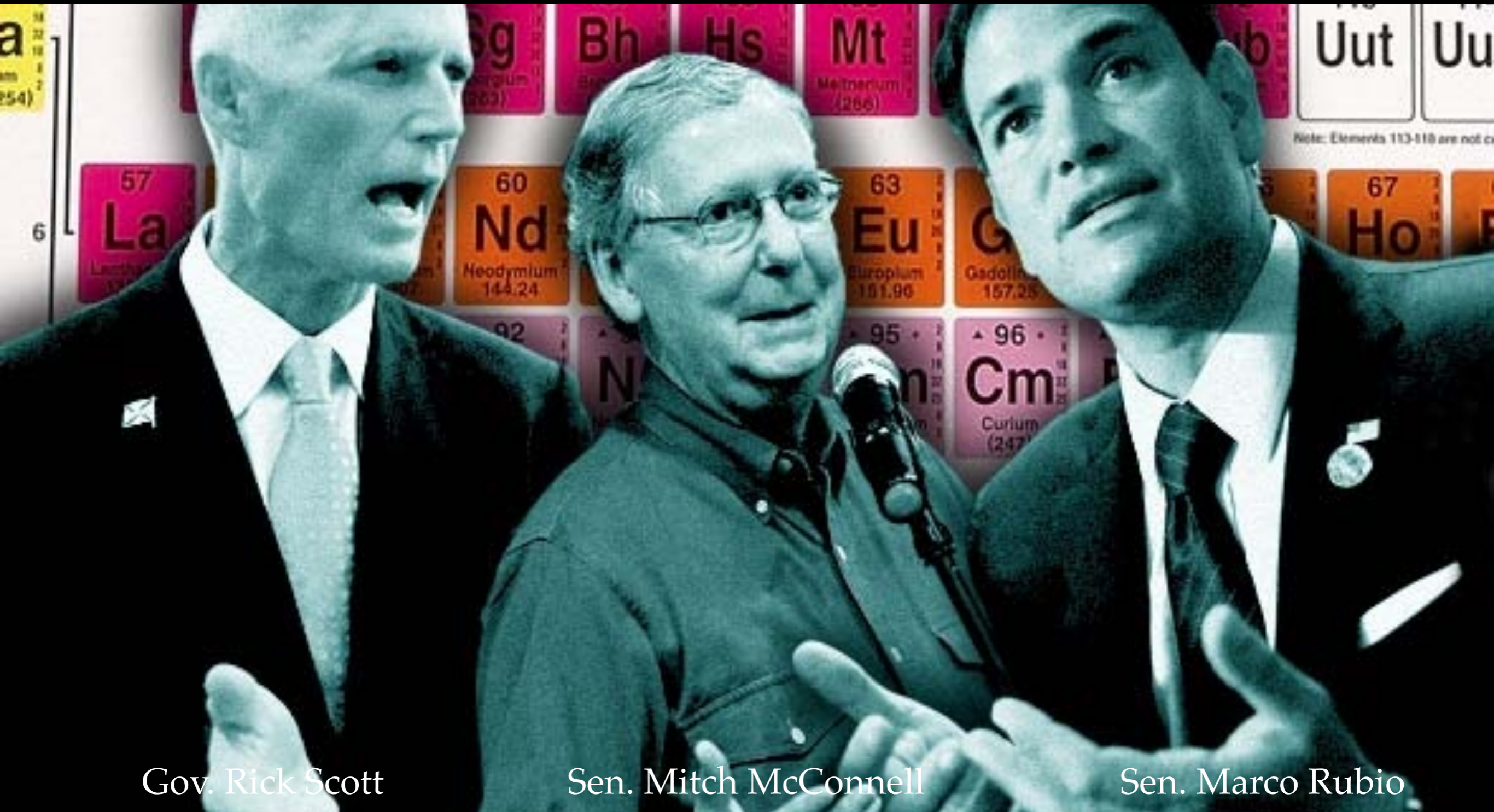
CARL WIEMAN - CHAIR OF SCIENCE ED. AT NAS, NOBEL 2001
FAILING TO COMMUNICATE WELL

"our physics courses are actually teaching many students that physics knowledge is just the claim of an arbitrary authority, that physics does not apply to anything outside the classroom, and that physics problem solving is just about memorizing answers to irrelevant problems."



"I'M NOT A SCIENTIST"

ANTI-SCIENCE SENTIMENT



Gov. Rick Scott

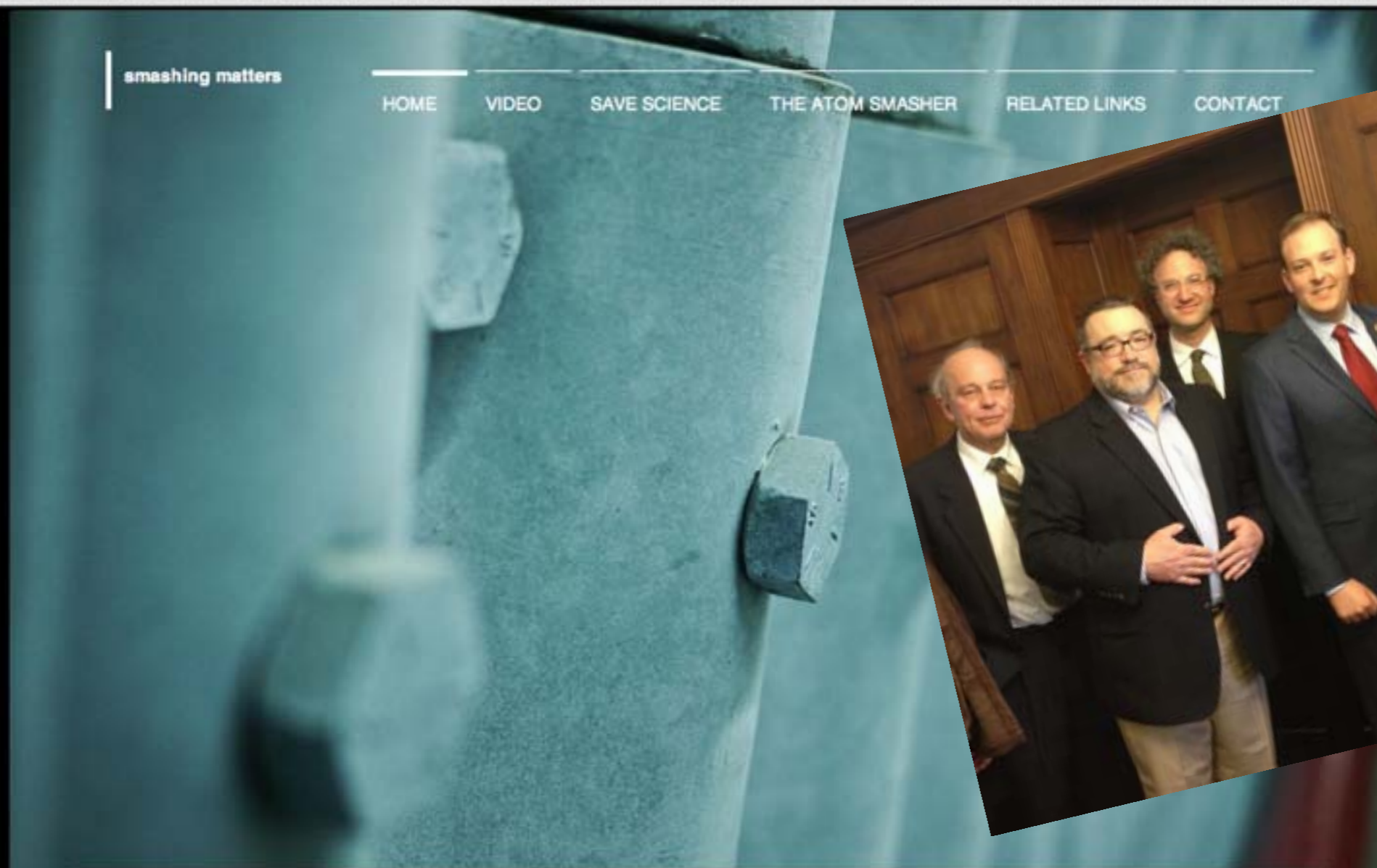
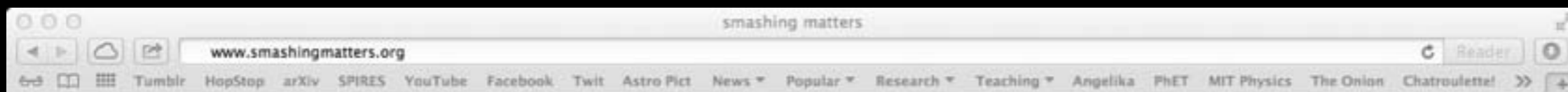
Sen. Mitch McConnell

Sen. Marco Rubio

SCIENCE ADVOCACY SITE AND OP-DOC

SMASHING MATTERS

www.smashingmatters.org



He who can no longer pause to wonder and stand rapt in awe, is as good as dead; his eyes are closed.
-Albert Einstein

PUBSCI: SCIENCE CONVERSATIONS

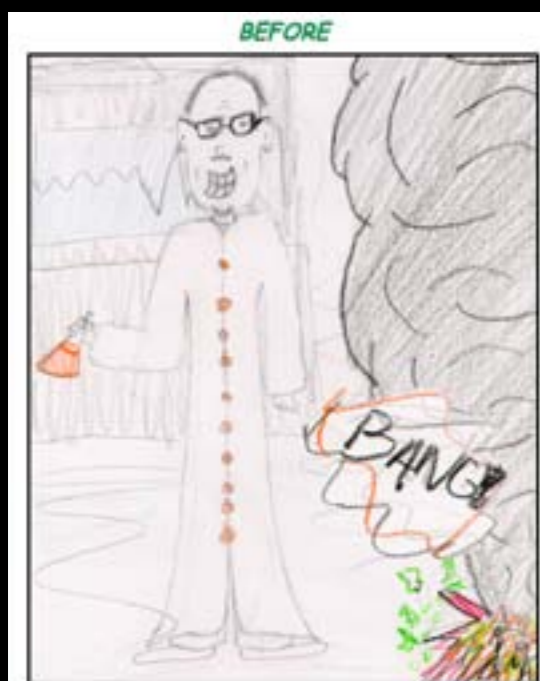


SCIENCE CONVERSATIONS



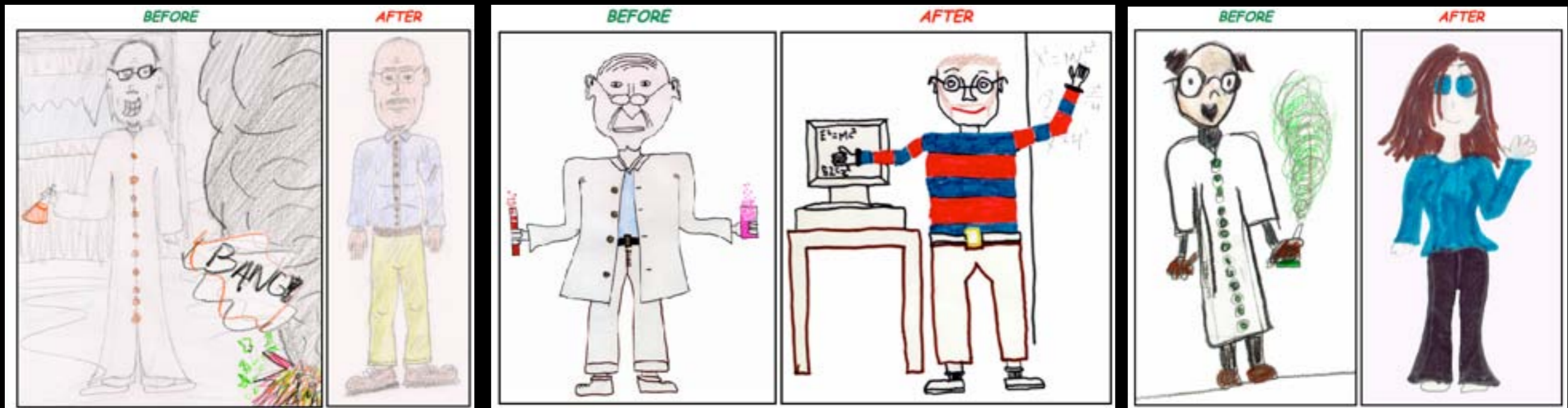
CHANGE PERCEPTIONS

REDUCE STEREOTYPES



CHANGE PERCEPTIONS

REDUCE STEREOTYPES



WHO WOULD YOU RATHER BE (WITH) PENNY OR AMY



the **BIG BANG** THEORY

JC PENNEY 2011

"IM TOO PRETTY TO DO
HOMEWORK" SHIRT



AZURE MCBRIDE A STAR IS BORN 2014



WATCH THE SHORT FILM:

<http://www.agnesmocsy.com/#!student-projects/c84v>

Thank You



**** the end ****