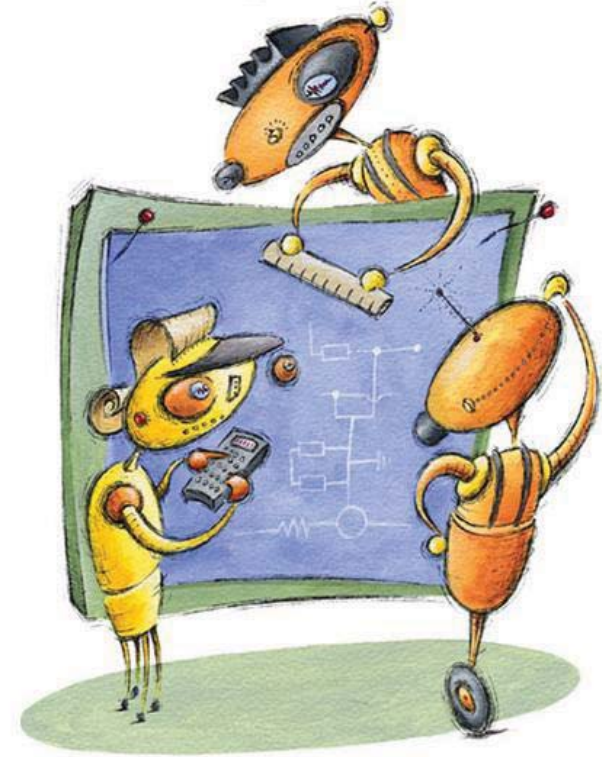




MathWorks is a proud sponsor of the MIT Science Trivia Challenge and wishes the teams good luck!



SCIENCE TRIVIA CHALLENGE!



Wednesday, April 20, 2016

Broad Institute of MIT & Harvard

@MITtrivia Live Tweet using #MITtrivia16

Sponsored By



web.mit.edu/trivia

High School Division - Round A

		Table
Nematocyst	Newton North Science Team	1
CS Alpha	Commonwealth School	2
KP Warriors	King Philip Regional High School	3
Montrose Rare Metals	Montrose School	4
Mystic Valley Regional Charter School	Mystic Valley Regional Charter School	5
Lily and the Meerkats	Groton School	6
CSF Teen Advisory Board	Cambridge Science Festival Teen Advisory Board	7
The Shrewsbury Squad	Shrewsbury High School	8
Warriors	Andover High School	9

High School Division - Round B

		Table
Pneumatocyst	Newton North Science Team	1
CS Beta	Commonwealth School	2
Montrose Natural Selections	Montrose School	3
The Brainy Bunch	Menino Community Center	4
DIVersity	North Andover	5
plaid & plain but not without the BRAIN	Canton High School	6
Grover Clevelands	Melrose	7
The Clarksters	Clark School	8
Her Deepness Sylvia Earle	Newton South High School	9

Middle School Division

		Table
Smarticle Particles	King Philip Middle School	1
NAMS	North Andover Middle School	2
Sippican	Sippican School 6th Grade	3
Everett Science Guys	Everett, MA	4
The Ambitious Bees	Nord Anglia Education	5
Curious Keen	Curious Science & Learning - Chelmsford	6
Acton STEM	RJ Grey Junior High, Acton	7
ScienceForFun	ScienceForFun	8
Nano-Know-It-Alls	King Philip Middle School	9

General Rules

- This competition is for fun, so NO CHEATING!
- No outside references are allowed, including books, cheat sheets, informative t-shirts, computers, handheld devices, etc. Pencils, pens and blank paper are allowed and are provided.
- Team members may confer within their team on each question, but neither team members nor audience members are allowed to shout out answers or offer any other distractions while teams are considering questions.

SCIENCE TRIVIA CHALLENGE!

Thanks to all of our volunteers!

COMMITTEE MEMBERS & VOLUNTEERS: Bob Ferrara (MIT '67), Co-Chair; John McGoldrick (MIT '73), Co-Chair; Alisha Weight (PhD '13), Co-Chair; Bonny Kellermann (MIT '72), Co-Chair; Meghan Jendrysik (MIT '97) Co-Chair Adrienne Baker (MIT '81), Laura Bergemann (MIT '19), Brian Bronk (PhD '95), Dianne Bronk, Karl Critz (MIT '96, SM '97, SM '12), Catherine Cooper (MIT '00), Chris Dippel (MIT '75), Orville Dodson (MIT '68), Johanna Dwyer (MIT MBA '97), Ngozi Eze (MIT '05), Stephen Friedenthal (MIT '92, SM '06), Rachel Gesserman, Andre Kelly (MIT '00), Jacky McGoldrick, Jennifer Lam, Peg LeGendre, Robert Majovski, Dennis Rivera (MIT '99, MBA '09), Chris Santos (MIT '74), Jean Santos, Brian Saper, Bob Schwartz (MIT '58)

QUESTION CONTRIBUTORS: Maria Denaro, Chris Dippel* (MIT '75), Meghan Jendrysik (MIT '97), Bob Karash, Bonny Kellerman (MIT '72), Jacky McGoldrick, John McGoldrick* (MIT '73), MIT Club of Oregon and SW Washington, MIT Club of Rhode Island, MIT Club of Western New York, Jim Papadopoulos, Katherine Roe* (MIT '15), Jeff Roberts (MIT '02), Alex Rosen* (MIT '94), Gautam Tiwari*, Ben Tolkin, Denise Wells, Alisha Weight* (MIT '13)

*These contributors also served as question editors.

Interested in helping next year?
Do you have questions to contribute?

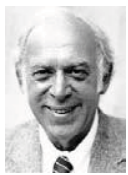
Contact us at:
sciencetrivia@mit.edu
or web.mit.edu/trivia

Like us on Facebook to see/add photos from tonight at
<http://www.facebook.com/MITtrivia>

Prizes

Everyone here is a winner. Thank you for participating! **All participants** receive a Mathworks certificate of participation, a Cambridge Science Festival bag, a pass to the Museum of Science, The Discovery Museums of Acton, MA, The MIT Museum and a gift from Cell Press. The **Middle School Runner-Up** team members will each receive an MIT sweatshirt from the MIT Coop. The **High School Silver Runner-up** team members will each receive a T-shirt from the Broad Institute. The **High School Gold Runner-Up** team members will each receive an MIT sweatshirt from the MIT Coop. The **Middle School and High School Gold and High School Silver** winning teams will each dine with one of our Nobel Laureates.

Thank you to our Nobel Laureates



Jerome Friedman, MIT Professor of Physics
1990 Nobel Prize Winner "For pioneering investigations concerning deep inelastic scattering of electrons on protons and bound neutrons, which have been of essential importance for the development of the quark model in particle physics"



Wolfgang Ketterle, MIT Professor of Physics
2001 Nobel Prize Winner "For the achievement of Bose-Einstein condensation in dilute gases of alkali atoms, and for early fundamental studies of the properties of the condensates"



Richard Royce Schrock, MIT Professor of Chemistry
2005 Nobel Prize Winner "For the development of the metathesis method in organic synthesis"

Thank you to our Prize Sponsors!

Museum of Science, Boston, MA
The Discovery Museums of Acton
The MIT Museum
The MIT COOP
Cell Press
The Broad Institute

SCIENCE TRIVIA CHALLENGE!

5:00 PM - 6:00 PM	Lobby Registration & Meet the Scientists
6:00 PM - 6:05 PM	Welcome
6:05 PM - 6:30 PM	High School Round A
6:30 PM - 6:55 PM	High School Round B
6:55 PM - 7:00 PM	Intermission
7:00 PM - 7:05 PM	A Word from our Sponsor, Mathworks
7:05 PM - 7:50 PM	Middle School Round
7:50 PM - 7:55 PM	Intermission
7:55 PM - 8:20 PM	High School Silver Final Round
8:20 PM - 8:45 PM	High School Gold Final Round
8:45 PM - 9:00 PM	Awards Ceremony



Our Moderator

Michael Short

Prof. Michael Short joined the faculty in the Department of Nuclear Science and Engineering in July, 2013, just the latest stop in what can be described as a lifetime in/around MIT. He was born in Brookline, grew up in Swampscott, and started coming to MIT in high school on weekends for the HSSP enrichment program. He signed on as an undergraduate researcher (UROP) in nuclear materials, and never left either the field or the school. Now, as an assistant professor, he studies and teaches about the nature and effects of radiation damage on materials for nuclear energy. He also teaches the Introduction to Nuclear Physics course, where this year students burned 1,000 bananas to concentrate the Potassium-40 (a naturally occurring radioactive isotope), and measured their radioactivity at the MIT nuclear reactor laboratory.



“Interdisciplinary work is where the fun stuff is; it’s where you get to work on challenges that many people consider too difficult, or that require a broader perspective.”

Meet the Scientists



Mudra Hegde
Computational Biologist
Genetic Perturbation Platform



Elizabeth Brown
Postdoctoral Fellow
Sabeti Lab



Laura Evans
Postdoctoral Fellow
Losman Lab, Cancer Program
and Dana Farber Cancer
Institute



Andrea Ekey
Associate Computational
Biologist
Golub Lab, Cancer Program



Kristen Connolly
Senior Analytics Engineer
Informatics Group, Genomics
Platform



Jenny Chen
Graduate Student
Regev Lab

