The Blavatnik Awards for Young Scientists honor exceptional young scientists and engineers by celebrating their extraordinary achievements, recognizing outstanding promise, and accelerating innovation through unrestricted funding.
“Encouraging and supporting young scientists is essential if we are to successfully address society’s challenges. By honoring these young individuals and their achievements we are helping to promote the breakthroughs in science and technology that will define how our world will look over the next century.”

LEN BLAVATNIK
FOUNDER AND CHAIRMAN
ACCESS INDUSTRIES AND BLAVATNIK FAMILY FOUNDATION
Key Features of
The Blavatnik Awards for Young Scientists

Open to researchers working in more than 36 different scientific and engineering disciplines in three categories:

- The Blavatnik Award for Young Scientists in **Chemistry**
- The Blavatnik Award for Young Scientists in **Physical Sciences & Engineering**
- The Blavatnik Award for Young Scientists in **Life Sciences**

- Recognize and support outstanding young scientists and engineers early in their careers when additional funding and recognition have the greatest impact on their work.
- Honorees are selected based on the quality, novelty, and impact of their research, and their potential for further significant contributions to science.
- Offer the largest unrestricted prizes ever created for early-career scientists.
- Connect alumni with a network of their peers throughout the world to foster collaboration.

“Our Finalists and Laureates are genuinely exceptional — the very best chosen from amongst the very best.”

NICHOLAS B. DIRKS
PRESIDENT AND CEO
THE NEW YORK ACADEMY OF SCIENCES
Our Impact

BLAVATNIK SCHOLARS ARE BRINGING REVOLUTIONARY IDEAS AND ADVANCES IN SCIENCE AND TECHNOLOGY INTO REALITY.

- REPAIRING SPINAL CORD INJURY WITH SYNTHETIC FIBERS
- SOLVING THE “BLACK HOLE PARADOX” AND CORRECTING STEPHEN HAWKING’S 1974 FORMULA
- USING ARTIFICIAL INTELLIGENCE TO CONVERT BRAIN ACTIVITY INTO SPEECH
- DEVELOPING TECHNOLOGY THAT COULD PROVIDE AFFORDABLE EYEGGLASSES TO BILLIONS OF PEOPLE
- FORMING THE FIRST ATOMIC-LEVEL DESCRIPTION OF SARS-COV-2 SPIKE PROTEIN
- DISCOVERING GRAVITATIONAL WAVES
- ENHANCING THE RECYCLABILITY OF EVERYDAY PLASTICS
- CREATING FLEXIBLE PLASTIC FIBERS WITH THE SAME PROPERTIES AS SPIDER SILK
- DEVELOPING BEAMS STRONGER THAN STEEL MADE OUT OF WOOD
- 40+ COMPANIES LAUNCHED, CREATING JOBS AND DRIVING ECONOMIC GROWTH

AND MANY MORE ON BLAVATNIKAWARDS.ORG
Science Knows No Borders

60% of Blavatnik Awards honorees are immigrants to the country in which they were recognized.

Argentina • Australia • Austria • Belarus • Belgium • Bosnia and Herzegovina • Canada • China • Colombia • Croatia • Czech Republic • Egypt • France • Germany • Greece • Hong Kong • Hungary • India • Iran • Ireland • Israel • Italy • Japan • Latvia • Lebanon • Malaysia • Mexico • Morocco • Netherlands • New Zealand • Nigeria • Palestine • Peru • Poland • Portugal • Romania • Russia • Serbia • Singapore • Slovakia • Slovenia • South Africa • South Korea • Spain • Sweden • Switzerland • Taiwan • Turkey • UK • Ukraine • Uruguay • USA • Uzbekistan

The Blavatnik Awards recognize outstanding young faculty and postdoctoral researchers in 36 scientific disciplines.

- Agricultural & Animal Sciences
- Analytical Chemistry
- Applied Mathematics
- Astrophysics & Cosmology
- Atomic, Molecular & Optical Physics
- Biochemistry & Structural Biology
- Biomedical Engineering & Biotechnology
- Chemical Biology
- Chemical Engineering
- Civil Engineering
- Clinical Medicine & Epidemiology
- Computational Biology, Bioinformatics & Systems Biology
- Computer Science
- Condensed Matter Physics
- Developmental Biology
- Ecology & Evolutionary Biology
- Electrical Engineering
- Environmental Chemistry & Biogeochemistry
- Genetics & Genomics
- Green Chemistry
- Immunology
- Inorganic & Solid-State Chemistry
- Materials Science & Nanotechnology
- Mechanical & Aeronautical Engineering
- Microbiology
- Molecular & Cellular Biology
- Neuroscience
- Nuclear & Plasma Physics
- Organic Chemistry
- Particle Physics
- Physical Chemistry
- Physical Earth Sciences
- Polymer Chemistry
- Synthetic Chemistry
- Theoretical Chemistry
- Theoretical Physics
Our History

2007
The Blavatnik Awards are created to celebrate outstanding postdoctoral and faculty scientists in New York, New Jersey, and Connecticut.

2012
The Blavatnik Family Foundation announces doubling of the prize money for Winners and Finalists starting in 2013.

2014
The Blavatnik National Awards are created to honor faculty scientists across the United States, and the first Laureates in Life Sciences, Physical Sciences & Engineering, and Chemistry are announced. Each Laureate receives a $250,000 prize.

The Blavatnik Regional Awards continue to honor postdoctoral scientists in New York, New Jersey, and Connecticut.

2018
The first Blavatnik Awards in the United Kingdom and Israel are conferred. In Israel, The New York Academy of Sciences collaborates with the Israel Academy of Sciences and Humanities in administering the awards.
The first annual Blavatnik Awards in the United Kingdom Symposium is hosted in London. The symposium opens its doors to the public to give Blavatnik Scholars from the United Kingdom the opportunity to communicate their research to students and science enthusiasts.

Three women are named Blavatnik Regional Awards Winners, marking the first time in Blavatnik Awards history that the top prize is concurrently awarded to women scientists in each of the three disciplinary categories.

Blavatnik Scholars take on the COVID-19 pandemic, discovering new ways to predict and detect disease spread, identifying effective treatments, and researching new vaccine technologies.

By the close of 2023, the Blavatnik Awards will have recognized over 430 young scientists and engineers and awarded prizes totaling $15.4 million.
2022 & 2023 Blavatnik Regional Awards for Young Scientists

Acknowledge and celebrate the excellence of outstanding postdoctoral scientists and engineers who work in New York, New Jersey, and Connecticut.

Young scientists are nominated by research institutions across the New York region, and Laureates and Finalists are selected by a group of senior scientists and engineers from institutions in this Tri-State Area. Laureates are awarded US$30,000 each and Finalists are awarded US$10,000 each in unrestricted funds.

“There are a few awards for young scientists, but almost all of them are based on proposals that you submit, and not on the actual work that you do as a young scientist. The Blavatnik Awards is true recognition of the work of young scientists; it is unique in that sense. There is no equivalent.”

MICHAL LIPSON
MEMBER, NATIONAL ACADEMY OF SCIENCES
EUGENE HIGGINS PROFESSOR OF ELECTRICAL ENGINEERING AND PROFESSOR OF APPLIED PHYSICS
COLUMBIA UNIVERSITY
MEMBER, BLAVATNIK NATIONAL AWARDS SCIENTIFIC ADVISORY COUNCIL
Joonho Lee, PhD, is developing state-of-the-art quantum chemistry algorithms for classical and quantum computers. Lee’s work aims to provide a microscopic understanding of emergent functional materials, including solar cells, electrocatalysts for the hydrogen economy, and optoelectronics.

Zoe Yan, PhD, is developing the first quantum gas microscope on single, ultracold molecules and applying this technique to explore important phenomena relevant to high-temperature superconductors and other quantum materials. Yan’s work opened a new venue to study complex quantum phenomena previously inaccessible by other instruments and holds great potential in future quantum technologies.

Yanxiang Deng, PhD, is developing a novel microfluidic method for “spatial-omics” to profile expression of RNA, proteins, and epigenetic markers across spatially organized groups of cells in tissues. Deng’s work has allowed us to construct a map of how RNA, proteins, and epigenetic markers are expressed across groups of cells with respect to cells’ relative positions. This work provides critical insight about how cells in different regions change their behavior during processes like development and disease.
2023 Blavatnik National Awards for Young Scientists

Celebrate America’s most innovative and promising faculty-rank scientists and engineers.

Nominations are accepted from US-based research institutions and the Blavatnik National Awards Scientific Advisory Council. Every year, one nominee in each category is named a Blavatnik National Awards Laureate and awarded US$250,000 in unrestricted funds, with additional nominees recognized as Finalists. Laureates and Finalists are selected by a jury composed of some of the United States’ most distinguished scientists and engineers.

“\nde freedom to take risks, asking big, complicated or left-field questions without worrying about failure, and being able to do this near the beginning of your career, without a constant eye on promotion and the need to impress can only be to the benefit of science. And that is exactly the spirit behind these awards.”

MICHAEL W. YOUNG
NOBEL LAUREATE
RICHARD AND JEANNE FISHER PROFESSOR
VICE-PRESIDENT FOR ACADEMIC AFFAIRS
THE ROCKEFELLER UNIVERSITY
Meet the 2023 Blavatnik Awards National Laureates

SHANNON BOETTCHER
2023 National Laureate in Chemistry
University of Oregon

Shannon Boettcher, PhD, is creating sustainable, electrochemical methods central to transforming simple mixtures of water and atmospheric gases into fuels, plastics, fertilizers, and other chemicals. Boettcher’s work is grounded in the mechanistic science of understanding electrochemical reactions on the surfaces of electrified solids, particularly under practical conditions where catalysts change in structure and composition. His work builds a foundation for the development of new technologies by addressing key knowledge gaps in understanding and controlling the rates of ion- and electron-transfer across interfaces. Discoveries made in Boettcher’s laboratory are now being applied to improve industrial processes for hydrogen production and carbon capture, establishing him both as a global leader in research and in society’s transition to a green future.

SVITLANA MAYBORODA
2023 National Laureate in Physical Sciences & Engineering
University of Minnesota

Svitlana Mayboroda, PhD, is using applied mathematics to provide physicists with a new fundamental understanding of the behavior of matter at nanometer scales—insights that are relevant for today’s ability to control and manipulate atomic structures. Mayboroda and her collaborators have invented an elegant technique known as localization landscape theory, which solves some long-standing problems in condensed matter physics. This mathematical framework reveals hidden structures that guide the behavior of waves at the atomic level, explaining why waves do not propagate in complex or disordered materials. Mayboroda’s groundbreaking work is leading to improvements in crucial 21st-century technologies like LED lighting, semiconductors, and solar cells.

WILLIAM ANDEREGG
2023 National Laureate in Life Sciences
The University of Utah

The research of William Anderegg, PhD, examines the interaction of plant ecology and climate change, from the scale of cells to forest ecosystems. Specifically, he addresses how drought and climate change affect the plant-soil-atmospheric systems, including tree physiology, species interactions, and biosphere-atmosphere feedbacks. His work overturns a 40-year foundational theory on how stomata—pores on leaves that facilitate photosynthesis—behave in order to improve carbon gain and minimize water loss, and in turn, how this affects global forests’ response to climate change. As a leading voice in the field of climate change, Anderegg’s discoveries are already informing climate solutions, global policies, and public health. Also recognized for his postdoctoral research in 2016, he is the first ever winner of the Blavatnik Regional Award to be awarded the Blavatnik National Award.
2023 Blavatnik Awards for Young Scientists in the United Kingdom

Recognize and support outstanding young scientists and engineers working in England, Wales, Scotland, and Northern Ireland.

Talented young academic staff across the UK are nominated by their university or research institution, or by members of the Blavatnik Awards UK Scientific Advisory Council. Each year, one nominee in each category is named a Blavatnik Awards UK Laureate and awarded £100,000 in unrestricted funds, with two Finalists in each category each receiving £30,000 in unrestricted funds. Laureates and Finalists are selected by a jury of distinguished scientists based in the UK.

“There are many prizes for senior scientists often at a time when they don’t need them and frequently years after they’ve made their big discoveries. It is a really nice change to see scientists rewarded early in their career when they have many great things ahead of them.”

SIR VENKI RAMAKRISHNAN
NOBEL LAUREATE
PRESIDENT EMERITUS, THE ROYAL SOCIETY
MEMBER, THE BLAVATNIK AWARDS IN THE UK SCIENTIFIC ADVISORY COUNCIL
Meet the 2023 Blavatnik Awards Laureates in the United Kingdom

KATIE DOORES
2023 UK Laureate in Life Sciences
King’s College London

As a Reader in Molecular Virology at King’s College London, Virologist and Immunologist Dr. Katie Doores, DPhil, specializes in virology, immunology, and glycobiology (the study of the structure, biosynthesis, and biology of carbohydrates). She was recognized for paradigm-shifting discoveries in the characterisation of antibody responses to viral infections, including the persistent and acute human infections HIV-1, hantaviruses, phleboviruses, and SARS-CoV-2.

CLARE BURRAGE
2023 UK Laureate in Physical Sciences & Engineering
University of Nottingham

Looking at the universe, galaxies are not only re-collapsing, but they are beginning to fly apart with ever increasing speed. While the solution to this mystery is almost unknown, nearly all attempts at an explanation introduce dark energy. Professor of Physics at the University of Nottingham, Clare Burrage, PhD, examines cosmology, dark energy, modified gravity, and new physics. She was recognized for theoretical predictions that have guided the development of entirely new experiments to probe the nature of dark energy — one of the biggest challenges in modern cosmology — in a compact, laboratory setting.

SUSAN PERKIN
2023 UK Laureate in Chemistry
University of Oxford

As Professor of Physical Chemistry at the University of Oxford, Susan Perkin, DPhil, studies the intersection of physical chemistry, liquid matter, electrolytes, interfaces, and interaction forces. She was recognized for experimental observations using a custom-built instrument that she modified, called the Surface Force Balance, to determine the mechanical, optical, electrostatic, and dynamic properties of fluids. Her findings reveal important information about liquids, leading to a range of outcomes from creating better grid storage for renewable energy to understanding the origin of cellular life.
2023 Blavatnik Awards for Young Scientists in Israel

Celebrate and support outstanding young faculty-rank scientists in Israel.

Each year, one nominee in each category is named a Blavatnik Awards Israel Laureate and awarded US$100,000 in unrestricted funds. Nominations are accepted from all universities in Israel and from the Blavatnik Awards Israel Scientific Advisory Council. Laureates are selected by a jury of world-recognized researchers working in Israel.

The Blavatnik Awards in Israel are administered jointly by The New York Academy of Sciences and the Israel Academy of Sciences and Humanities.

“While COVID has reminded us that we may not know what novel threats or drastic changes may appear tomorrow, we can be certain that our scientific capabilities along with our national resilience and international partnerships will be key to overcoming them.”

ISAAC HERZOG
PRESIDENT OF ISRAEL
SPEAKING AT THE 2021 BLAVATNIK AWARDS FOR YOUNG SCIENTISTS IN ISRAEL CEREMONY
Meet the 2023 Blavatnik Awards Laureates in Israel

RINA ROSENZWEIG
2023 Israel Laureate in Chemistry
Weizmann Institute of Science

The healthy function of our bodies’ cells relies on the carefully orchestrated interactions of thousands of function-specific proteins. When these interactions break down because proteins misfold or aggregate, severe neurodegenerative conditions like Alzheimer’s, Parkinson’s, and Huntington’s diseases can occur. Rina Rosenzweig, PhD, is uncovering the secrets behind our cells’ innate quality control system, molecular chaperones: a specific class of proteins that assists other proteins to fold, refold, and repair themselves. Rosenzweig has developed deep insight into how specific molecular chaperones prevent and reverse protein misfolding and aggregation on an atomic level. The discovery of this “molecular switch” will hopefully lead to the development of novel therapeutic agents that target Parkinson’s and other aggregation-related disorders.

ZVIKA BRAKERSKI
2023 Israel Laureate in Physical Sciences & Engineering
Weizmann Institute of Science

Zvika Brakerski, PhD, is a pioneer in cryptography. He has continually introduced novel cryptographic solutions with far-reaching practical implications on the security of cloud computing and quantum computing. Brakerski developed the first efficient encryption algorithm that allows computers to directly perform computations on encrypted data without the need to first decrypt them. In other words, the cloud computers do not know the data they are processing at all. His algorithm, dubbed FHE (fully homomorphic encryption), has huge potential to improve the security of cloud computing, and is now developed and implemented by many companies worldwide.

SHAI CARMI
2023 Israel Laureate in Life Sciences
The Hebrew University of Jerusalem

Shai Carmi, PhD, uses genetic data and mathematical modeling to illustrate the past and inform the future. His research combines data analysis and algorithms to fill in gaps in human history and improve methods for genetic testing. Carmi’s work has focused on developing methods that use genetic data to understand the current and past demography of isolated populations. Through the pioneering analysis of DNA sequences from present-day and 14th-century Ashkenazi Jews, Carmi’s work discovered a previously unknown division among the medieval population and estimated how remarkably small the population remained throughout the Middle Ages. Carmi is also spearheading the application of genetic risk prediction techniques in Israel, in hopes of identifying high-risk individuals and informing efforts of personalized screening and prevention.
The Blavatnik Awards are established in 2007 to honor young faculty and postdoctoral researchers in New York, New Jersey, and Connecticut.

**FACULTY WINNERS**
Andrei Bernevig '12
David Blei '13
Léon Bottou '07
Paul Chirik '09
Jason Fridley '12
Alison Galvani '12
Carmela Garzione '09
Johannes Gehrke '11
Steve Gubser '08
Zoltán Haiman '10
Kristjan Haule '13
Patrick Holland '13
Samie Jaffrey '13
Laura Landweber '08

**POSTDOCTORAL WINNERS**
Sreekanth Chalasani '09
Ofer Feinerman '09
Andrey Feklistov '12
Jonathan Fisher '13
Michael Hahn '12
Andrew Houck '08
Robert Johnston '12
Jian Li '16
Yaron Lipman '10
Haitao Liu '10
Elisa Oricchio '12
Franck Oury '11
Eva Pastalkova '09
Alexander Pechen '09
Andrey Pisarev '08
Rachel Rosen '13
Daniela Schiller '10
Nicholas Stavropoulos '12
Valentino Tosatti '11

**FACULTY FINALISTS**
Robert Anderson '11
Antje Baemmer '07
Daphne Bavelier '08
Christopher Bregler '07
Jeffrey Bok '09
George Mallozzi '09
Rachel Malin '10
Michelle Maniscalco '10
Shai Shaham '08
Song-Hai Shi '10
Shai Shaham '08

**POSTDOCTORAL FINALISTS**
Alexei Aravin '08
Roberto Bonasio '11
Bi-Sen Ding '13
Matthew Evans '08
Emily Hodges '13
Valerie Horsley '08
Andreas Keller '09
Mariangela Lisanti '13
Mary Kay Lobo '11
Jason McCann '10
Shaun Olsen '11
Nicolas Reyes '10
Agnel Sfeir '10
Xiankai Sun '13
Ruth Van de Water '11

**US NATIONAL LAUREATES**
Andrea Alu '21
William Anderegg '23
Janelle Ayres '18
Emily Balskus '19
Phil Baran '16
Shannon Boettcher '23
Clifford Brangwynne '20
Christopher Chang '15
Edward Chang '15
David Charbonneau '16
Adam Cohen '14
Yi Cui '17
Neal K. Devaraj '18
William Dichtel '20
Mircea Dincă '18
Jennifer Dionne '23
Matthew Disney '15-'17
Gordana Dukovic '22
Casey Dunn '16
Mohamed El-Naggar '17
Michael Fischbach '15-'17
Eric S. Fischer '23
Eric Ford '15
Jonathan Fortney '18
Danna Freedman '21-'23
Renee Frontier '22
Neil Garg '18 '20
Nathan Gianneschi '17
David S. Ginger '16
Antonio Giraldez '16-'17
Ruben Gonzalez '14
Elena Gracheva '20
Viviana Gradinaru '19-'21
Kristen Grauman '20
Jenny Greene '16
Julia Greene '16
Kiyu Guan '21
Mohammad Hafezi '19-'20
Mohammad Hajiahayi '20
Ali Hajimir '14
Christy Haynes '17-'19
Ryan Hayward '18
Asegun Henry '21 '23
Ive Hersman '19
Mark Hersam '17
Shirley Ho '23
Xingfeng Duan '15-'18
Gordania Dukovic '22
Haining Lin '15
Zachary Lippman '18
Chang Liu '22

**US NATIONAL FINALISTS**
Mohamed Abou Donia '22
Aditya Akella '20 '21
Andrea Alu '16-'20
Polina Anikeeva '19
Emily Balskus '18
Phil Baran '14 '15
Matthew Becker '17
Kianan Birsoy '23
Helen Blackwell '14
Shannon Boettcher '21
Alexandra Bolotseva '18
Alexei Borodin '16
Edward Boyden '18
Clifford Brangwynne '19
Kristen Brennard '22
Luis Campos '18-'20
Garnet Chan '14 '16
Christopher Chang '14
Howard Chang '14
Peng Chen '14
Xin Chen '16
Kaushik Chowdhury '23
Ivan Corwin '23
Brandi Cossairt '21
Bianxiao Cui '15 '18
Yi Cui '14-'16
Chiara Daraio '19
Paul Dauenhauer '21
Nicolas Dauphas '17
Cory Dean '20
William Dichtel '17 '19
Mircea Dincă '18
Jennifer Dionne '23
Matthew Disney '15-'17
Guangbin Dong '20 '22
Pieter Desteyn '16
Abigail Doyle '22
Xiangfeng Duan '15-'18 '19
Gordana Dukovic '22
Casey Dunn '16
Mohamed El-Naggar '17
Michael Fischbach '15-'17
Eric S. Fischer '23
Eric Ford '15
Jonathan Fortney '18
Danna Freedman '21-'23
Renee Frontier '22
Neil Garg '18 '20
Nathan Gianneschi '17
David S. Ginger '16
Antonio Giraldez '16-'17
Ruben Gonzalez '14
Elena Gracheva '20
Viviana Gradinaru '19-'21
Kristen Grauman '20
Jenny Greene '16
Julia Greene '16
Kiyu Guan '21
Mohammad Hafezi '19-'20
Mohammad Hajiahayi '20
Ali Hajimir '14
Christy Haynes '17-'19
Ryan Hayward '18
Asegun Henry '21 '23
Ive Hersman '19
Mark Hersam '17
Shirley Ho '23
Xingfeng Duan '15-'18
Gordania Dukovic '22
Haining Lin '15
Zachary Lippman '18
Chang Liu '22

**POSTDOCTORAL WINNERS**
Sreekanth Chalasani '09
Ofer Feinerman '09
Andrey Feklistov '12
Jonathan Fisher '13
Michael Hahn '12
Andrey Pashkevich '08
Kathryn Uhric '07
Neal Weiner '10
Gerald Wysock '11
Denis Zorin '09

**POSTDOCTORAL FINALISTS**
Sreekanth Chalasani '09
Ofer Feinerman '09
Andrey Feklistov '12
Jonathan Fisher '13
Michael Hahn '12
Andrew Houck '08
Robert Johnston '12
Jian Li '16
Yaron Lipman '10
Haitao Liu '10
Elisa Oricchio '12
Franck Oury '11
Eva Pastalkova '09
Alexander Pechen '09
Andrey Pisarev '08
Rachel Rosen '13
Daniela Schiller '10
Nicholas Stavropoulos '12
Valentino Tosatti '11

**US NATIONAL LAUREATES**
Andrea Alu '21
William Anderegg '23
Janelle Ayres '18
Emily Balskus '19
Phil Baran '16
Shannon Boettcher '23
Clifford Brangwynne '20
Christopher Chang '15
Edward Chang '15
David Charbonneau '16
Adam Cohen '14
Yi Cui '17
Neal K. Devaraj '18
William Dichtel '20
Mircea Dincă '21
Elaine Hsiao '22
Syed Jafar '19
Sergeri V. Kalinin '18
Heather J. Lynch '19
Svitlana Mayboroda '23
Brian Metzger '20
Hosea M. Nelson '22
Ana Maria Rey '19
Michael Raper '16
Melanie Sanford '17
Marin Soljačić '14
Kay Tye '17
Conor Walsh '22
Rachel Wilson '14
Feng Zhang '17

**US NATIONAL FINALISTS**
Mohamed Abou Donia '22
Aditya Akella '20 '21
Andrea Alu '16-'20
Polina Anikeeva '19
Emily Balskus '18
Phil Baran '14 '15
Matthew Becker '17
Kivanç Birsoy '23
Helen Blackwell '14
Shannon Boettcher '21
Alexandra Bolotseva '18
Alexei Borodin '16
Edward Boyden '18
Clifford Brangwynne '19
Kristen Brennard '22
Luis Campos '18-'20
Garnet Chan '14 '16
Christopher Chang '14
Howard Chang '14
Peng Chen '14
Xin Chen '16
Kaushik Chowdhury '23
Ivan Corwin '23
Brandi Cossairt '21
Bianxiao Cui '15 '18
Yi Cui '14-'16
Chiara Daraio '19
Paul Dauenhauer '21
Nicolas Dauphas '17
Cory Dean '20
William Dichtel '17 '19
Mircea Dincă '18
Jennifer Dionne '23
Matthew Disney '15-'17
Guangbin Dong '20 '22
Pieter Desteyn '16
Abigail Doyle '22
Xiangfeng Duan '15-'18 '19
Gordana Dukovic '22
Casey Dunn '16
Mohamed El-Naggar '17
Michael Fischbach '15-'17
Eric S. Fischer '23
Eric Ford '15
Jonathan Fortney '18
Danna Freedman '21-'23
Renee Frontier '22
Neil Garg '18 '20
Nathan Gianneschi '17
David S. Ginger '16
Antonio Giraldez '16-'17
Ruben Gonzalez '14
Elena Gracheva '20
Viviana Gradinaru '19-'21
Kristen Grauman '20
Jenny Greene '16
Julia Greene '16
Kiyu Guan '21
Mohammad Hafezi '19-'20
Mohammad Hajiahayi '20
Ali Hajimir '14
Christy Haynes '17-'19
Ryan Hayward '18
Asegun Henry '21 '23
Ive Hersman '19
Mark Hersam '17
Shirley Ho '23
Xingfeng Duan '15-'18
Gordania Dukovic '22
Haining Lin '15
Zachary Lippman '18
Chang Liu '22

**FACULTY FINALISTS**
Robert Anderson '11
Antje Baemmer '07
Daphne Bavelier '08
Christopher Bregler '07
Jeffrey Bok '09
George Mallozzi '09
Rachel Malin '10
Michelle Maniscalco '10
Shai Shaham '08
Song-Hai Shi '10
Shai Shaham '08
In 2018, the Blavatnik Awards expanded to honor young faculty in the United Kingdom and Israel.

**UK LAUREATES**

M. Madan Babu '18  
Timothy Behrens '19  
Matthew Brookes '22  
Stephen Brustatte '21  
Clare Burrage '23  
Claudia De Rham '20  
Katie Doores '23  
Sinéad Farrington '21  
Andrew Goodwin '18  
Kim Jelfs '22  
Philipp Kukura '19  
Madeline Lancaster '21  
Daniele Leonori '21  
Konstantinos Nikolopoulos '19  
Ewa Paluch '19  
Kirsty Penkman '20  
Susan Perkins '23  
Henry Snaih '18

**UK FINALISTS**

Jade Alglave '23  
Timothy Behrens '19  
Gonçalo Bernardes '22  
John Briggs '19  
Ian Chapman '20  
Claudia De Rham '18  
Matthew Fuchter '20  
Stephen Goldup '20  
Sarah Haigh '22  
Robert Hilton '18  
Gustav Holzegel '19  
Jesko Köhnke '23  
M. Madan Babu '18

**ISRAEL LAUREATES**

Moran Bercovici '19  
Erez Berg '19  
Zivka Brakerski '23  
Shai Carmi '23  
Charles Diesendruck '18  
Ronen Eldan '22  
Ido Kaminer '21  
Rafal Klajn '21  
Atan看著' '19  
Emmanuel Levy '20  
Oded Rechavi '18  
Michal Rivlin '19  
Rina Rosenzweig '23  
Guy Rothblum '20  
Menny Shalom '22  
Noam Stern-Ginossar '22  
Igor Ulitsky '20  
Yossi Yovel '21

**REGIONAL LAUREATES**

Direna Alonso-Curbelo '21  
William Anderegg '16  
Joséfina Del Marmol '22  
Yaxiang Deng '23  
Laura Duvall '19  
Netta Engelhardt '19  
Antonio Fernández-Ruiz '20  
Hani Goodarzi '15  
Clemence Hongler '14  
June Huh '17  
Andrew Iolit '17  
Ning Jia '20  
Chenhao Jin '21  
Jian Li '16  
Xiaolong Liu '22  
Chao Lu '17  
Tomeyasu Mani '16  
Shruti Naik '18  
Arash Nikoubashman '15  
Jeremy Palmer '14  
Joonho Lee '23  
Jinzhong Lin '15  
Daniel Straus '21  
Zhi Wang '17  
Eunyong Park '17  
Lucia Guaitleri '18  
Alian Healy '17  
Joao Yang Huang '22  
Xiaowei Hou '14  
Yanxiang Deng '23  
Lingyan Shi '18  
Adam Overvig '23  
Jérémie Palacci '14  
Guoqiang Zhang '17  
Erdogan Zengin '20  
Marc Schneebberger '19  
Kate Meyer '16  
Carla Nasca '19  
Adam Overvig '23  
Lukas Mesin '21  
Laura Duvall '19  
Rachel Perez-Gingold '15  
Yuval Shachar '18  
Knut Drescher '18  
Yigal Tzur '19  
Guy Rothblum '20  
Igor Ulitsky '20  
Menny Shalom '22  
Noam Stern-Ginossar '22  
Yossi Yovel '21

**REGIONAL FINALISTS**

Zahra Abdollahnejad '20  
Derya Akkaynak '20  
Samuel Bakhour '18  
James Daniel  
Brandon Bourg '22  
Andrew Bridges '22  
Stephen Brohawn '14  
Rosemary Catrambone '22  
Xi Chen '16  
Andrea Young '21  
Guihua Yu '21 '23  
Joel Yuen-Zhou '20  
Gleb Yushin '17 '18  
Martin Zanni '14  
Feng Zhang '15 '16  
Wenjun Zhang '21  
Yi Zuo '15

**UK LAUREATES**

M. Madan Babu '18  
Timothy Behrens '19  
Matthew Brookes '22  
Stephen Brustatte '21  
Clare Burrage '23  
Claudia De Rham '20  
Katie Doores '23  
Sinéad Farrington '21  
Andrew Goodwin '18  
Kim Jelfs '22  
Philip Kukura '19  
Madeline Lancaster '21  
Daniele Leonori '21  
Konstantinos Nikolopoulos '19  
Ewa Paluch '19  
Kirsty Penkman '20  
Susan Perkins '23  
Henry Snaih '18

**UK FINALISTS**

Jade Alglave '23  
Timothy Behrens '19  
Gonçalo Bernardes '22  
John Briggs '19  
Ian Chapman '20  
Claudia De Rham '18  
Matthew Fuchter '20  
Stephen Goldup '20  
Sarah Haigh '22  
Robert Hilton '18  
Gustav Holzegel '19  
Jesko Köhnke '23  
M. Madan Babu '18
Blavatnik Science Scholars

In the News

William Dichtel (2020 Blavatnik National Awards Laureate)
Destroying “forever chemicals” PFAs
The New York Times | August 18, 2022
NBC News | August 19, 2022

William Anderegg (2016 Blavatnik Regional Awards Winner; 2023 Blavatnik National Awards Laureate)
Discovering climate change is making pollen allergies worse
The Atlantic | May 3, 2023

Heather J. Lynch (2019 Blavatnik National Awards Laureate)
Finding penguins adapt to climate change
CNN | March 27, 2023

Liangbing Hu (4x Blavatnik National Awards Finalist)
Creating moldable wood
Chemistry World | February 20, 2023

Ali Hajimiri (2014 Blavatnik National Awards Finalist)
Designing a space-based solar power plant
Medium | December 1, 2022

Andrew Levan (2018 Blavatnik UK Awards Finalist)
Observing the brightest gamma-ray burst
Space.com | March 28, 2023
New Scientist | October 17, 2022
Quanta | October 26, 2022

Julius Lucks (2020 Blavatnik National Awards Finalist)
Detecting water contamination with biosensors
Science News | February 8, 2023

Amaury Triaud (2020 Blavatnik UK Awards Finalist)
Discovering a habitable exoplanet
Smithsonian | September 9, 2022

Tommaso Treu (2017 Blavatnik National Awards Finalist)
Observing the earliest galaxies
Washington Post | November 17, 2022
CNN | November 17, 2022

Yossi Yovel (2021 Blavatnik Awards Israel Laureate)
Discovering plants “cry” under stress
CNN | April 3, 2023
Washington Post | April 4, 2023
Haaretz | March 30, 2023
The New York Times | March 30, 2023

Leslie B. Vosshall (2007 Blavatnik Regional Awards Winner-Faculty)
Deciphering mosquito attraction
Washington Post | October 18, 2022
Scientific American | October 18, 2022
NPR | October 22, 2022

Vinod Vaikuntanathan (2022 Blavatnik National Awards Finalist)
Identifying vulnerabilities in machine learning systems
Quanta | March 3, 2023

“It may be a cliché at this point, but they’re the canary in the coal mine for climate change because they’re so closely tied to those sea ice conditions.”

HEATHER J. LYNCH
2019 BLAVATNIK NATIONAL AWARDS LAUREATE ON THE MIGRATION OF GENTOO PENGUINS.
SPEAKING TO SMITHSONIAN MAGAZINE
FEBRUARY 8, 2022
BLAVATNIK FAMILY FOUNDATION
The Blavatnik Family Foundation supports world-renowned educational, scientific, cultural, and charitable institutions in the United States, the United Kingdom, Israel, and across the globe. Led by Len Blavatnik, founder and chairman of Access Industries, the Foundation advances and promotes innovation, discovery, and creativity to benefit the whole of society. Over the past decade, the Foundation has contributed more than $1 billion to over 250 organizations. See more at www.blavatnikfoundation.org.

THE NEW YORK ACADEMY OF SCIENCES
The New York of Academy of Sciences is an independent, not-for-profit organization that since 1817 has been committed to advancing science for the benefit of society. With more than 20,000 Members in 100 countries, the Academy advances scientific and technical knowledge, addresses global challenges with science-based solutions, and sponsors a wide variety of educational initiatives at all levels for STEM and STEM-related fields. The Academy hosts programs and publishes content in the life and physical sciences, the social sciences, nutrition, artificial intelligence, computer science, and sustainability. The Academy also provides professional and educational resources for researchers across all phases of their careers.
Please visit us online at www.nyas.org and follow us on Twitter @NYASciences.

THE ISRAEL ACADEMY OF SCIENCES AND HUMANITIES
The Israel Academy of Sciences and Humanities is Israel’s flagship scientific institution. It was established by law in 1961 and acts as a national focal point for Israeli scholarship in all branches of the sciences, social sciences, and humanities. The Academy’s membership comprises 143 of Israel’s most distinguished scientists and scholars in its two sections — the Sciences Section and the Humanities Section. It is tasked with promoting Israeli scientific excellence, advising the government on scientific matters of national interest, publishing scholarly research of lasting merit, and maintaining active contact with the broader international scientific and scholarly community. For more information about the Israel Academy of Sciences and Humanities, please visit: www.academy.ac.il.