The Adolph C. and Mary Sprague

MILLER INSTITUTE for Basic Research in Science



Celebrating 60 Years of Science





Miller.berkeley.edu

Welcome to the 60th Anniversary Symposium of the Miller Institute. In an age of ever increasing specialization, the Miller Institute stands apart as one of the very few enterprises to embrace all of Science as its purview. For 60 years the Miller Institute has provided generous support to some of the leading postdoctoral fellows in all fields of science, has supported extended visits from famous scientists from around the world, and has provided critical administrative and teaching relief for Berkeley faculty at particularly important points in their career. This grand tradition lives on, even in the face of ever-greater challenges, with a refreshing emphasis on clarity in cross-discipline communication. We have assembled a panel of eight luminaries drawn from past and present members of the Miller Institute each of whom leads their field with creative research at the frontiers of human knowledge. So relax, enjoy, and be sure to ask that question that you always wanted to have answered.

Jasper Rine,

Professor of Genetics and Developmental Biology Chair, Miller Institute 60th



60th Anniversary Agenda Friday, January 15 – Sunday, January 17, 2016

Friday evening - Alumni House 5:00 - 7:00 Reception

aturday – Stanley H	
:00 - 8:45	Registration
:45 - 9:00	Welcome
:00 - 11:45	Maha Mahadevan: "On growth and form: geometry, physics and biology"
	Alice Guionnet: "About Universal Laws"
	Roger Bilham: "Earthquakes and Money: Frail
	Buildings, Philanthropic Engineers and a Few
	Corrupt Bad Guys on the Southern Edge of the Asian Plate"
2:00 - 1:00	Lunch
:00 - 3:15	Ken Eisenthal: "Lasers Probing the World We Live In"
	Ryosuke Motani: "What Emerged After the Permo Triassic Global Warming-Marine Tetrapods and Their Ecological Roles"
	Vijay Pande: "Fifteen years of Folding@home:
	How Citizen Science has Led to Key New
	Advances in Biophysics and Fighting Disease"
:15 -3:45	Break
:45 -6:00	Sally Otto: "Genomic Scope of Adaptive Mutations in the Face of Environmental Challenges"
	Roger Blandford: "The Miller Universe" Astronomy in the next Decade"
:30	Hors D'oeuvres & Dinner
unday - Ontional T	OURS

8:00 - 5:00 10:00

11:00

Geology Tour of Marin County Advanced Light Source UC Botanical Garden UC Botanical Garden UC Museum of Verterbrate Zoology

Miller Institute Leadership:

Executive Director: Professor Michael Manga Earth and Planetary Science Miller Fellow (1994-1996) Miller Professor (2008-2009)

Executive Committee: Professor Jasper Rine Molecular & Cell Biology Miller Professor 1993

Professor Stephen Leone Chemistry and Physics Visiting Miller Professor 1990 Miller Professor Spring 2010 Advisory Board: Professor Roger Blandford Stanford University Visiting Miller Professor Fall 2013

Professor Steve Block Stanford UniversityProfessor

David Botstein CALICO Life Sciences LLC

Chancellor Nicholas Dirks UC Berkeley

Professor Vaughan Jones Vanderbilt Math Department Miller Professor Fall 1992

Staff: Emily Birman Donata Hubert

Kathryn Day Erin Lyman

60th Anniversary Speakers



Roger Bilham Visiting Miller Professor Fall 2004 University of Colorado Boulder Campus

Roger Bilham obtained degrees in Geology and Physics at the University of Wales, and in 1971 a PhD in geophysics from Cambridge University. Following postdoctoral studies in Cam-

bridge and Columbia's Lamont Doherty Earth Observatory, in 1986 he was appointed Professor of Geology at the University of Colorado, in Boulder. His research is focused on earthquake studies using geodetic monitoring methods, tilt-meters, strain-meters and creep-meters, supplemented by historical studies of earthquakes especially in India and the Himalaya. He has recently contributed to identifying societal complexities thwarting the application of earthquake-resistant design to urban construction in the developing nations. Among his many recognitions, he is a Fellow of the American Geophysical Union and the Royal Geographical Society, London and the recipient of a Guggenheim Fellowship. In 2004 he visited Berkeley as a Visiting Miller Professor. In 2009 he was invited to give the 12th Mallet/Milne lecture (Inst Civil Engineers, London), in 2012 the Welsh Lecture in Physics (Toronto), and in 2015 the 20th W.S. Jardetzky Lecture (Columbia University).



Roger Blandford Visiting Miller Professor Fall 2013 Stanford

Roger Blandford took his BA, MA and PhD degrees at Cambridge University. Following postdoctoral research at Cambridge, Princeton and Berkeley he took up a faculty position at Caltech in 1976

where he was appointed as the Richard Chace Tolman Professor of Theoretical Astrophysics in 1989. In 2003 He moved to Stanford University to become the first Director of the Kavli Institute for Particle Astrophysics and Cosmology and the Luke Blossom Chair in the School of Humanities and Science. His research interests include black hole astrophysics, cosmology, gravitational lensing, cosmic ray physics and compact stars. He is a Fellow of the Royal Society, the American Academy of Arts and Sciences, the American Physical Society and a Member of the National Academy of Sciences. He recently chaired a two year National Academy of Sciences Decadal Survey of Astronomy and Astrophysics.



Ken Eisenthal Visiting Miller Professor Fall 1989 Columbia University

Ken Eisenthal obtained an MA in Physics and a Ph.D. in Chemical Physics from Harvard University. An NIH Postdoctoral position at UCLA followed where he worked with Bill McMillan and Mostafa El-Sayed. After a pe-

riod as a research scientist, Ken has been a Professor of Chemistry at Columbia University since 1975. His research is in the study of equilibrium and dynamical properties of molecules at interfaces. His experiments are a unique combination of ultrafast (femtosecond) and surface-selective capabilities. Ken's scientific activities over the years have been recognized in various ways, among which are the ACS Hildebrand Award in Theoretical and Experimental Chemistry of Liquids, the ACS Adamson award for Distinguished Service to Chemistry, election to the National Academy of Sciences, the Bryce Crawford Award in Molecular Spectroscopy, the Hinshelwood Professor and Lectures at Oxford University, the Troisieme Cycle Distinguished Lecturer in Switzerland, various other named lectureships, Fellow of the American Physical Society, Guggenheim Fellow, and visiting professor at universities at home and abroad, including a Visiting Miller Professorship in 1989.



Alice Guionnet Visiting Miller Professor Fall 2006 MIT

Alice Guionnet is a French mathematician who works at the Massachusetts Institute of Technology, on leave from the Centre National de Recherche Scientifique. She studied at the Ecole Normale Supérieure and

received her PhD from Université Paris-Sud in 1995, under Professor Gerard Ben Arous. She works in probability theory, on a program related to operator algebra theory and mathematical physics, making important contributions in random matrix theory, including large deviations, topological expansions, universality but also in the more classical study of their spectrum and eigenvectors. Alice has won numerous awards, including the Oberwolfach prize in 1999, the Rollo Davidson prize in 2003, a Visiting Miller Professorship in 2006, the Loève prize in 2009, the CNRS Silver medal in 2010. She became a Simons Investigator in 2012.



L. "Maha" Mahadevan Visiting Miller Professor Spring 2006 Harvard

L. Mahadevan spent his undergraduate years at IIT-Madras, India, and obtained his Ph.D. at Stanford University, CA. He started his independent career at MIT, and following that was the inaugural Schlumberger Professor of

Complex Physical Systems in the Department of Applied Mathematics and Theoretical Physics at the University of Cambridge and a fellow of Trinity. At Harvard University since 2003, he is currently the England de Valpine Professor of Applied Mathematics, of Organismic and Evolutionary Biology and of Physics, and an Associate Director of the NSF Science and Technology Center on Brains, Minds and Machines. His work centers around understanding shape, motion and flow in physical and biological systems, on scales that range from the macromolecular to the tectonic, using experimental, theoretical, and computational approaches. He has contributed to the understanding of many basic patterns and instabilities in soft condensed matter systems, and has developed theories and scaling relationships for the dynamics of soft interfaces, the statistical and continuum mechanics of polymers, colloids and gels, the dynamics of plant growth and movement, the dynamics of animal morphogenesis and autonomous locomotion etc. He is the recipient of various awards including a MacArthur Fellowship (2009), and was a Visiting Miller Professor at the University of California, Berkeley (2006-07) - a time he remembers very fondly.



Ryosuke Motani Miller Fellow 1997-1999

UC Davis

Ryosuke Motani is an evolutionary biologist and a geologist with an emphasis on the evolution and ecology of fossil vertebrates. Having been born in Japan, he attended the University of Tokyo (BSc, Geology) before

enrolling in the University of Toronto (Ph.D., Zoology, 1997). He worked for the University of Oregon for two years and moved to the University of California, Davis, where he holds a professor appointment in the Department of Earth and Planetary Sciences. He was a Miller Fellow from 1997-99. His awards include AS Romer Prize from the Society of Vertebrate Paleontology (1997), NSF Career Awards (2003), Gakujutsu Prize from the Palaeontological Society of Japan (2005), and Minister's Commendation for Science and Technology: The Young Scientists' Prize from the Ministry of Education, Culture, Sports, Science and Technology, Japan (2007). His overarching research theme is how physical, chemical, and physiological constraints carved the evolution of vertebrate animals in the past, and are carving them today. He currently studies the evolution of marine vertebrates during and after the extreme global warming in the Early Triassic, in a trial to decipher how environmental changes drove evolution through physiology.



Sally Otto Miller Fellow 1992-1994

1992-1994 University of British Columbia

Sarah (Sally) P. Otto. CRC Professor (Tier 1), Department of Zoology & Director, Biodiversity Research Centre, University of British Columbia. She received her degrees from Stanford University

and was a Miller Fellow from 1992-94. She is known for her theoretical studies investigating how biological systems evolve, using models to investigate the selective forces acting on genetic systems (recombination, ploidy level, gene duplications) and mating systems (sexual vs asexual reproduction, sexual selection, floral reproductive strategies). Using mathematical modeling and experimental evolution, Sally's research into the evolutionary forces leading to biological diversity has resulted in over 150 publications and a book. She has served as founding member and Secretary of the Canadian Society of Ecology and Evolution, Vice President of the Society for the Study of Evolution, the American Society of Naturalists, and the European Society of Evolutionary Biology, Council member for the Society for the Study of Evolution and the American Genetic Association, and member of several editorial boards. Awards include a MacArthur Fellowship, a Guggenheim Fellowship, the Steacie Prize (National Research Council, Canada), and fellowship in the Royal Society of Canada and the National Academy of Sciences.



Vijay Pande Miller Fellow 1996-1998 Stanford University

Vijay Pande is currently the Director of the Program in Biophysics and the Camille and Henry Dreyfus Professor of Chemistry and, by courtesy, of Structural Biology and of Computer Science at Stanford

University. Vijay received a BA in Physics from Princeton University in 1992 and Ph.D. in physics from MIT in 1995. He was a Miller Fellow from 1996-98. His current research centers on the development and application of novel grid computing simulation techniques to address problems in chemical biology. In particular, he has pioneered novel distributed computing methodology to break fundamental barriers in the simulation of kinetics and thermodynamics of proteins and nucleic acids. He has won numerous awards, including the Michael and Kate Bárány Award for Young Investigators from Biophysical Society (2012), Thomas Kuhn Paradigm Shift Award, American Chemical Society (2010), Fellow of the American Physical Society (2008), Irving Sigal Young Investigator Award from the Protein Society (2006), the MIT Indus Global Technovator's Award (2004), a Henry and Camile Dreyfus Teacher-Scholar award (2003), being named to MIT's TR100 (2002), and named a Frederick E. Terman Fellow (2002).

A Brief History

In 1943, Adolph C. and Mary Sprague Miller entered into a trust with the University of California to establish an institute "dedicated to the encouragement of creative thought and conduct of research and investigation into the field of pure science." When Adolph Miller passed away in 1953, a fund in the amount of \$2,856,566 became available to the University and the "Statement Establishing the Institute for Basic Research" was submitted to the Regents. It was approved in 1955. In January, 1957, Mrs. Miller died and an additional \$2,159,945 became available. The names of the donors then became public and the Institute was designated: "The Adolph C. and Mary Sprague Miller Institute for Basic Research in Science." The first appointments to what has now become a world-renowned hub for outstanding scientists exploring the frontiers of research, spanning all realms of scientific inquiry from biology and chemistry to geophysics and mathematics were awarded in January 1957. Over the past sixty years, the Miller Institute has hosted more than 1300 scientists, including nine Nobel Prize winners and seven Fields Medalists.

Adolph C. Miller was born in San Francisco in 1866 and entered the University of California in 1883. Upon graduation he was awarded the Harvard Club Prize for graduate study at Harvard University and continued his studies in Paris and Munich. Returning to the United States, he taught Economics at Harvard before returning to Berkeley in 1890 as an Assistant Professor of Political Science. During an Associate Professorship at the University of Chicago, Miller met and married Mary Sprague, the eldest child of Otho Sprague, a prosperous Chicago businessman. In 1902, President Benjamin Ide Wheeler convinced Miller to return to Berkeley as the Flood Professor of Economics and Commerce and to develop the newly established College of Commerce. After eleven years of service, Miller resigned to become the United States Assistant Secretary to the Interior under former classmate, Franklin K. Lane. The following year the Federal Reserve System was created and President Woodrow Wilson appointed Miller to the Board of Governors, a position he held for twenty-two years under five administrations.

Though living in Washington, D.C., the Millers' ties to Berkeley remained strong. They donated 250 acres of the Locatelli Ranch in the Santa Cruz Mountains near Boulder Creek to the University to be used as a center for faculty conferences and recreation. The University, in turn, bestowed honors on its benefactor by asking him to deliver the first Bernard Moses Memorial Lecture and three years later was awarded an honorary LL.D. degree.

Today, esteemed Miller Institute members and alumni carry on the tradition of being at the cutting edge of thinking in all areas of scientific inquiry. The Millers' vision and support of basic science continues to keep Berkeley at the forefront of scientific research.

Timeline

1943

Adolph C. and Mary Sprague Miller entered into a trust with the Board of Regents to establish an institute "dedicated to the encouragement of creative thought and conduct of research and investigation in the field of pure science."

1953

Adolph Miller passes away.

1955

The Statement Establishing the Institute for Basic Research in Science was submitted to the Regents and was subsequently approved.

1957

Mary Sprague Miller passes away. The names of the donors became public and the Institute was designated: "The Adolph C. and Mary Sprague Miller Institute for Basic Research in Science."

1957

Six professors were named the first Miller Research Profesors: James Carson, Jr., Chemistry Jack Evernden, Geology & Geophysics Daniel Mazia, Zoology

Miller Research Professorships

In 1956, the first Advisory Board, established by President Robert Sproul and chaired by Glenn Seaborg, created the Miller Research Professorships as its first program in support of the Miller Institute's mission. Providing a "gift of time", Miller Professors were released from teaching and administrative duties to pursue their research fulltime. In 2015, this program added a second opportunity which provides unrestricted funds for research support while allowing teaching. This program has supported 400 UC faculty members over its 60 year history.

Miller Research Fellowships

The centerpiece of the Miller Institute is the Miller Research Fellowship program. Annually, the Institute invites faculty from around the world to nominate their best and brightest new Ph.D.s for this highly competitive award. Seeking to discover and encourage individuals of outstanding talent, and provide them with the opportunity to pursue their research on the Berkeley campus, Miller Fellows are selected based on their academic achievements and the promise of their scientific research. Miller Fellows have a keen curiosity about all science and share an appreciation for an interdisciplinary experience. Since the first Miller Fellows were named in 1960, the Institute has supported nearly 500 of these successful young scientists.

Visiting Miller Professorships

The purpose of the Visiting Miller Professorship program is to bring promising or eminent scientists to the Berkeley campus on a short-term basis for collaborative research interactions. The purpose of the Somorjai Visiting Miller Professorship is to support the collaborative research of an early-career visiting scientist within the broad field of chemical sciences. The first Visiting Miller Professors were named in 1959. After twenty years, the program took a brief hiatus returning in 1985 with revised terms of appointment. In total, the combined Visiting Professorship programs have supported approximately 412 scientists, providing Berkeley departments the opportunity to work closely with a broad variety of collaborators.

Miller Senior Fellows

The Miller Senior Fellows program was introduced in 2008 with the appointment of Professor of Molecular and Cell Biology, Randy Schekman. The Senior Fellow Program advances the Institute's goal of supporting excellence in science by providing selected faculty with significant discretionary funding, as recognition of distinction in scientific research and campus citizenship. Miller Senior Fellows participate in the Institute's weekly luncheons and seminars, and mentor Miller Fellows through occasional relevant functions. To date, six Berkeley faculty have received this honor.

Jerzy Neyman, Statistics William Nierenberg, Physics Roger Stanier, Bacteriology

1958

1st Visiting Miller Professor is named: Leopold Schmetterer, Statistics

1960

1st Miller Fellows are named: John Fletcher, Physics James Kinsey, Chemistry Carl Sagan, Astronomy Dana Scott, Mathematics Charles Shuster, Bacteriology Paul Whitfeld, Biochemistry

1997

Miller Institute establishes an annual Interdisciplinary Symposium

2008

The Miller Senior Fellowship program was introduced with the appointment of Randy Schekman, Professor of Molecular and Cell Biology



Feryal Ozel Visiting Miller Professor Spring 2014 Professor of Astronomy & Physics University of Arizona

My time at the Miller Institute as a Visiting Miller Professor was a rejuvenating experience.

A lot of us scientists start out with a broad curiosity of the physical world, and over time, get more and more narrowly focused on the field we end up choosing. The opportunity to hear about research in other disciplines during the lunch talks was exciting, refreshing, and a reminder for me of why I went into the world of academia in the first place. The Miller Institute is a place that beautifully combines the intellectual, collaborative, and social aspects of science.



Gabor Somorjai Miller Professor 1977-78 Miller Senior Fellow 2009-2014 Professor of the Graduate School Department of Chemistry University of California Berkeley

The Miller Institute provides the meeting ground and the learning opportunities across interdisciplinary boundaries where the exchange of scientific information does not exist in most research groups, since the information flow is restricted to one scientific discipline.



Adam Summers Miller Fellow 1999-2001 Professor - Biology SAFS Friday Harbor Laboratories University of Washington

The Miller Institute was the single most important experience in my development

as a scientist. Being appointed as a Miller Fellow came with perks that certainly propelled my research in new directions and at unanticipated speeds, but the real intellectual expansion came at lunch. I may have missed a lunch, maybe two; but those meals were my highest professional priority for those two magical years. Talks by my fellow post-docs, Miller Research professors and visitors left me buzzing for the entire afternoon. These demonstrations of virtuosity inspired me as I worked hard to communicate my science and the importance of my field to the general public. It was a golden time of my career.



Marla Feller Miller Fellow 1994 - 1996 Professor and Head Neurobiology Division Department of Molecular and Cell Biology and Helen Wills Neuroscience Institute

University of California Berkeley The Miller Institute was an outstanding opportunity to pursue my interdisciplinary training. My time as a Miller Fellow was marked by fantastic talks with the people who are passionate about their science – no matter what the discipline.This exposure was critical for me to determine my future career-path.



Mikhail Shapiro Miller Fellow 2011-2013 Assistant Professor of Chemical Engineering Caltech

When I was considering becoming a Miller Fellow, Julius Lucks (who was 3 years ahead of me) told me I should "do it for the happy hours". I thought he was joking. But reflecting on my Miller experience, the happy hours were the most memorable highlight. To say that they gave me a chance to have interesting scientific discussions with some of the most brilliant people in the world doesn't quite capture the experience. After each such evening, I would come back to the lab a bit tipsy but invigorated by the knowledge that I was in the company of people who love science as much as I Jeremy Thorner Miller Professor 1984-85 & 1999-2000 Professor of Biochemistry & Molecular Biology University of California Berkeley

I found the weekly lunches, presentations,

retreats, and other gatherings and associations with each year's crop of Miller Fellows, other Miller Professors, and Visiting Miller Professors to be mind-expanding and exhilarating. The greatest benefit of those Miller years was, of course, the opportunity to focus exclusively on the basic research.

To read more visit: miller.berkeley.edu/reminiscences

Saul Perlmutter Nobel Prize in Physics, 2011 Breatkthrough Prize in Fundamental Physics, 2015 Miller Senior Fellow 2009 Professor of Physics University of California Berkeley

The most exciting conferences have experts in one science, of all ages and stages, presenting, without jargon, to experts in other sciences -- and then talking for hours over meals. Imagine that you could get to attend such a conference each week, even if just for one hour. That's the Miller Institute.



Fred Wilt Miller Professor 1968-69 and 1985-86 Professor of the Graduate School of Cell & Developmental Biology University of California Berkeley

I was fortunate enough to spend two separate occasions as a Miller Professor. The first was in the 1968-69 season, and it was a god-send. I had been working for tenure, and then immersed in the teaching and research expected of a newly tenured appointment. When I received the vote of confidence from the Miller Institute, it felt like a wonderful validation of my work. The second occasion was not like the first. I was simply tired of the repetitive nature of teaching and wanted time off, this time in 1985-86; I got it! If this had been all, I would have considered myself as very lucky. Shortly thereafter I was selected to serve as a member of the advisory board, and after one year I was elected to serve as Chair of the advisory board (1989-93). I shall always treasure this opportunity. Dustin R. Rubenstein Miller Fellow 2006-2009 Associate Professor of Ecology, Evolution and Environmental Biology Director, Program in Tropical Biology and Sustainability Co-director, Center for Integrative Animal Behavior Columbia University

I learned two important things as a Miller Fellow: (1) physics is the tie that binds all of our research together; and (2) it takes a long damn time to roast a pig.

Tanja Cuk Miller Fellow 2007-2010 Assistant Professor of Chemistry UC Berkeley

Sitting at a lunch table with Miller Fellows and awaiting the upcoming talk was a special expe-

rience. Everybody was engaged in a science-related conversation, without the stress that it might produce with a direct colleague in your field. And everybody was also looking forward to the talk, because we knew it would be at a high level, show you why a field is important, and teach you something about it. You would inevitably have a question swarming in your head by the end of the talk, whether you asked it or not. The same feeling accompanies a whole weekend of talks that happen at the end of every year near Tomales Bay, inter-dispersed with good food, wine, and views. Other than the weekly lunches, this weekend retreat was my favorite part of the Miller Fellowship!

Sheila Patek Miller Fellow 2001-2004 Associate Professor Duke University

When I look at my research program today, I see many threads that run directly back to my time at the Miller Institute. Eleven years later, I am still collaborating with my fellow Miller Fellows – we threw each other challenges as postdocs and we're still having fun tackling them together as faculty. The Miller Institute provided the best possible training in how to talk across disciplines, and this training has been key to launching and running a large interdisciplinary grant in my lab. Those Miller conversations taught me to ask "dumb" questions, ignore hierarchy, and listen, listen listen. David Chandler Miller Professor 1999-2000 Executive Committee of the Miller Institute 2002-2008 Professor Emeritus Professor of the Graduate School Department of Chemistry, University of California Berkeley

I feel so very fortunate to have been given the opportunity to benefit from enriching experiences of a decade-long association with the Miller Institute -- a Research Professorship for the 1999-2000 Academic Year, followed by service on the Institute's Executive Board from 2002 to 2008. The connections it facilitated to so many brilliant Miller Faculty and Fellows in so many different fields of science, mostly through the weekly Miller Lunches, but also the Annual Symposium, significantly influenced science I did during that decade and since.

Miller Institute Members A-H

Miller Inst	itute A	Aembers A	-H
Key:			Ben-Ami Bartal,
	ng Semester	-	Bennett, Albert
	emester	7	Bentley, David
	r Fellow		Bercaw, John
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VMP Visiti	ing Miller P	rofessor	
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Abeles, Moshe	VMP	S 1997	Berlekamp, Elwy
Abraham, Douglas	VMP	S 2007	Bern, Howard
Acrivos, Andreas	VMP	S 2003 1990 - 1991	Berne, Bruce
Adachi, Satoshi Adams, Jeffrey	MF MF	1983 - 1985	Bers, Lipman
Agapie, Theodor	MF	2007 - 2009	Bertschinger, Ed
Agol, Eric	VMP	S 2011	Bertsimas, Dimit Bezel, Ilya
Agol, Ian	MP	F 2012	Bialek, William
Aharonov, Yakir	VMP	S 1989	Bickel, Peter
Akeson, Rachel	MF	1996 - 1998	Bilham, Roger
Albarede, Francis	VMP	F 1996	Binetruy, Pierre
Aldous, David	MP	S 1993	Birdsall, Charles
Alexandrov, Evgeny	VMP	F 2001 -S 2001	Birkinshaw, Mark
Alivisatos, Paul	MP	2001 - 2002	Bisch, Dietmar
Altman, Ehud	VMP MP	F 2012	Bishop, Errett
Alvarez, Walter	MP	1986 - 1987 2001 - 2002	Black, Douglas
Alvarez-Buylla Roces		2001-2002	Blackmond, Dor
Maria	, VMP	F 2012	Blair, Phyllis Blake, Geoffrey
Ames, Giovanna	MP	F 1992	Blandford, Roge
Anantharaman, Nalin	ni VMP	S 2009	Bleichert, Franzis
Anderson, Greg	MF	1984 - 1986	Bloemen, Johani
Angelino, Elaine	MF	2014 - 2017	Blum, Manuel
Antoine, Michelle	MF	2014 - 2017	Blumich, Bernha
Arber, Werner	VMP	F 1970 -S 1971	Boddy, Lynne
Arenholz, Elke	MF MF	1997 - 1999	Bodin, Stephane
Arnold, Stevan Arons, Jonathan	MP	1971 - 1973 1985 - 1986	Bodin, Thomas
/ lions, jonathan	MP	2002 - 2003	Bolt, Bruce
Artacho, Emilio	VMP	F 2007	Bonacic-Koutec
Arveson, William	MP	1985 - 1986	Vlasta
	MP	1999 - 2000	Bondybey, Vlad
Ashburner, Michael	VMP	S 1986	Borcherds, Richa
Audet, Pascal	MF	2008 - 2011	Bouchiat, Vincer
Audley, Robert	VMP	S 1971	Bourlioux, Anne
Audouze, Jean	VMP	F 1986 S 2005 -S 2005	Bowman, Grego
Auzinsh, Marcis Avignon, Michel	VMP MF	1972 - 1974	Bowne, Samuel
Baccelli, Francois	VMP	F 2009	Bowyer, C Stuar
Backer, Donald	MP	S 2007	Branton, Daniel Brenner, David
Bade, William	MP	1965 - 1966	Brenner, Steven
Bader, Richard	VMP	F 1993	Brenninkmeijer,
Bahcall, Safi	MF	1995 - 1997	Briggs, Cheryl
Bakalov, Bojko	MF	2000 - 2003	Brillinger, David
Baker, Herbert	MP VMP	1966 - 1967	Brodie, III Edmu
Balbus, Steven Ball, Zachary	MF	S 2012 2004 - 2007	Brodsky, Emily
Banfield, Jillian	MP	2006 - 2007	Bromley, Le Roy
Bar-Natan, Dror	VMP	F 1999	Brookhart, Mau Browder, Andre
Barber, James	VMP	S 2001	Brown, Donald
Barbieri, Riccardo	VMP	F 1994	Brown, Justin
Barenblatt, Grigory	VMP	S 1996	Brown, Melanet
Barin, Gokhan	MF	2013 - 2016	Brown, Spencer
Barlow, George	MP	1970 - 1971	Brudvig, Gary
Barlow, Horace	MP VMP	1966 - 1967	Brumfiel, Grego
Barron, Laurence Barrow, John	MF	S 1995 1980 - 1981	Bruns, Carson
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Basri, Gibor	MP	1997 - 1998	Burch-Smith, Tes
Bateson, Patrick	VMP	S 1986	Burgmann, Rolai
Bausch, Andreas	VMP	F 2015	Burnside, Beth
Baxter, Rodney	VMP MF	S 1999 1989 - 1991	Burq, Nicolas
Beck, Warren Beckage, Nancy	VMP	1989 - 1991 S 1996	Burstein, Elias
Beddington, Rosa	VMP	S 1996	Busse, Friedrich
Behrensmeyer, Anna		1973 - 1975	Buzzard, Kevin Calvin, Melvin
Bejan, Adrian	MF	1976 - 1978	Cande, W. Zac
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artal, Inbal	MF	2014 - 2017
lbert	MF	1971 - 1973
avid	MP	1985 - 1986
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George	MP	1977 - 1978
Robert	MP	1982 - 1983
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, b, Elwyn	MP	1974 - 1975
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er, Edmund	MF	1985 - 1986
Dimitris	VMP	F 2002
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lierre	VMP	F 1996
narles Ned	MP	1963 - 1964
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Roger	VMP	F 2013
Franziska	MF	2010 - 2013
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, Richard	MP	2000 - 2001
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Anne	MF	1991 - 1993
Gregory	MF	2011 - 2014
muel	MF	1984 - 1986
Stuart	MP	1978 - 1979
aniel	MP	1968 - 1969
avid	VMP	F 2001
teven	MP	2007 - 2008
neijer, Carl	VMP	S 2011
eryl	MP	2006 - 2007
David	MP	1973 - 1974
Edmund	MF	1991 - 1993
mily	MF	2001 - 2002
e Ŕoy	MP	1958 - 1959
Maurice	VMP	F 1996
Andrew	MF	1963 - 1965
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Gregory	MF	1968 - 1970
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n, Philip	VMP	F 1996
	MF	2012 - 2015
mitry	MP	2002 - 2003
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th, Tessa	MF	2007 - 2010
, Roland	MP	S 2014
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evin	MF	1995 - 1997
elvin	MP	1960 - 1961
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4 - 2017	
4 - 2017 1 - 1973	Cane, James
5 - 1986	
	Cao, Linyou
990	Capdeville, Yann
7 - 1978 2 - 1983	Car, Roberto
2 - 1983	Cardona, Manue
993	Cardy, John
003	Carleton, Karen
994	Carlson, Eric
4 - 1975	
4 - 17/3	Carmichael, Ian
1 - 1962	Carter, W. Craig
994	Casavecchia, Pieg
968	Cason Jr, James
5 - 1986	Castro-Neto, Ant
002	Cesnavicius, Kesti
0 - 2003	Chabrier, Gilles
	Chadwick, Oliver
6 - 1987 9 - 1980	
9 - 1900	Chaikoff, I Lyon
004	Chakraborty, Aru
996	Chan, Candace
3 - 1964	Chan, Garnet
9 - 1981	Chan, Henry
001	Chandler, David
4 - 1965	
)13	Chandrachokaran
	Chandrashekaran
003	Maroli
4 - 1975	Chang, Christoph
5 - 1987	Chang, Philip
)13	Chang-Hasnain, C
0 - 2013	Chelikowsky, Jame
5 - 1987	Chen, Liu
990	Chen, Qian
	Chen Cault
006	Chen Szu-Yu, Sop
)14	Chen, Xie
2 - 2005 2 - 2015	Cherfils, Jacquelin
2 - 2015	Chern, Shiing-She
7 - 1968	
989	Chernin, Lawrence
	Chew, Geoffrey
999	Chiang Eugono
	Chiang, Eugene
998	Chiao, Raymond
0 - 2001	Choi, Hyoung Joo
007	Chopra, Anil
1 - 1993	
1 - 2014	Chorin, Alexandr
1 - 2014 4 - 1986	
8 - 1979	Christ, Michael
8 - 1979 8 - 1969	Christenson, Pegg
001	Chrzan, Daryl
7 - 2008	Chu, Paul
011	Chua, Leon
6 - 2007	Cirac, Juan Ignacio
3 - 1974	Claeson, Tord
1 - 1993	Clark, Alvin
1 - 2002 8 - 1959	Clark, J. Desmond
8 - 1959	Clarke, John
	Clarke, John
996	
3 - 1965	
993	Clarke, Steven
1 - 2013	Clary, David
2 - 1964	Clemens Jr, Willia
8 - 1969	Clottes, Jean
0 - 1982	Clough Jr, Ray
8 - 1970	Cohen, Ron
4 - 2017	Cohen, Judith
)09	Cohen, Marvin
996	
2 - 2015	
2 - 2003	Coimbra Jr, Carlo
)12	Cole, Brian
1 - 2012 7 - 2010	Coleman, Robert
	Collins, Kathleen
)14	Collins, O'Neil
1	Colmez, Pierre
002	Combes, Stacey
996	Conn, M. Morgar
003	Connes, Alain
95 - 1997	
	Cook, Sherburne
0 - 1961	Cooper, William
7 - 1988	Coneret Christon

	MP	1999 - 2000
Cane, James	MF	1982 - 1984
Cao, Linyou Capdeville, Yann	MF MF	2010 - 2013 2000 - 2003
Car, Roberto	VMP	S 1994
Cardona, Manuel	VMP	S 2000
Cardy, John	VMP	F 2015
Carleton, Karen	MF	1987 - 1989
Carlson, Eric	MF	1988 - 1990
Carmichael, lan	MP	1968 - 1969
Carter, W. Craig Casavecchia, Piegiorgic	VMP	F 2013 F 2000
Cason Jr, James	MP	1957 - 1958
Castro-Neto, Antonio	VMP	S 2010
Cesnavicius, Kestutis	MF	2014 - 2017
Chabrier, Gilles	VMP	F 1999
Chadwick, Oliver	VMP	F 1994
Chaikoff, I Lyon	MP	1963 - 1964
Chakraborty, Arup Chan, Candace	MP MF	S 2000 2009 - 2012
Chan, Garnet	MF	2000 - 2002
Chan, Henry	MF	1966 - 1968
Chandler, David	MP	F 1991
	MP	1999 - 2000
Chandrashekaran,	1.15	10/0 1070
Maroli	MF	1968 - 1970
Chang, Christopher	MP MF	2011 - 2012 2005 - 2008
Chang, Philip Chang-Hasnain, Connie		2003 - 2008
Chelikowsky, James	VMP	S 1999
Chen, Liu	VMP	F 1987
Chen, Qian	MF	2012 - 2015
Chen Szu-Yu, Sophie	MF	2006 - 2008
Chen, Xie	MF	2012 - 2014
Cherfils, Jacqueline Chern, Shiing-Shen	VMP MP	S 2016 1963 - 1964
Chem, Shing-Shen	MP	1969 - 1970
Chernin, Lawrence	MF	1993 - 1995
Chew, Geoffrey	MP	1981 - 1982
Chiang, Eugene	MP	F 2013
Chiao, Raymond	MP	F 1998
Choi, Hyoung Joon	MF	2000 - 2003
Chopra, Anil	MP MP	F 1990 2003 - 2004
Chorin, Alexandre	VMP	1971 - 1972
enonity richardre	MP	F 1982 - S 1983
Christ, Michael	MP	2000 - 2001
Christenson, Peggy	MF	1996 - 1998
Chrzan, Daryl	MP	S 2004
Chu, Paul	VMP	F 1991
Chua, Leon Cirac, Juan Ignacio	MP VMP	1976 - 1977 S 2014
Claeson, Tord	VMP	F 2004
Clark, Alvin	MP	1976 - 1977
Clark, J. Desmond	MP	1976 - 1977 1963 - 1964
Clarke, John	MP	1975 - 1976
	MP	F 1994
Clarke, Steven	MP MF	F 2007 1976 - 1978
Clary, David	VMP	S 2001
Clemens Jr, William	MP	1982 - 1983
Clottes, Jean	VMP	F 1991
Clough Jr, Ray	MP	1970 - 1971
Cohen, Ron	MP	F 2015 - S 2016
Cohen, Judith Cohen, Marvin	MF MP	1971 - 1973
Conen, Marvin	MP	1969 - 1970 1976 - 1977
	MP	F 1988
Coimbra Jr, Carlos	VMP	F 1993
Cole, Brian	MF	1972 - 1974
Coleman, Robert	MP	F 1994
Collins, Kathleen	MP	S 2011
Collins, O'Neil Colmez, Pierre	MP VMP	1973 - 1974 2011 - 2012
Combes, Stacey	MF	2004 - 2007
Conn, M. Morgan	MF	1994 - 1996
Connes, Alain	VMP	F 1987
Cook, Sherburne	MP	1960 - 1961 1975 - 1976
Cooper, William	MP	
Coperet, Christophe	Somorjai V	IVIP F 2015

Cornet, Israel	MP	1960 - 1961	Ekers, Ronald	VMP	F 2001	Galvani, Alison	MF	2002 - 2005
Cornsweet, Tom	MP	1963 - 1964	El-Sayed, Mostafa	VMP	S 2007	Garcia-Bellido, Antonio		F 1985
			/ /					
Cosslett, Stephen	MF	1971 - 1973	Ellis, John	VMP	S 1988	Gardner, Brooke	MF	2013 - 2016
Coussy, Olivier	VMP	F 2004	Emerson, Ralph	MP	1964 - 1965	Garrett, Steven	MF	1979 - 1981
/ /	MF			MF			MF	
Cox, Paul		1981 - 1983	Empedocles, Philip		1968 - 1970	Gaul, Ulrike		1989 - 1991
Craig, William	MP	1965 - 1966	Emr, Scott	MF	1981 - 1983	Gelbart, William	MF	1971 - 1973
Crainic, Marius	MF	2001 - 2002	Emsley, Lyndon	MF	1991 - 1993	Genzel, Reinhard	MF	1980 - 1982
Crandall, Michael	MP	F 1996	Enflo, Per	MF	1971 - 1973	Gerber, Gustav	VMP	F 1998
Croteau, Deborah	MF	1998 - 2000	Engel, Gregory	MF	2005 - 2008	Germann, Timothy	MF	1995 - 1997
				MF		. ,		
Crutchfield, James	MF	1983 - 1985	Engstrom, Alexander		2009 - 2012	Gillen, Keith	MF	1970 - 1972
Crutchfield, Richard	MP	1962 - 1963	Evans, Craig	MP	F 2001	Gladden, Lynn	VMP	S 1996
Crutsinger, Gregory	MF	2009 - 2012	. 0	MP	F 2002	Glaeser, Andreas	MP	F 1991
0,0,			5 11 1					
Csaki, Csaba	MF	1997 - 1999	Evans, Lloyd	VMP	F 1987	Glaser, Donald	MP	1962 - 1964
Cui, Yi	MF	2003 - 2005	Evans, Steven	MP	2002 - 2003	Glass, N. Louise	MP	2011 - 2012
	MF			MP			MP	S 2015
Cuk, Tanja		2007 - 2010	Everhart, Thomas		1969 - 1970	Glaunsinger, Britt		
Curtis, Garniss	MP	1959 - 1961	Evernden, Jack	MP	1957 - 1961	Glickman, Stephen	MP	F 1993
D'Andrea, Carlos	MF	2002 - 2005	Evrard, August	MF	1988 - 1990		MF	1962 - 1964
			Eviald, August					
D'Antonio, Carla	MP	F 1998		VMP	2006	Glover, Fred	MF	1966 - 1967
D'Eramo, Francesco	MF	2012 - 2015	Faber, Sandra	VMP	S 2005	Goldbeter, Albert	VMP	S 1989
Dagan, Gedeon	VMP	S 1991		MF	1988 - 1989	Goldfeld,		
			Fajans, Joel					
Dahlquist, Frederick	MF	1969 - 1971	Falcke, Heino	VMP	F 2006	Morris, Dorian	MF	1969 - 1971
	VMP	S 2001	Falicov, Leo	MP	1979 - 1980	Goldhaber, Alfred	MF	1964 - 1966
Dalton, Ryan	MF	2015 - 2018	Farley, Kenneth	VMP	S 2003	Goldhaber, Gerson	MP	1958 - 1959
Darevsky, Ilya	VMP	S 1991	Fatt, Irving	MP	1961 - 1962		MP	1975 - 1976
	MP	1961 - 1962		MF	2005 - 2008		MP	1984 - 1985
Dauben, William			Fattal, Raanan	IVII	2003 - 2008			
Davies, Julian	VMP	S 1988	Faucher-Giguere,			Goldhaber, Maurice	VMP	F 2000
Davis, J. Seamus	MP	2000 - 2001	Claude-Andre	MF	2010 - 2013	Goldreich, Oded	VMP	F 1996
10								
Davis, Marc	MP	1986 - 1987	Fedonkin, Mikhail	VMP	F 1994	Goldreich, Peter	VMP	F 1990
	MP	S 2000	Feild, Taylor	MF	2001 - 2003	Goldstein, Allen	MP	S 2011
Dawson, Rebekah	MF	2013 - 2016	Feldman, Jacob	MP	1977 - 1978	Goldstein, Robert	MF	1996 - 1998
Dawson, Todd	MP	F 2004	Feldman, Lewis	MF	1976 - 1978	Gomperts, B D	VMP	F 1994
Day, Adam	MF	2011 - 2013	Feller, Marla	MF	1994 - 1996	Good, Matthew	MF	2010 - 2013
Dayel, Mark	MF	2006 - 2009	Felsenstein, Joseph	VMP	F 2012	Gordon, Richard	VMP	S 2000
De Beer, Esther	MF	1993 - 1995	Feng, Edward	MF	2005 - 2008	Gorman, George	MF	1968 - 1971
De Boer, Jan	MF	1996 - 1998	Feng, Jonathan	MF	1995 - 1997	Graham, James	MP	2013 - 2014
de Haan, Tijmen	MF	2014 - 2017	Fenton, John	VMP	F 1992	Graves, Genevieve	MF	2009 - 2012
De Ome, Kenneth	MP	1967 - 1968	Ferrara, Sergio	VMP	F 2008	Gray, Harry	VMP	F 1985
De Pater, Imke	MP	S 1993	Ferraro, Simone	MF	2015 - 2018	Green, Andrew	VMP	S 2009
	MP	2003 - 2004	Ferris, Stephen	MF	1978 - 1980	Green, Jeremy	MF	1992 - 1994
De Swiet Ihomas	N/F	1006 - 1008	Latter Alevander	ME	1963 - 1965	Green Michael	VAAD	E 1003
De Swiet, Thomas	MF	1996 - 1998	Fetter, Alexander	MF	1963 - 1965	Green, Michael	VMP	F 1993
De Swiet, Thomas Debreu, Gerard	MF	1996 - 1998 1973 - 1974	Fetter, Alexander Filippenko, Alex	MF	1963 - 1965 1984 - 1986	Green, Michael Green, Roger	VMP	F 1993 F 1994
Debreu, Gerard	MP	1973 - 1974		MF	1984 - 1986	Green, Roger	VMP	F 1994
Debreu, Gerard Dekel, Avishai	MP VMP	1973 - 1974 S 2004		MF MP S	1984 - 1986 1996	Greene, Roger Greene, Chris	VMP VMP	F 1994 S 2007
Debreu, Gerard Dekel, Avishai Dekel-Tabak, Eddie	MP VMP MF	1973 - 1974 S 2004 1986 - 1988	Filippenko, Alex	MF MP S MP S	1984 - 1986	Green, Roger Greene, Chris Greene, Jenny	VMP VMP VMP	F 1994 S 2007 F 2015
Debreu, Gerard Dekel, Avishai	MP VMP	1973 - 1974 S 2004		MF MP S	1984 - 1986 1996	Greene, Roger Greene, Chris	VMP VMP	F 1994 S 2007
Debreu, Gerard Dekel, Avishai Dekel-Tabak, Eddie Deniro, Michael	MP VMP MF VMP	1973 - 1974 S 2004 1986 - 1988 F 2000	Filippenko, Alex Filippenko, Alexei	MF MP S MP S MP	1984 - 1986 1996 2005	Green, Roger Greene, Chris Greene, Jenny Greenham, Neil	VMP VMP VMP MF	F 1994 S 2007 F 2015 1995 - 1996
Debreu, Gerard Dekel, Avishai Dekel-Tabak, Eddie Deniro, Michael DePaolo, Donald	MP VMP MF VMP MP	1973 - 1974 S 2004 1986 - 1988 F 2000 1997 - 1998	Filippenko, Alex Filippenko, Alexei Fine, Terrence	MF MP S MP S MP MF	1984 - 1986 1996 2005 1964 - 1966	Green, Roger Greene, Chris Greene, Jenny	VMP VMP VMP MF MF	F 1994 S 2007 F 2015 1995 - 1996 1990 - 1992
Debreu, Gerard Dekel, Avishai Dekel-Tabak, Eddie Deniro, Michael DePaolo, Donald Dericqles, Armand	MP VMP MF VMP MP VMP	1973 - 1974 S 2004 1986 - 1988 F 2000 1997 - 1998 S 2000	Filippenko, Alex Filippenko, Alexei	MF MP S MP S MP MF MF	1984 - 1986 1996 2005 1964 - 1966 2012 - 2015	Green, Roger Greene, Chris Greene, Jenny Greenham, Neil Greenhill, Lincoln	VMP VMP VMP MF VMP	F 1994 S 2007 F 2015 1995 - 1996 1990 - 1992 F 2009
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Debreu, Gerard Dekel, Avishai Dekel-Tabak, Eddie Deniro, Michael DePaolo, Donald Dericqles, Armand Derosier, David Desoer, Charles	MP VMP MF VMP VMP VMP VMP MP	1973 - 1974 S 2004 1986 - 1988 F 2000 1997 - 1998 S 2000 F 2000 1966 - 1967	Filippenko, Alex Filippenko, Alexei Fine, Terrence Finnigan, Gregory Fish, Robert Fish, Robert Fisher, Matthew	MF MP S MP S MF MF MF VMP	1984 - 1986 1996 2005 1964 - 1966 2012 - 2015 1961 - 1963 \$ 1991	Green, Roger Greene, Chris Greene, Jenny Greenham, Neil Greenhill, Lincoln Griffiths, Phillip	VMP VMP MF MF VMP VMP VMP MF	F 1994 S 2007 F 2015 1995 - 1996 1990 - 1992 F 2009 F 1975 - S 1976 1962 - 1964
Debreu, Gerard Dekel, Avishai Dekel-Tabak, Eddie Deniro, Michael DePaolo, Donald Dericqles, Armand Derosier, David	MP VMP MF VMP MP VMP VMP	1973 - 1974 S 2004 1986 - 1988 F 2000 1997 - 1998 S 2000 F 2000	Filippenko, Alex Filippenko, Alexei Fine, Terrence Finnigan, Gregory Fish, Robert	MF MP S MP S MP MF MF MF	1984 - 1986 1996 2005 1964 - 1966 2012 - 2015 1961 - 1963	Green, Roger Greene, Chris Greene, Jenny Greenham, Neil Greenhill, Lincoln	VMP VMP MF MF VMP VMP	F 1994 S 2007 F 2015 1995 - 1996 1990 - 1992 F 2009 F 1975 - S 1976
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Debreu, Gerard Dekel, Avishai Dekel-Tabak, Eddie Deniro, Michael DePaolo, Donald Dericqles, Armand Derosier, David Desoer, Charles Deutsch, Ivan Devore, Irven	MP VMP MF VMP MP VMP VMP VMP MF	1973 - 1974 S 2004 1986 - 1988 F 2000 1997 - 1998 S 2000 F 2000 1966 - 1967 F 1999 1961 - 1962	Filippenko, Alex Filippenko, Alexei Fine, Terrence Finnigan, Gregory Fish, Robert Fisher, Matthew Fletcher, John Flytzanis, Christos	MF MP S MP MF MF MF VMP MF VMP	1984 - 1986 1996 2005 1964 - 1966 2012 - 2015 1961 - 1963 S 1991 1960 - 1962 F 2000	Green, Roger Greene, Chris Greene, Jenny Greenham, Neil Greenhill, Lincoln Griffiths, Phillip Griffiths, Robert Grigoropoulos, Costas	VMP VMP MF MF VMP VMP MF VMP MF VMP MP	F 1994 S 2007 F 2015 1995 - 1996 1990 - 1992 F 2009 F 1975 - S 1976 1962 - 1964 2011 - 2012 F 1999
Debreu, Gerard Dekel, Avishai Dekel-Tabak, Eddie Deniro, Michael DePaolo, Donald Dericqles, Armand Derosier, David Desoer, Charles Deutsch, Ivan Devore, Irven Dichtel, William	MP VMP MF VMP MP VMP VMP VMP MF VMP	1973 - 1974 S 2004 1986 - 1988 F 2000 1997 - 1998 S 2000 F 2000 1966 - 1967 F 1999 1961 - 1962 S 2016	Filippenko, Alexei Filippenko, Alexei Fine, Terrence Finnigan, Gregory Fish, Robert Fisher, Matthew Fletcher, John Flytzanis, Christos Folman, Ron	MF MP S MP MF MF MF VMP MF VMP VMP	1984 - 1986 1996 2005 1964 - 1966 2012 - 2015 1961 - 1963 S 1991 1960 - 1962 F 2000 F 2013	Green, Roger Greene, Chris Greene, Jenny Greenham, Neil Greenhill, Lincoln Griffiths, Phillip Griffiths, Robert Grigoropoulos, Costas Grimmeiss, Hermann	VMP VMP MF MF VMP VMP MF VMP MP VMP VMP	F 1994 S 2007 F 2015 1995 - 1996 1990 - 1992 F 2009 F 1975 - S 1976 1962 - 1964 2011 - 2012 F 1999 S 1991
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Debreu, Gerard Dekel, Avishai Dekel-Tabak, Eddie Deniro, Michael DePaolo, Donald Dericqles, Armand Derosier, David Desoer, Charles Deutsch, Ivan Devore, Irven Dichtel, William Dietrich, William	MP VMP MF VMP MP VMP VMP VMP VMP MF VMP MP	1973 - 1974 S 2004 1986 - 1988 F 2000 1997 - 1998 S 2000 F 2000 1966 - 1967 F 1999 1961 - 1962 S 2016 1998 - 1999	Filippenko, Alexei Filippenko, Alexei Fine, Terrence Finnigan, Gregory Fish, Robert Fisher, Matthew Fletcher, John Flytzanis, Christos Folman, Ron Ford, Eric	MF MP S MP MF MF MF VMP MF VMP VMP VMP	1984 - 1986 1996 2005 1964 - 1966 2012 - 2015 1961 - 1963 S 1991 1960 - 1962 F 2000 F 2013 2003 - 2006	Green, Roger Greene, Chris Greene, Jenny Greenham, Neil Greenhill, Lincoln Griffiths, Phillip Griffiths, Robert Grigoropoulos, Costas Grimmeiss, Hermann Gringarten, Alain	VMP VMP MF MF VMP VMP MF VMP MP VMP MP VMP MF	F 1994 S 2007 F 2015 1995 - 1996 1990 - 1992 F 2009 F 1975 - S 1976 1962 - 1964 2011 - 2012 F 1999 S 1991 1970 - 1972
Debreu, Gerard Dekel, Avishai Dekel-Tabak, Eddie Deniro, Michael DePaolo, Donald Dericqles, Armand Derosier, David Desoer, Charles Deutsch, Ivan Devore, Irven Dichtel, William Dietrich, William	MP VMP MF VMP MP VMP VMP VMP VMP MF VMP MP MP	1973 - 1974 S 2004 1986 - 1988 F 2000 1997 - 1998 S 2000 F 2000 1966 - 1967 F 1999 1961 - 1962 S 2016 1998 - 1999 S 1958	Filippenko, Alexei Fine, Terrence Finnigan, Gregory Fish, Robert Fisher, Matthew Fletcher, John Flytzanis, Christos Folman, Ron Ford, Eric Forte, John	MF MP S MP MF MF VMP MF VMP VMP VMP VMP MF MP	1984 - 1986 1996 2005 1964 - 1966 2012 - 2015 1961 - 1963 S 1991 1960 - 1962 F 2000 F 2013 2003 - 2006 1981 - 1982	Green, Roger Greene, Chris Greene, Jenny Greenham, Neil Greenhill, Lincoln Griffiths, Phillip Griffiths, Robert Grigoropoulos, Costas Grimmeiss, Hermann Gringarten, Alain Gromoll, Detlef	VMP VMP MF MF VMP VMP MF VMP MP VMP MF MF	F 1994 S 2007 F 2015 1995 - 1996 1990 - 1992 F 2009 F 1975 - S 1976 1962 - 1964 2011 - 2012 F 1999 S 1991 1970 - 1972 1966 - 1968
Debreu, Gerard Dekel, Avishai Dekel-Tabak, Eddie Deniro, Michael DePaolo, Donald Dericqles, Armand Derosier, David Desoer, Charles Deutsch, Ivan Devore, Irven Dichtel, William Dietrich, William Diliberto, Stephen Dinur, Irit	MP VMP MF VMP VMP VMP VMP MF VMP MF VMP MF	1973 - 1974 S 2004 1986 - 1988 F 2000 1997 - 1998 S 2000 F 2000 1966 - 1967 F 1999 1961 - 1962 S 2016 1998 - 1999 S 1958 2003 - 2004	Filippenko, Alexei Filippenko, Alexei Fine, Terrence Finnigan, Gregory Fish, Robert Fisher, Matthew Fletcher, John Flytzanis, Christos Folman, Ron Ford, Eric Forte, John Foster, Adriance	MF MP S MP MF MF VMP MF VMP VMP VMP MF MP	1984 - 1986 1996 2005 1964 - 1966 2012 - 2015 1961 - 1963 S 1991 1960 - 1962 F 2000 F 2013 2003 - 2006 1981 - 1982 1962 - 1963	Green, Roger Greene, Chris Greene, Jenny Greenham, Neil Greenhill, Lincoln Griffiths, Phillip Griffiths, Robert Grigoropoulos, Costas Grimmeiss, Hermann Gringarten, Alain Gromoll, Detlef Grunbaum, Alberto	VMP VMP MF MF VMP VMP MF VMP MP VMP MF MF MF MP	F 1994 S 2007 F 2015 1995 - 1996 1990 - 1992 F 2009 F 1975 - S 1976 1962 - 1964 2011 - 2012 F 1999 S 1991 1970 - 1972 1966 - 1968 2000 - 2001
Debreu, Gerard Dekel, Avishai Dekel-Tabak, Eddie Deniro, Michael DePaolo, Donald Dericqles, Armand Derosier, David Desoer, Charles Deutsch, Ivan Devore, Irven Dichtel, William Dietrich, William	MP VMP MF VMP MP VMP VMP VMP VMP MF VMP MP MP	1973 - 1974 S 2004 1986 - 1988 F 2000 1997 - 1998 S 2000 F 2000 1966 - 1967 F 1999 1961 - 1962 S 2016 1998 - 1999 S 1958	Filippenko, Alexei Fine, Terrence Finnigan, Gregory Fish, Robert Fisher, Matthew Fletcher, John Flytzanis, Christos Folman, Ron Ford, Eric Forte, John	MF MP S MP MF MF VMP MF VMP VMP VMP VMP MF MP	1984 - 1986 1996 2005 1964 - 1966 2012 - 2015 1961 - 1963 S 1991 1960 - 1962 F 2000 F 2013 2003 - 2006 1981 - 1982	Green, Roger Greene, Chris Greene, Jenny Greenham, Neil Greenhill, Lincoln Griffiths, Phillip Griffiths, Robert Grigoropoulos, Costas Grimmeiss, Hermann Gringarten, Alain Gromoll, Detlef	VMP VMP MF MF VMP VMP MF VMP MP VMP MF MF	F 1994 S 2007 F 2015 1995 - 1996 1990 - 1992 F 2009 F 1975 - S 1976 1962 - 1964 2011 - 2012 F 1999 S 1991 1970 - 1972 1966 - 1968
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Debreu, Gerard Dekel, Avishai Dekel-Tabak, Eddie Deniro, Michael DePaolo, Donald Dericqles, Armand Derosier, David Desoer, Charles Deutsch, Ivan Devore, Irven Dichtel, William Dietrich, William Diliberto, Stephen Dinur, Irit Disalvo, Francis Ditlevsen, Ove	MP VMP MF VMP VMP VMP VMP MF VMP MF VMP MF VMP VMP VMP VMP	1973 - 1974 S 2004 1986 - 1988 F 2000 1997 - 1998 S 2000 F 2000 1966 - 1967 F 1999 1961 - 1962 S 2016 1998 - 1999 S 1958 2003 - 2004 F 1999 S 2000	Filippenko, Alex Filippenko, Alexei Fine, Terrence Finnigan, Gregory Fish, Robert Fish, Robert Fisher, Matthew Fletcher, John Flytzanis, Christos Folman, Ron Ford, Eric Forte, John Foster, Adriance Fox, Ronald Francis, Matthew	MF MP S MP MF MF VMP MF VMP MF MP MP MP MF MF	1984 - 1986 1996 2005 1964 - 1966 2012 - 2015 1961 - 1963 S 1991 1960 - 1962 F 2000 F 2013 2003 - 2006 1981 - 1982 1962 - 1963 1969 - 1971 1999 - 2001	Green, Roger Greene, Chris Greene, Jenny Greenham, Neil Greenhill, Lincoln Griffiths, Phillip Griffiths, Robert Grigoropoulos, Costas Grimmeiss, Hermann Gringarten, Alain Gromoll, Detlef Grunbaum, Alberto Gubbins, David Guionnet, Alice	VMP VMP MF MF VMP MF VMP MF VMP MF MF MF MF MF VMP VMP VMP	F 1994 S 2007 F 2015 1995 - 1996 1990 - 1992 F 2009 F 1975 - S 1976 1962 - 1964 2011 - 2012 F 1999 S 1991 1970 - 1972 1966 - 1968 2000 - 2001 F 2009 F 2006
Debreu, Gerard Dekel, Avishai Dekel-Tabak, Eddie Deniro, Michael DePaolo, Donald Dericqles, Armand Derosier, David Desoer, Charles Deutsch, Ivan Devore, Irven Dichtel, William Dietrich, William Dietrich, Stephen Dinur, Irit Disalvo, Francis Ditlevsen, Ove Doering, Tamara	MP VMP MF VMP VMP VMP VMP VMP MF VMP MF VMP MF VMP MF	1973 - 1974 S 2004 1986 - 1988 F 2000 1997 - 1998 S 2000 F 2000 1966 - 1967 F 1999 1961 - 1962 S 2016 1998 - 1999 S 1958 2003 - 2004 F 1999 S 2000 1993 - 1995	Filippenko, Alexe Filippenko, Alexei Fine, Terrence Finnigan, Gregory Fish, Robert Fisher, Matthew Fletcher, John Flytzanis, Christos Folman, Ron Ford, Eric Forte, John Foster, Adriance Fox, Ronald Francis, Matthew Frank, Dara	MF MP S MP MF MF VMP MF VMP MF MP MF MP MF MP MF MF MF MF	1984 - 1986 1996 2005 1964 - 1966 2012 - 2015 1961 - 1963 S 1991 1960 - 1962 F 2000 F 2013 2003 - 2006 1981 - 1982 1962 - 1963 1969 - 1971 1999 - 2001 S 1997	Green, Roger Greene, Chris Greene, Jenny Greenham, Neil Greenhill, Lincoln Griffiths, Phillip Griffiths, Robert Grigoropoulos, Costas Grimmeiss, Hermann Gringarten, Alain Gromoll, Detlef Grunbaum, Alberto Gubbins, David Guionnet, Alice Gupta, Subhadeep	VMP VMP MF MF VMP VMP MF VMP MP VMP MF MF MF MP VMP	F 1994 S 2007 F 2015 1995 - 1996 1990 - 1992 F 2009 F 1975 - S 1976 1962 - 1964 2011 - 2012 F 1999 S 1991 1970 - 1972 1966 - 1968 2000 - 2001 F 2009
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Miller Institute Members H-P

Key:							
		Semester					
	Fall Ser Miller I						
		Senior Fellow					
		Professor g Miller Professor					
VMP	Visiting	g Miller Pro	otessor				
		1.15	10/7 10/0				
Hardy, John		MF	1967 - 1969				
Harland, Richard Harris, Charles	L	MP MP	F 2010 1984 - 1985				
Harris, Morgan		MP	1963 - 1965				
Harris, Robert		MP	1975 - 1976				
Harris, Stephen		MF	1976 - 1977				
r larns, stephen		VMP	2011 - 2012				
Harrison, Jenny		MP	F 2007				
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Harrison, John		MF	1989 - 1991				
Harte, John		MP	S 2006				
Hartshorne, Rol	oin	MP	1980 - 1981				
Hartwig, John		VMP	F 2009				
Harvey, Daniel		MF	1985 - 1987				
Hasuo, Shinya	1 1	VMP	F 1993				
Haszprunar, Ger	rhard	VMP	F 2001				
Hauber, Mark		MF	2002 - 2005				
Hausel, Tamas		MF	1999 - 2002				
Havenith-Newe	n,	VAD	F 2014				
Martina Hawking Cilbor	+	VMP	F 2014				
Hawkins, Gilber	ι	MF VMP	1973 - 1975 S 2001				
Haxton, Wick		MP	1962 - 1963				
Hay, Richard		MP	1962 - 1963 1969 - 1970				
Hayakawa, Hisa	0	VMP	S 1988				
Hayes, Alexande	er	MF	2011 - 2014				
Head-Gordon,		MP	2001 - 2002				
Heald, Rebecca		MP	2009 - 2010				
Hearst, John		MP	1970 - 1971				
Heath, James		MF	1988 - 1990				
Heathcock, Clay	/ton	MP	1982 - 1983				
		MP	F 1992				
Hedrick, Stephe	en	VMP	F 1999				
Hein, Jotun		VMP	S 2011				
Heizer, Robert		MP	S 1961				
		MP	F 1964				
Hejnowicz, Zygi		VMP	S 1998				
Helgeson, Haro	Id	MP	1975 - 1976				
Helson, Henry	da	MP MF	F 1964 2006 - 2009				
Heluani, Reimur Hemingway, Do		MF	2008 - 2009				
Henderson, Ric	hard	VMP	S 1993				
Hendry, Andrey		VMP	F 2015				
Henry, Clarissa		MF	2001 - 2004				
Hensley, Prestor	ſ	MF	1975 - 1977				
Hermanson, Joh		MF	1968 - 1970				
Herrmann, Gun		VMP	S 1987				
Herschbach, Du		VMP	S 1997				
Herskovits, Ana		MF	2003 - 2006				
Hickman, Carole	9	MP	F 1994				
Hintz, Peter		MF	2015 - 2018				
Hirano, Susan		VMP	S 1991				
Hirsch, Morris	1	MP	1972 - 1973				
Hirzebruch, Frie	drich	VMP	S 1973				
Ho, Paul		MF	1979 - 1981				
Hochberg, Mich		VMP	S 2009				
Hochschild, Ger	nard	MP MP	1960 - 1961 1968 - 1969				
Hodges, Joseph		MP	1968 - 1969				
Hoehna, Sebast		MF	2014 - 2017				
Hogerheijde, M		MF	1998 - 2001				
Hoggatt, Austin		MP	1960 - 1961				
Holley, Richard		MF	1969 - 1971				
Holm, Richard		VMP	F 1986				
Holmer, Bruce		MF	1983 - 1985				
Holsinger, Kent		MF	1982 - 1984				
Holton, James		VMP	S 2004				
Hook, John		VMP	F 1986				
Hopkins, Philip		MF	2008 - 2011				
Hopper, Stephe	en	VMP	S 1990				
Horn, Gabriel		VMP	S 1989				

Hoshi, Motonori	VMP
Hosokawa, Keiichi	MF
Howell, Francis	MP
Hoy, Ronald	VMP
Hrushovski, Ehud	VMP
Hsiang, Wu-Yi	MP
Hsu, Chao-Ping Cherri	MF
Hsu, Chieh-Su	MP
Huang, Jiaxing	MF
Huber, Peter	MF
Huelsenbeck, John	MF
Huerre, Patrick	VMP
Huerre, Fatrick	
Huey, Raymond	MF
Hughes, Meredith	MF
Hunt, Cassandra Cassi	MF
Hunt, Thomas	MF
Hunt, William	MF
Hunter, III John	MF
Hyman, Larry	MF
agolnitzer, Daniel	MF
bach, Harald	VMP
llingworth, Garth	MF
ngram, B Lynn	MP
Inkelas, Sharon	MF
lsaac, Glynn	MP
Isacoff, Éhud	MP
Izumi, Masaki	MF
ablonski, David	MF
ackson, William	MP
acobson, Raymond	MF
affe, Jules	VMP
ain ,Prashant	MF
lameson, Cynthia	VMP
laric, Marko	MF
ayawardhana, Ray	MF
lean, Michel	
	MF
leanloz, Raymond	MP
	MSF
effries, Carson	MP
	MP
ellinek, Mark	MF
lenkins, David Iensen, William	MF
lensen, William	MP
	MP
lewell, Nicholas	MP
	MP
ha, Saurabh	MF
ia, Nancy	MF
irsa, James	VMP
ohansson, August	MF
lohnson, Barry	VMP
lohnson, Lane	MP
lohnson, Ronald	MF
ones, Russell	MP
ones, Vaughan	MP
lordan, Michael	MP
uenger, Thomas	MF
lung, YounJoon	MF
Kadonaga, James	MF
Kaindl, Gunter	MF
Kallman Robert	MF
Kallman, Robert Kamber, Franz	MF
Kambel, Hallz Kamionkowski Marc	VMP
Kamionkowski, Marc	
Kannan, Ravindran	VMP
Kaplan, Donald	MP
Kaplan, Robert	MF
Kapouleas, Nicolaos	MF
Kappen, Hilbert	VMP
Kardar, Mehran	VMP
Karoubi, Max	VMP
Karp, Richard	MP
Kasparov, Gennadi	VMP
Kass, Robert	VMP
Katchalsky, Aharon	VMP
Kato, Tosio	MP
Katz, Nicholas	VMP
Kaufer, Daniela	MP
Kauffmann, Guinevere	MF
Kawahigashi, Yasuyuki	MF
Kawai, Takahiro	MF

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Kawamata, Yujiro	MF	17
Kawarabayashi, Yutaka	VMP	F2 F2 F
Keaveny, Tony	MP	F 4
Kechris, Alexander	VMP	
Keers, Henk	MF	19
Keldysh, Leonid	VMP	F
Keller, Edward	MP	F
Keller, Sarah Somorjai	VMP	S
Keller, Ursula	VMP	S Z
		19
Kelley, John	MP	
Kelly, James	MP	F
Ketonen, Jussi	MF	19
Keunings, Roland	MF	19
Keys, David	MF	19
Khalil, Munira	MF	20
Khare, Chandrashekhar		5
	MP	S 2 F
Kiefer, Jack		
Kim, Justin	MF	20
Kim, Philip	MF	19
Kim, Sung-Hou	MP	19
	MP	F
Kim, Yong Baek	VMP	F
King, David	VMP	S
King, Eric	MF	20
Kingsolver, Joel	MF	19
Kinsey, James	MF	19
Kip, Arthur	MP	19
Kirby, Robion	MP	19
Kirch, Patrick	MP	S
		20
Kirchner, James	MP	
Kirillov, Alexandre	VMP	S
Kirkpatrick, Mark	MF	19
	VMP	FI
Kirschner, Marc	VMP	F2
Kirshner, Robert	VMP	S
Kittel, Charles	MP	19
Kivelson, Steven	VMP	F
Klainerman, Sergiu	MF	19
Klass, Michael	MF	19
	MP	19
Klein, Michael	VMP	S
Klement Jr, William	MF	19
Klemperer, William	VMP	F ' S '
Klingenberg, Wilhelm	VMP	2
Klinman, Judith	MP	F
	MP	20
Knight, Walter	MP	19
Knirk, Dwayne	MF	19
Knowles, Lacey	VMP	F 2
	MF	
Knutson, Heather		20
Kobayashi, Shiro	MP	19
Koch, Herbert	VMP	SZ
Koehl, Mimi	MP	20
	MP	SI
Koel, Bruce	MF	19
Kolbert, Andrew	MF	19
Korenaga, Jun	MF	20
Kostant, Bertram	MP	19
Kramer, Andrew	MF	19
Kravtsov, Andrey	VMP	F 2
Krebs, Charles	MF	19
Krech, David	MP	19
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Kub Ernort	MP	19
Kuh, Ernest		
Kulkarni, Shrinivas	VMP	S
Kustu, Sydney	MP	20
Lacey, Eileen	MF	19
Lackenby, Marc	MF	19
Lada, Charles	VMP	S
Lahiri, Aditi	VMP	S Z
		20
Laidre, Mark	MF	20
Laitone, Edmund	MP	F
Lam, Tsit-Yuen	MP	19
Land, Michael	MF	19
Lande, Russell	MP	20
Lang, Serge	VMP	F 2
	MF	19
Langlands, Robert		17
Langley, Charles	VMP	F2
Larsson, Mats	VMP	20
Lavie, Nilli	MF	19

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1965 - 1966 1965 - 1966 S 1995 2005 - 2006 1994 - 1996 1997 - 1998 S 2001 S 2014 2010 - 2013 F 1960 1978 - 1979 1967 - 1969 2004 - 2005 F 2004 1964 - 1965 F 2013
1965 - 1966 1965 - 1966 S 1995 2005 - 2006 1994 - 1996 1997 - 1998 S 2001 S 2014 2010 - 2013 F 1960 1978 - 1979 1967 - 1969 F 2004 1964 - 1965 F 2013 2001 - S 2002
1965 - 1966 1965 - 1966 S 1995 2005 - 2006 1994 - 1996 1997 - 1998 S 2001 S 2014 2010 - 2013 F 1960 1978 - 1979 1967 - 1969 2004 - 2005 F 2004 1964 - 1965

Lawranc,e Warren	MF	1983 - 1985	Mannervik, Bengt	VMP	S 2004	Moss, Wayne	MF	1968 - 1970
Lawrence, Peter	VMP	S 2002	Manolopoulos, David	VMP	2011 - 2012	Mossel, Elchanan	MF	2002 - 2005
Lazarus, Richard	MP	1970 - 1971	Mantovan, Elena	MF	2002 - 2005	Mosteller, Frederick	VMP	1974 -S 1975
Lecam, Lucien	MP	1971 - 1972		MF	1995 - 1997		MF	1997 - 1999
			Maoz, Eyal			Motani, Ryosuke		
Lee, Adrian	MP	2008 -S 2009	Marcus, Neil	MF	1984 - 1986	Mross, George	MF	1971 - 1973
Lee, Cin Ty	VMP	2011 - 2012	Marcus, Philip	MP	2005 - 2006	Muetterties, Earl	MP	1980 - 1981
Lee, Dung-Hai	MP	S 1999	Marcy, Geoff	MP	2011 - 2012	Mukamel, Shaul	VMP	S 1996
Lee, Edward	MP	F 1999	,,	MSF	2015	Mukharsky, Yury	MF	1991 - 1993
Lee, Patrick	VMP	S 2003	Marg, Elwin	MP	1967 - 1968	Muller, Andreas	VMP	S 1992
Lee, Yuan	MP	1981 - 1982	Markenscoff, Xanthippi		F 2003	Muller, Dietrich	MF	1968 - 1970
Lehmann, Erich	MP	1962 - 1963	Marletta, Michael	VMP	F 2000	Muller, Richard	MP	1990
	MP	1972 - 1973	Marley, Anthony	MF	1965 - 1967	Muller-Dethlefs, Klaus	VMP	F 2006
Lehmer, Derrick	MP	1962 - 1963	Marsden, Jerrold	MP	1981 - 1982	Mulmuley, Ketan	MF	1985 - 1987
Leinaas, Jon	VMP	F 2002	Martell, Jeffrey	MF	2015 - 2018	Murayama, Hitoshi	MP	S 2006
	MP	1966 - 1967	Martin, Christopher	MF	2013 - 2016	Murdoch, William	MP	S 2000
Leitmann, George								
Lenstra Jr, Hendrik	MP	S 1994	Martin, Gaven	VMP	F 2002	Murray, Norman	VMP	F 2003
Leone, Stephen	VMP	F 1990	Martinelli, Fabio	VMP	F 2002	Muthukumar,		
	MP	S 2010	Martinez, Gerard	VMP	S 1998	Murugappan	VMP	S 1999
Lester, Marsha	VMP	S 2003	Martins, Jose Luis	MF	1985 - 1987	Myers, Judith	MF	1970 - 1972
Levanda, Carole	MF	1975 - 1977	Marynick, Dennis	MF	1973 - 1975	Myers, Philip	VMP	S 2004
Stranger and a second								
Levin, Simon	VMP	S 2003	Mascarello, James	MF	1974 - 1976	Myerscough, Valerie	MF	1965 - 1967
Levine, Raphael	VMP	F 1989	Mason, Keith	MF	1977 - 1979	Naghdi, Paul	MP	1963 - 1964
Levitan, Edwin	VMP	F 2002	Mathevon, Nicolas	VMP	F 2008		MP	1971 - 1972
Levitzki, Alexander	VMP	S 2008	Matsen, Frederick	MF	2007 - 2010	Nandi, Satyabrata	MP	1970 - 1971
Lheureux, Davy	MF	2000 - 2003	Matsuyama, Isamu	MF	2008 - 2011	Nathanson, Gilbert	MF	1985 - 1987
Li, Chen	MF	2012 - 2015	Matthias, Eckart	MF	1963 - 1965	Natzle, Jeanette	MF	1981 - 1983
Licht, Paul	MP	1973 - 1974	Mauri, Francesco	MF	1994 - 1996	Navon, Gil	VMP	F 1997
Lichtenberg, Allan	MP	1968 - 1969	Mayo, Stephen	MF	1987 - 1989	Nekovar, Jan	MF	1991 - 1993
Lichtsteiner, Serge	MF	1990 - 1992	Mazia, Daniel	MP	1957 - 1959	Nesbitt, David	MF	1982 - 1984
Lidicker Jr, William	MP	1967 - 1968	Mazumder, Asit	VMP	S 2011	Neuhaus, Arndt	MF	1993 - 1994
Lin, Milo	MF	2012 - 2015	Mazur, Barry	VMP	S 1992	Neumark, Daniel	MP	1999 - 2000
	MF	1973 - 1975		MF	2001 - 2004		MF	2011 - 2014
Lind, Douglas			McCall, Benjamin			Neuscamman, Eric		
Lindenstrauss, Elon	VMP	F 2014	McClearn, Gerald	MP	1962 - 1963	Neyman, Jerzy	MP	S 1957
Lindow, Steven	MP	S 2010	McCoy, Barry	VMP	S 2002		MP	1958 - 1959
Linn, Stuart	MP	F 1991	McCray, Richard	VMP	S 1997	Nicholas, John	VMP	F 1999
	MP	F 2000	McCulloch, Malcolm	VMP	F 1994	Nicolau, Dan	MF	2008 - 2011
Linsley, Earle	MP	1960 - 1961	McCune, Amy	MF	1982 - 1983	Nicoll, Charles	MP	1974 - 1975
/ .								
Lions, Pierre-Louis	VMP	S 1987	McKee, Christopher	MP	1984 - 1985	Nierenberg, William	MP	1957 - 1959
Littlejohn, Robert	MP	S 1992		MP	F 1999	Nishikawa, Kiisa	MF	1985 - 1987
Liu, Chang	MF	2009 - 2012		MP	F 2004	Nomura, Yasunori	MF	2000 - 2002
Liu, Gang-Yu	MF	1992 - 1994	McLain, Stephan	MF	1979 - 1981	Norman, Colin	MF	1975 - 1977
Livnat, Adi	MF	2006 - 2009	McLaren, A Douglas	MP	1961 - 1962	Nose, Akinao	MF	1989 - 1991
Lloyd, David	VMP	F 1990	McMinn, Rachel	MF	2000 - 2001	O'Connell, Richard	VMP	S 2013
Lloyd, James	VMP	S 2016	McMullen, Curtis	MP	F 1994	O'Konski, Chester	MP	1960
Lo, Kwok-Yung	MF	1977 - 1978	Meade, Thomas	VMP	S 2009	O'Shea, Erin	MF	1992 - 1994
Logan, Norman	MF	1964 - 1965	Meier, Michael	MF	1982 - 1984	Ocneanu, Adrian	MF	1983 - 1985
Lognonne, Philippe	VMP	S 2003	Melatos, Andrew	MF	1997 - 1999	Odell, Garrett	VMP	S 1991
Lohmueller, Kirk	MF	2010 - 2013	Merel, Loic	MF	1995 - 1997	Oesterle, Joseph	VMP	S 1989
Long, Jeffrey	MP	S 2011	Merkel, Sebastien	MF	2004 - 2006	Ogg, Andrew	MP	1970 - 1971
					1979 - 1981			
Longcope, Dana	MF	1993 - 1995	Metraux, Jean-Pierre	MF		Oh, Sung-Jin	MF	2013 - 2016
Losick, Richard	VMP	S 2006	Meyer, Axel	VMP	S 1996	Oksanen, Lauri	VMP	S 1992
Lott, John	VMP	S 2005	Meyer, Barbara	MSF	2013 - 2018	Olive, David	VMP	S 2004
Louie, Steven	MP	1986 - 1987	Michaelides, Angelos	Somorjai V	MP F 2013	Olovsson, Ivar	VMP	S 2002
	MP	F 1995	Miller, Gregory	MF	1990 - 1992	Olsen, Paul	MF	1983 - 1984
Lowe, Christopher	MF	1998 - 2001	Miller, Kathryn	VMP	F 2005	Olvera de la Cruz,		
Lucks, Julius	MF	2007 - 2010	Miller, William	MP	1978 - 1979	Monica	VMP	S 2016
Lue, Leo	MF	1995 - 1997		MP	1998 - 1999	Oppenheim, Antoni	MP	1961 - 1962
			Maille Maisharal					
Luk, Kam-Biu	MP	F 2001	Mills, Michael	VMP	F 2001	Optican, Lance	VMP	F 1995
Lumsden, Andrew	VMP	F 1994	Milnor, John	VMP	F 1993	Ornduff, Robert	MP	1968 - 1969
Lunine, Jonathan	VMP	F 2001	Milstein, David	VMP	S 2006	Oster, George	MP	1983 - 1984
Lyons, Russell	VMP	S 2001	Milton, Katherine	MP	S 1991		MP	F 2003
Ma, Chung-Pei	MP	F 2010	Missert, Nancy	MF	1989 - 1991	Ostling, Annette	VMP	S 2016
Macara, lan	VMP	F 1997	Mitrovica, Jerry	VMP	S 2004	Ostriker, Eve	VMP	F 2009
		2011 - 2012						
MacDonald, Allan	VMP		Modjaz, Maryam	MF	2007 - 2010	Ostriker, Jeremiah	VMP	S 1990
Machen, Terry	MP	F 2002	Moeller, Andrew	MF	2015 - 2018	Otto, Sarah	MF	1992 - 1994
Machlis, Leonard	MP	1960 - 1961	Molnar, Peter	VMP	F 2005	Ousterhout, John	MF	1980 - 1981
	MP	1967 - 1968	Moncrief, Vincent	VMP	S 1986	Oveis, Gharan Shayan	MF	2013 - 2014
Mackintosh, Allan	VMP	F 1989	Moore, C Bradley	MP	1972 - 1973	Overman, Larry	VMP	S 1989
Madden, Paul	VMP	S 2004		MP	1987 - 1988	Owen, Susan	MF	1998 - 1999
Madou, Marc	VMP	S 1996	Moore, Calvin	MP	1978 - 1979	Ozel, Feryal	VMP	S 2014
				MP	S 1992		VMP	
Magnusson, Olafur	MF	2001 - 2004	Moore, Hsiao-Ping			Paabo, Svante		S 2013
Mahadevan,			Moore, Joel	MP	2011 - 2012	Pabo, Carl	VMP	F 2005
Lakshminarayanan	VMP	S 2006	Moreau, Corrie	MF	2007 - 2008	Pace, Norman	VMP	S 1993
Mahan, Bruce	MP	1973 - 1974	Moretto, Luciano	MP	F 1988	Pachter, Lior	MP	F 2009
Majumdar, Arunava	MP	2003 - 2004	Morisato, Donald	MF	1988 - 1990	Packard, Richard	MP	F 1988
Malik, Jitendra	MP	F 2001	Morrey Jr, Charles	MP	1959 - 1960		MP	1997 - 1998
Malmstrom, Bo	VMP	1973 - S 1974	Morris Jr, John	MP	1976 - 1977	Packer, Lester	MP	1965 - 1966
Manga, Michael	MF	1994 - 1996	Morrison, H. Frank	MP	1977 - 1978	Padman, Rachael	MF	1983 - 1984
	MP	2008 - S 2009	Morrison, Scott	MF	2009 - 2012	Pande, Vijay	MF	1996 - 1998
Manin, Yuri	VMP	F 1989	Morse, Anthony	MP	1961 - 1962	Paneitz, Stephen	MF	1980 - 1982

Miller Institute Members P-Z

	- 	1415	2011 2012		1.15	1007 1000
Kov	Randall, Lisa	VMP	2011 - 2012		MP	1997 - 1998
Key:	Ranjeva, Raoul	VMP	S 2006		MP	F 2006
S Spring Semester	Rannala, Bruce	MP	F 2009	Schanze, Kirk	MF	1984 - 1986
F Fall Semester		VMP	S 2015		MF	1975 - 1977
MF Miller Fellow	Ransom, Scott			Scharlemann, Ernst		
MSF Miller Senior Fellow	Rao, Bhamidi	MF	1970 - 1972	Scharlemann, Martin	MP	F 1999
	Rapoport, Henry	MP	1966 - 1967	Schatzmen, Evry	VMP	S 1988
MP Miller Professor	Ratiu, Tudor	MP	S 1994	Scheer, Hugo	VMP	S 1991
VMP Visiting Miller Professor		MP	1985 - 1986	Schekman, Randy	MSF	2008 - 2013
8	Ratner, Marina					
	Rauch, Peter	MF	1970 - 1972	Scheres, Sjors	VMP	S 2015
Pang, Tao MF 1989 - 1991	Ray, Jessica	MF	2015 - 2018	Schiehlen, Werner	VMP	S 1995
Pao, Lucy VMP F 2008	Raymond, Kenneth	MP	1977 - 1978	Schlegel, David	MP	1966 - 1967
Papadimitrious, Christos MP F 2005	Raymond, Renneth					
		MP	F 1996	Schlue, Wolf-Rudiger	VMP	S 1993
MF 1978 - 1979		MP	F 2004	Schmetterer, Leopold	VMP	S 1959
Papenfuss George MP 1960 - 1961	Rayner, Alan	VMP	F 1994	Schmid, Eva	MF	2008 - 2011
Paradiso, Michael MF 1984 - 1986	Read, David	VMP	F 2002	Schneider, Walter	MF	1975 - 1977
Park, Hongkun VMP F 2003						
	Redman, Charles	MF	1972 - 1974	Schoen, Gerd	VMP	S 2001
Park, Roderick MP 1969 - 1970	Reidenbach, Matthew	MF	2004 - 2007	Schramm, David	VMP	S 1992
Park, Tae Joo MF 2009 - 2012	Reif, Frederick	MP	1964 - 1965	Schulman, Rebecca	MF	2008 - 2011
Parker, Earl MP 1961 - 1962	Reshetikhin, Nicolai	MP	S 1996	Schultz, Arnold	MP	1963
Parker. Gary VMP S 1993	,					
	Retchless, Adam	MF	2011 - 2014	Schultz, Peter	MP	F 1991
Parker, Ingrid MF 1996 - 1998	Reuveny, Eitan	VMP	F 2007	Schwarz, Albert	VMP	S 2000
Parthasarathy,	Reynolds, John	MP	1959 - 1961	Schwarz, Gideon	MF	1964 - 1966
Raghuveer MF 2002 - 2005	/ 13	MP	1967 - 1968	Schwickert, Birgit	MF	1999 - 2002
Patek, Sheila MF 2001 - 2004						
	Ribet, Kenneth	MP	F 1990	Scott, Dana	MF	1960 - 1962
Patton, James MP F 1989	Rice, John	MP	F 2005	Scott, Susannah	VMP	S 2001
Peebles, Phillip VMP S 1987	Rice, Sean	MF	1991 - 1993	Searcy, Alan	MP	1970 - 1971
Pendry, John VMP F 1991	Richards, Paul	MP	1970 - 1971	Segal, Graeme	VMP	S 2010
7.5	Nichards, Faul					
		MP	1987 - 1988	Serre, Jean-Pierre	VMP	S 1994
Pepper Rachel MF 2011 - 2014		MP	F 2001	Sethian, James	MP	S 2011
Perelman, Grigori MF 1993 - 1995	Riess, Adam	MF	1996 - 1998	Shaevitz, Joshua	MF	2004 - 2007
Perelson, Alan VMP S 2004	Riley, Donald	MP	1968 - 1969	Shaka, Athan	MF	1986 - 1988
Peres, Yuval MP 2002 - 2003	· · ·					
	Rine, Jasper	MP	F 1993	Sham, Lu	VMP	F 1998
Perlmutter, Saul MSF 2010 - 2015	Ringland, Gordon	MF	1966 - 1968	Shan, Qun	MF	1998 - 2001
Perry, Dale MF 1977 - 1979	Ritchie, Robert	MF	1974 - 1976	Shannon, Christina	MP	2001 - 2002
Peters, Jonas MF 1998 - 1999	Robbins, Herbert	VMP	F 1966 - S 1967	Shapiro, Mikhail	MF	2011 - 2013
, 8, /	Roberts, Richard	VMP	F 1991	Shapley, Alice	MF	2003 - 2005
Pettigrew, John MF 1970 - 1972	Robey, Ellen	MP	F 2007	Shearer, James	MF	1981 - 1983
Pfister, Catherine MF 1993 - 1995	Robins, James	VMP	S 1999	Shekhawat, Ashivni	MF	2013 - 2016
Phillips, Philip MF 1982 - 1984		MP	S 1961	Shelly, David	MF	2007 - 2008
	Robinson, Raphael					
		MP	F 1963	Shen Yuen, Ron	MP	1975 - 1976
Pickett, Herbert MF 1972 - 1973		MP	1968 - 1969		MP	1981 - 1982
Pimentel, George MP 1970 - 1971	Rodriguez-Iturbe,			Shepard, Ronald	MP	1977 - 1978
Pines, Alexander MP 1977 - 1978	0	VMP	S 2004		VMP	F 1998
MP S 2000	Ignacio			Shepp, Lawrence		
	Rokhsar, Daniel	MP	S 1997	Sheppard, Colin	VMP	S 2016
MP 1998 - 1999	Romanowicz, Barbara	MP	S 2010	Sherman, Paul	MF	1976 - 1978
Piro, Nicholas MF 2009 - 2012	Ronis, David	MF	1978 - 1980	Sherwin, Blake	MF	2013 - 2016
Pister, Karl MP 1962 - 1963	Roper, Marcus	MF	2008 - 2011	Shim, Sang-Heon	MF	2001 - 2003
	Rosenberg, Reinhardt		1964- 1965	Shimeta, Jeffrey	MF	1993 - 1995
Pitelka, Frank MP 1965 - 1966	Rosenzweig, Mark	MP	1958 - 1959	Shirley, Eric	MF	1991 - 1993
Pittermann, Jarmila MF 2005 - 2008	Ŭ.	MP	1965 - 1966	Shlens, Jonathon	MF	2008 - 2009
Poe, Steven MF 2000 - 2002	Posso Marc	MF	1990 - 1992	Shubin, Neil	MF	1987 - 1989
	Rosso, Marc					
Poonen, Bjorn MP F 2005	Rowe, John	MP	1964 - 1965	Shun, Julian	MF	2015 - 2018
Popov, Egor MP 1968 - 1969	Rowe, Marvin	MF	1966 - 1968	Shuster, Charles	MF	1960 - 1962
Porod, Ursula MF 1994 - 1996	Rowell, C Hugh	MP	1974 - 1975	Shusterman, Alan	MF	1980 - 1982
Porrati, Massimo VMP F 2015	Rubenstein, Dustin	MF	2006 - 2009	Shyer, Amy	MF	2013 - 2016
Postman, Leo MP 1960 - 1961						
	Rubio, Angel	VMP	F 2014	Sibert, III Edwin	MF	1985 - 1986
Postnikov, Alexander MF 1999 - 2001	Ruderman, Joshua	MF	2011 - 2014	Siegbahn, Per	MF	1973 - 1974
Powell, Thomas (Zack) MP F 2008 -S 2009	Rudolph, Daniel	MF	1976 - 1978	Siegmann, Hans	VMP	F 1994
Power, Mary MP S 2002	Russell, Stuart	MP	F 1996	Sies, Helmut	VMP	S 1992
Prausnitz, John MP 1965 - 1966		VMP	S 2009		MP	
	Russell, Thomas			Silk, Joseph		1980 - 1981
MP 1978 - 1979	Ryan, Michael	MF	1982 - 1984	Simmons, John	MF	1961 - 1962
Price, P Buford MP 1972 - 1973	Saccone, Cecilia	VMP	S 1990	Simms, Ellen	MP	2003 - 2004
Pringle, Anne MF 2001 - 2004	Sadoulet, Bernard	MP	S 2011	Simons, John	VMP	S 2000
Proskauer, Johannes MP 1964 - 1965		MF			MF	1988 - 1990
	Saffo, Mary Beth		1976 - 1978	Sinervo, Barry		
Protter, Murray MP 1959 - 1960	Safra, Shmuel	VMP	S 2004	Singer, Isadore	MP	1982 - 1983
MP 1967 - 1968	Sagan, Carl	MF	1960 - 1962	Singer, Jerome	MP	1960 - 1961
Pruitt, Lisa MP F 2000	Sagnotti, Augusto	MF	1984 - 1986	Slaman, Theodore	MP	F 2008
Puget, Jean-Loup VMP F 1998	0 . 0					
0	Saito, Shuji	MF	1986 - 1988	Slatkin, Montgomery	MP	S 1989
Quack, Martin VMP F 2005	Salati, Pierre	MF	1987 - 1989		MP	S 2000
Quataert, Eliot MP F 2009 - S 2010	Sam, Steven	MF	2012 - 2015	Smadja, Gerard	MF	1970 - 1972
Quay, Wilbur MP 1964 - 1965	Sancar, Aziz	VMP	S 2002	Smale, Stephen	MP	1967 - 1968
MP 1971 - 1972		MF		e	MP	
	Sanyal, Raman		2008-2011			1979 - 1980
Queisser, Hans-Joachim VMP S 1998	Sargent, Wallace	VMP	S 1993		MP	1990 - 1991
Rabani, Eran VMP F 2010	Sargeson, Alan	VMP	S 1990-S 1991	Smit, Jan	VMP	F 1995
Rabinovici, Eliezer VMP F 2002	Saslaw, William	MF	1968 - 1970	Smith, Celia	MF	1983 - 1985
Rabosky, Daniel MF 2009 - 2012						
	Satir, Peter	MP	1976 - 1977	Smith, FRS Harry	VMP	S 1995
Radding, Charles VMP S 1977		1/1 10	L 0/012	Smith, Ian	VMP	S 1996
	Sauer, Joachim	VMP	F 2013			31770
Radulescu, Florin MF 1992 - 1994		MP	1962 - 1963		MF	1990 - 1992
Radulescu, Florin MF 1992 - 1994	Savage, Donald	MP	1962 - 1963	Smith, III Milton	MF	1990 - 1992

Sogin, Mitchell	VMP	S 1998	Ting, Lena	VMP	F 2008	Weinberg, David	MF	1990 - 1991
Solovay, Robert	MP	1971 - 1972	Tinkham, Michael	MP	1960 - 1961	Weinhold, Frank	MF	1968 - 1969
	MP	1986 - 1987		VMP	S 1987	Weinstein, Alan	MP	1981 - 1982
Somorjai, Gabor	MP	1977 - 1978	Tinoco Jr, Ignacio	MP	1963 - 1964	weinstein, / tan	MP	1997 - 1998
Somorjai, Gabor	MSF	2009 - 2014				W/size Demission		
Comer Mining			Tobias, Charles	MP	1959 - 1960	Weiss, Benjamin	VMP	F 2014
Song, Yiqiao	MF	1994 - 1996	Todorcevic, Stevo	MF	1983 - 1985	Weiss, David	MP	1966 - 1967
Song, Yun	MP	F 2014 - S 2015	Toennies, Jan Peter	VMP	F 2005	Weiss, Lionel	MP	1965 - 1967
Soreq, Hermona	VMP	S 2009	Tolman, William	VMP	S 1997	Welch, William	MP	1999 - 2000
Soter, Steven	MF	1971 - 1973	Torre, Vincent	VMP	F 1988	Wemmer, David	MP	F 1998
Sousa, Wayne	MP	2002 - 2003	Toste, Dean	MP	S 2014	Wenk, Hans-Rudolph	MP	1971 - 1972
Spaldin, Nicola	MP	S 2007	Townsend, Jeffrey	MF	2002 - 2005	Werblin, Frank	MP	1976 - 1977
Spanier, Edwin	MP	1961 - 1962		MF			MF	
			Trainor, Ryan		2014 - 2017	Weres, Oleh		1972 - 1974
Speed, Terence	MP	S 2005	Tran, Huan	MF	2002 - 2005	Wess, Julius	VMP	S 1986
Spence, John	VMP	F 1997	Tremaine, Scott	VMP	F 2013	West, John	MP	1976 - 1977
Speziale, Sergio	MF	2003 - 2006	Trilling, George	MP	1980 - 1981	Westheimer, Gerald	MP	1975 - 1976
Spielman, Steven	MF	1992 - 1994	Tripathi, Subrata	VMP	F 2002	Whalen, Molly	MF	1980 - 1982
Spiers, Christopher	MF	1980 - 1981	Tsong, Annie	MF	2005 - 2008	Whaley, Birgitta	MP	2002 - 2003
Spinrad, Hyron	MP	1971 - 1972	Tsunoda, Shuichiro	MF	1985 - 1987	Whinnery, John	MP	1973 - 1974
	MP	1978 - 1979	Tsybakov, Alexandre	VMP	S 2006	Whitfeld, Paul	MF	1960 - 1962
	MP	F 1988						
C : M: 1 1			Turchyn, Alexandra	MF	2005 - 2008	Wilking, Burkhard	VMP	F 2010
Spiro, Michel	VMP	S 1988	Turelli, Michael	MP	S 2006	Willerslev, Eske	VMP	S 2015
Sposito, Garrison	MP	S 1995	Turner, Francis	MP	1965 - 1967	Willson, Clyde	MF	1967 - 1969
Stajich, Jason	MF	2006 - 2009	Uhlenbeck, Olke	MF	1969 - 1971	Wilson, Mark	MF	1989 - 1991
Stallings, John	MP	1972 - 1973	Unruh, William	MF	1973 - 1974	Wilson, Sayres Melissa	MF	2011 - 2014
Stamper-Kurn, Dan	MP	2009 - 2010	Usinger, Robert	MP	1964 - 1965	Wilt, Fred	MP	1968 - 1969
Stanier, Roger	MP	1957 - 1959	Vadhan, Salil	VMP	S 2008	thing the da	MP	1985 - 1986
	MF	1968 - 1969				Winey Karen		
Stanley, H Eugene			Valls, Oriol	MF	1977 - 1978	Winey, Karen	VMP	F 2014
Stanley, Richard	MF	1971 - 1973	van der Avoird,			Winterhalter, David	MF	1965 - 1967
Starfield, Anthony	VMP	F 1993	Adrianus	VMP	F 1992	Wisdom, Jack	VMP	F 2007
Stark, Philip	MP	S 1999	van der Klis, Michiel	VMP	S 1998	Witkin, Evelyn	VMP	S 1989
Starkey, John	MF	1963 - 1965	van der Laan, Mark	MP	S 2007	Wofsy, Leon	MP	1977 - 1978
Starks, Philip	MF	1999 - 2002	van der Vaart, Adrianu		S 2000	Wolczanski, Peter	VMP	S 1995
Staskawicz, Brian	MP	2002 - 2003	Van Dishoeck, Ewine	VMP	F 2000	Wolf, Frantisek	MP	1963 - 1964
Statler, Thomas	MF	1986 - 1988	Van Duzer, Theodore		S 1990		MP	1972 - 1973
						Wolf, Joseph		
Stearns, Stephen	MF	1977 - 1978	van Gorkom, Jacqueline		S 2008		MP	1983 - 1984
Steinhardt, Richard	MP	1979 - 1980	Van Harlingen, Dale	VMP	F 2001	Wolfenstein, Lincoln	VMP	S 1999
Steriade, Donca	VMP	F 1999	Van Hooser, Aaron	MF	2001 - 2004	Wolpert, Lewis	VMP	F 1992
Stern, Curt	MP	1961 - 1962	Van Leer, Bram	MF	1970 - 1972	Wong, Eugene	MP	1983 - 1984
Stirton, Ruben	MP	1958 - 1959	Van Moerbeke, Pierre	VMP	F 2005	Woodin, Hugh	MP	1997 - 1998
Stishov, Sergei	VMP	F 1992	Van Santen, Rutger	VMP	F 2004	Wootton, J. Tim	MF	1990 - 1992
Stixrude, Lars	VMP	S 2005	Van Sluyters, Richard	MF	1975 - 1976	Wortis, Michael	MF	1962 - 1964
	VMP	S 1990						
Stolper, Edward			Van Zwet, Willem	VMP	S 1997	Wu, Hung-Hsi	MP	1977 - 1978
Strassen, Volker	VMP	F 1971 - S 1972	Vanden-Eijnden, Eric	VMP	F 2005	Wu, Yue	MF	2006 - 2009
Streitweiser Jr, Andrey	N MP	1964 - 1965	Vanderbilt, David	MF	1981 - 1983	Wuthrich, Kurt	VMP	F 1988
					1701 1700			
	MP	1979 - 1980	Varaiya, Pravin	MP	1978 - 1979	Wyder, Peter	VMP	S 2000
Sturmfels, Bernd				MP VMP				S 2000 1965 - 1966
	MP	1979 - 1980	Varaiya, Pravin Varma, Chandra	VMP	1978 - 1979 S 2014	Wyder, Peter	VMP MF	1965 - 1966
Suarez, Andrew	MP MP MF	1979 - 1980 2000 - 2001 2001 - 2003	Varaiya, Pravin Varma, Chandra Vassiliev, Victor	VMP VMP	1978 - 1979 S 2014 S 1999	Wyder, Peter Yaghi, Omar	VMP MF VMP	1965 - 1966 F 2009
Suarez, Andrew Sullivan, Dennis	MP MP MF MF	1979 - 1980 2000 - 2001 2001 - 2003 1967- 1968	Varaiya, Pravin Varma, Chandra Vassiliev, Victor Vazirani, Umesh	VMP VMP MP	1978 - 1979 S 2014 S 1999 1999 - 2000	Wyder, Peter Yaghi, Omar Yamazaki, Toshimitsu	VMP MF VMP MF	1965 - 1966 F 2009 1964 - 1966
Suarez, Andrew	MP MP MF MF VMP	1979 - 1980 2000 - 2001 2001 - 2003 1967- 1968 F 1999	Varaiya, Pravin Varma, Chandra Vassiliev, Victor Vazirani, Umesh Vempala, Santosh	VMP VMP MP MF	1978 - 1979 S 2014 S 1999 1999 - 2000 1998 - 1999	Wyder, Peter Yaghi, Omar Yamazaki, Toshimitsu Yang, Da	VMP MF VMP MF MF	1965 - 1966 F 2009 1964 - 1966 2014 - 2017
Suarez, Andrew Sullivan, Dennis Sulloway, Frank	MP MP MF MF VMP MF	1979 - 1980 2000 - 2001 2001 - 2003 1967- 1968 F 1999 1978 - 1980	Varaiya, Pravin Varma, Chandra Vassiliev, Victor Vazirani, Umesh Vempala, Santosh Vermeulen, Theodore	VMP VMP MP MF MP	1978 - 1979 \$ 2014 \$ 1999 1999 - 2000 1998 - 1999 1959 - 1960	Wyder, Peter Yaghi, Omar Yamazaki, Toshimitsu Yang, Da Yang, Peidong	VMP MF VMP MF MF MP	1965 - 1966 F 2009 1964 - 1966 2014 - 2017 S 2009
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