

The Adolph C. and Mary Sprague

MILLER INSTITUTE for Basic Research in Science



Celebrating
60 Years of
Science



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

Saturday – Stanley Hall

8:00 - 8:45 Registration

8:45 - 9:00 Welcome

9:00 - 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”*

12:00 - 1:00 Lunch

1:00 - 3:15

Ken Eisenhal: *“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”*

3:15 - 3:45 Break

3:45 - 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”*

6:30

Hors D'oeuvres & Dinner

Sunday - Optional Tours

8:00 - 5:00

Geology Tour of Marin County

10:00

Advanced Light Source

UC Botanical Garden

11:00

UC Botanical Garden

UC Museum of Vertebrate 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 University Professor

David Botstein
CALICO Life Sciences LLC

Chancellor Nicholas Dirks
UC Berkeley

Professor Vaughan Jones
Vanderbilt Math Department
Miller Professor Fall 1992

Staff:

Emily Birman Kathryn Day
Donata Hubert 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 Cambridge 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 period 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 Troisième 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.



Sally Otto

Miller Fellow
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.



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.



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 Camille 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 Professors:

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.

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 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.

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.



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.



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.



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.



Saul Perlmutter
 Nobel Prize in Physics, 2011
 Breakthrough 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.



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.



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.



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 experience. 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.

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	VMP	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
Cox, Paul	MF	1981 - 1983	Empedocles, Philip	MF	1968 - 1970	Gaul, Ulrike	MF	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
Crutchfield, James	MF	1983 - 1985	Engstrom, Alexander	MF	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		MP	F 2002	Glaeser, Andreas	MP	F 1991
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
Cuk, Tanja	MF	2007 - 2010	Everhart, Thomas	MP	1969 - 1970	Glaunsinger, Britt	MP	S 2015
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
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	Fajans, Joel	MF	1988 - 1989	Goldfeld,		
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
Dauben, William	MP	1961 - 1962	Fattal, Raanan	MF	2005 - 2008		MP	1984 - 1985
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
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, Thomas	MF	1996 - 1998	Fetter, Alexander	MF	1963 - 1965	Green, Michael	VMP	F 1993
Debreu, Gerard	MP	1973 - 1974	Filippenko, Alex	MF	1984 - 1986	Green, Roger	VMP	F 1994
Dekel, Avishai	VMP	S 2004		MP S	1996	Greene, Chris	VMP	S 2007
Dekel-Tabak, Eddie	MF	1986 - 1988		MP S	2005	Greene, Jenny	VMP	F 2015
Deniro, Michael	VMP	F 2000	Filippenko, Alexei	MP		Greenham, Neil	MF	1995 - 1996
DePaolo, Donald	MP	1997 - 1998	Fine, Terrence	MF	1964 - 1966	Greenhill, Lincoln	MF	1990 - 1992
Dericqles, Armand	VMP	S 2000	Finnigan, Gregory	MF	2012 - 2015		VMP	F 2009
Derosier, David	VMP	F 2000	Fish, Robert	MF	1961 - 1963	Griffiths, Phillip	VMP	F 1975 - S 1976
Desoer, Charles	MP	1966 - 1967	Fisher, Matthew	VMP	S 1991		MF	1962 - 1964
Deutsch, Ivan	VMP	F 1999	Fletcher, John	MF	1960 - 1962	Griffiths, Robert	VMP	2011 - 2012
Devore, Irvn	MF	1961 - 1962	Flytzanis, Christos	VMP	F 2000	Grigoropoulos, Costas	MP	F 1999
Dichtel, William	VMP	S 2016	Folman, Ron	VMP	F 2013	Grimmeiss, Hermann	VMP	S 1991
Dietrich, William	MP	1998 - 1999	Ford, Eric	MF	2003 - 2006	Gringarten, Alain	MF	1970 - 1972
Diliberto, Stephen	MP	S 1958	Forte, John	MP	1981 - 1982	Gromoll, Detlef	MF	1966 - 1968
Dinur, Irit	MF	2003 - 2004	Foster, Adriance	MP	1962 - 1963	Grunbaum, Alberto	MP	2000 - 2001
Disalvo, Francis	VMP	F 1999	Fox, Ronald	MF	1969 - 1971	Gubbins, David	VMP	F 2009
Ditlevsen, Ove	VMP	S 2000	Francis, Matthew	MF	1999 - 2001	Guionnet, Alice	VMP	F 2006
Doering, Tamara	MF	1993 - 1995	Frank, Dara	VMP	S 1997	Gupta, Subhadeep	MF	2003 - 2006
Dolgopyat, Dmitry	MF	1997 - 1999	Frank, Steven	MF	1987 - 1989	Guruswami,		
Dolhinow, Phyllis	MP	1975 - 1976	Fredrickson, Glenn	VMP	F 1993	Venkatesan,	MF	2001 - 2002
Dorn, John	MP	1962 - 1963	Freedman, David	MP	F 1990	Gwinn, William	MP	1962 - 1963
Doudoroff, Michael	MP	1960 - 1962	Freeman, Walter	MP	1978 - 1979	Haagerup, Uffe	VMP	S 1996
Douglas, Christopher	MF	2007 - 2010	Freese, Katherine	VMP	F 2006	Haber, James	VMP	S 2005
Driver, Bruce	VMP	F 2007	Frenkel, Edward	MP	S 2013	Hahn, Erwin	MP	1958 - 1959
Dueber, Erin	MF	2004 - 2007	Fretter, William	MP	1969 - 1970		MP	1966 - 1967
Duembgen, Lutz	MF	1990 - 1992	Freudenberger, John	MF	1986 - 1988		MP	1985 - 1986
Dufek, Josef	MF	2006 - 2008	Friedman, Bernard	MP	1962 - 1963	Haidvogel, Dale	VMP	F 1999
Dumitriu, Ioana	MF	2003 - 2006	Friend, Sir Richard	VMP	F 2014	Haiman, Mark	VMP	F 2000
Dziewonski, Adam	VMP	S 1995	Frisch, Michael	MF	1983 - 1985		MP	2007 - 2008
Eakin, Richard	MP	F 1961	Fristrom, James	MP	1983 - 1984	Hald, Ole	MP	1984 - 1985
	MP	1969 - 1970	Frolov, Timofey	MF	2012 - 2015	Hall, Brian	VMP	S 1997
Easter Jr, Stephen	MF	1968 - 1969	Fromme, Christopher	MF	2004 - 2007	Hall, Lawrence	MP	F 1995
Eaves, Laurence	MF	1974 - 1975	Fuerstenau, Douglas	MP	1969 - 1970		MF	1981 - 1983
Edixhoven, Sebastian	VMP	S 1997	Fujita, Takao	MF	1979 - 1981	Haller, Eugene	MP	F 2001
Einav, Shmuel	VMP	F 1991	Fuller, Melvin	MP	1967 - 1968		MP	F 1990
Eisenberg, Richard	VMP	S 2005	Funamori, Nobumasa	MF	1996 - 1998	Halpern, Martin	MP	S 1999
Eisenberg, Robert	VMP	F 2012	Gaillard, Mary Kay	MP	1987 - 1988	Hamenstadt, Ursula	MF	1986 - 1988
Eisenstein, Daniel	VMP	F 2005		MP	F 1996	Hammett, Greg	VMP	F 2004
Eisenstein, Odile	VMP	S 2004	Gale, David	MP	1971 - 1972	Handy, Nicholas	VMP	S 1994
Eisenthal, Kenneth	VMP	F 1989		VMP	F 1965 - S 1966	Haner, Mark	MF	1987 - 1989
Eisner, Joshua	MF	2005 - 2008	Gallese, Vittorio	VMP	F 2002	Hansen, Jean-Pierre	VMP	S 1991

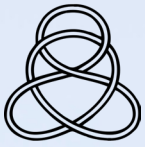
Miller Institute Members H-P

Key:	
S	Spring Semester
F	Fall Semester
MF	Miller Fellow
MSF	Miller Senior Fellow
MP	Miller Professor
VMP	Visiting Miller Professor

Hardy, John	MF	1967 - 1969	Hoshi, Motonori	VMP	F 1992	Kawamata, Yujiro	MF	1981 - 1983
Harland, Richard	MP	F 2010	Hosokawa, Keiichi	MF	1963 - 1965	Kawarabayashi, Yutaka	VMP	F 2004
Harris, Charles	MP	1984 - 1985	Howell, Francis	MP	1974 - 1975	Keaveny, Tony	MP	F 2000
Harris, Morgan	MP	1963 - 1965	Hoy, Ronald	VMP	S 2005	Kechris, Alexander	VMP	F 1998
Harris, Robert	MP	1975 - 1976	Hrushovski, Ehud	VMP	F 1997	Keers, Henk	MF	1997 - 1999
Harris, Stephen	MF	1976 - 1977	Hsiang, Wu-Yi	MP	1977 - 1978	Keldysh, Leonid	VMP	F 1997
	VMP	2011 - 2012	Hsu, Chao-Ping Cherri	MF	1998 - 2001	Keller, Edward	MP	F 1994
Harrison, Jenny	MP	F 2007	Hsu, Chieh-Su	MP	1973 - 1974	Keller, Sarah Somorjai	VMP	S 2016
	MF	1977 - 1979	Huang, Jiaxing	MF	2004 - 2007	Keller, Ursula	VMP	S 2006
Harrison, John	MF	1989 - 1991	Huber, Peter	MF	1962 - 1963	Kelley, John	MP	1966 - 1967
Harte, John	MP	S 2006	Huelsenbeck, John	MF	1995 - 1997	Kelly, James	MP	F 1993
Hartshorne, Robin	MP	1980 - 1981	Huerre, Patrick	VMP	S 2015	Ketonen, Jussi	MF	1972 - 1974
Hartwig, John	VMP	F 2009	Huey, Raymond	MF	1975 - 1977	Keunings, Roland	MF	1983 - 1984
Harvey, Daniel	MF	1985 - 1987	Hughes, Meredith	MF	2010 - 2013	Keys, David	MF	1998 - 2002
Hasuo, Shinya	VMP	F 1993	Hunt, Cassandra Cassi	MF	2015 - 2018	Khalil, Munira	MF	2003 - 2006
Haszprunar, Gerhard	VMP	F 2001	Hunt, Thomas	MF	2007 - 2008	Khare, Chandrashekar	VMP	S 2007
Hauber, Mark	MF	2002 - 2005	Hunt, William	MF	1971 - 1973	Kiefer, Jack	MP	F 1981
Hausel, Tamas	MF	1999 - 2002	Hunter, Ill John	MF	1988 - 1990	Kim, Justin	MF	2013 - 2015
Havenith-Newen, Martina	VMP	F 2014	Hyman, Larry	MF	1973 - 1975	Kim, Philip	MF	1999 - 2001
Hawkins, Gilbert	MF	1973 - 1975	Iagolnitzer, Daniel	MF	1967 - 1969	Kim, Sung-Hou	MP	1983 - 1984
Haxton, Wick	VMP	S 2001	Ibach, Harald	VMP	S 1994		MP	F 1996
Hay, Richard	MP	1962 - 1963	Illingworth, Garth	MF	1975 - 1977	Kim, Yong Baek	VMP	F 2006
	MP	1969 - 1970	Ingram, B Lynn	MP	2003 - 2004	King, David	VMP	S 1996
Hayakawa, Hisao	VMP	S 1988	Inkelas, Sharon	MF	1990 - 1992	King, Eric	MF	2010 - 2013
Hayes, Alexander	MF	2011 - 2014	Isaac, Glynn	MP	1972 - 1973	Kingsolver, Joel	MF	1981 - 1983
Head-Gordon, Martin	MP	2001 - 2002	Isacoff, Ehud	MP	F 2013	Kinsey, James	MF	1960 - 1962
Heald, Rebecca	MP	2009 - 2010	Izumi, Masaki	MF	1994 - 1996	Kip, Arthur	MP	1962 - 1963
Heard, John	MP	1970 - 1971	Jablonski, David	MF	1980 - 1982	Kirby, Robion	MP	1973 - 1974
Heath, James	MF	1988 - 1990	Jackson, William	MP	S 1989	Kirch, Patrick	MP	S 1994
Heathcock, Clayton	MP	1982 - 1983	Jacobson, Raymond	MF	1995 - 1997	Kirchner, James	MP	2002 - 2003
	MP	F 1992	Jaffe, Jules	VMP	S 2006	Kirillov, Alexandre	VMP	S 1999
Hedrick, Stephen	VMP	F 1999	Jain, Prashant	MF	2008 - 2011	Kirkpatrick, Mark	MF	1983 - 1985
Hein, Jotun	VMP	S 2011	Jameson, Cynthia	VMP	S 2002		VMP	F 2009
Heizer, Robert	MP	S 1961	Jaric, Marko	MF	1978 - 1980	Kirschner, Marc	VMP	F 2001
	MP	F 1964	Jayawardhana, Ray	MF	2000 - 2002	Kirshner, Robert	VMP	S 1994
Hejnowicz, Zygmunt	VMP	S 1998	Jean, Michel	MF	1965 - 1967	Kittel, Charles	MP	1959 - 1961
Helgeson, Harold	MP	1975 - 1976	Jeanloz, Raymond	MP	F 1992	Kivelson, Steven	VMP	F 1995
Helson, Henry	MP	F 1964	Jeffries, Carson	MSF	2011 - 2016	Klainerman, Sergiu	MF	1978 - 1980
Heluani, Reimundo	MF	2006 - 2009		MP	1961 - 2000	Klass, Michael	MF	1974 - 1975
Hemingway, Douglas	MF	2015 - 2018	Jellinek, Mark	MP	1983 - 1984		MP	1975 - 1976
Henderson, Richard	VMP	S 1993	Jenkins, David	MF	1999 - 2002	Klein, Michael	VMP	S 1997
Hendry, Andrew	VMP	F 2015	Jensen, William	MP	2005 - 2008	Klement Jr, William	MF	1964 - 1966
Henry, Clarissa	MF	2001 - 2004		MP	1961 - 1962	Klemperer, William	VMP	F 1998
Hensley, Preston	MF	1975 - 1977	Jewell, Nicholas	MP	1967 - 1968	Klingenberg, Wilhelm	VMP	S 1987
Hermanson, John	MF	1968 - 1970		MP	F 1994	Klinman, Judith	MP	F 1992
Herrmann, Gunter	VMP	S 1987	Jha, Saurabh	MF	F 2004		MP	2003 - 2004
Herschbach, Dudley	VMP	S 1997	Jia, Nancy	MF	2002 - 2005	Knight, Walter	MP	1979 - 1980
Herskovits, Anat	MF	2003 - 2006	Jirs, James	MF	1993 - 1995	Knirk, Dwayne	MF	1974 - 1976
Hickman, Carole	MP	F 1994	Johansson, August	VMP	F 2001	Knowles, Lacey	VMP	F 2009
Hintz, Peter	MF	2015 - 2018	Johnson, Barry	MF	F 1999	Knutson, Heather	MF	2009 - 2012
Hirano, Susan	VMP	S 1991	Johnson, Lane	VMP	2010 - 2013	Kobayashi, Shiro	VMP	1977 - 1978
Hirsch, Morris	MP	1972 - 1973	Johnson, Ronald	MP	F 1999	Koch, Herbert	VMP	S 2006
Hirzebruch, Friedrich	VMP	S 1973	Jones, Russell	MF	1973 - 1974	Koehl, Mimi	MP	2000 - 2001
Ho, Paul	MF	1979 - 1981	Jones, Vaughan	MP	1978 - 1980		MP	S 2014
Hochberg, Michael	VMP	S 2009	Jordan, Michael	MP	F 1992	Koel, Bruce	MF	1981 - 1983
Hochschild, Gerhard	MP	1960 - 1961	Juenger, Thomas	MP	F 2008	Kolbert, Andrew	MF	1992 - 1994
	MP	1968 - 1969	Jung, YounJoon	MF	1999 - 2002	Korenaga, Jun	MF	2001 - 2002
Hodges, Joseph	MP	1969 - 1970	Kadonaga, James	MF	2002 - 2005	Kostant, Bertram	MP	1958 - 1959
Hoehna, Sebastian	MF	2014 - 2017	Kaindl, Gunter	MF	1984 - 1986	Kramer, Andrew	MF	1977 - 1979
Hogerheijde, Michiel	MF	1998 - 2001	Kallman, Robert	MF	1969 - 1971	Kravtsov, Andrey	VMP	F 2007
Hoggatt, Austin	MP	1960 - 1961	Kamber, Franz	MF	1970 - 1972	Krebs, Charles	MF	1962 - 1964
Holley, Richard	MF	1969 - 1971	Kamionkowski, Marc	VMP	1965 - 1967	Krech, David	MP	1958 - 1959
Holm, Richard	VMP	F 1986	Kannan, Ravindran	VMP	F 2010		MP	1965 - 1966
Holmer, Bruce	MF	1983 - 1985	Kaplan, Donald	MP	S 1991	Kuh, Ernest	MP	1965 - 1966
Holsinger, Kent	MF	1982 - 1984	Kaplan, Robert	MP	1975 - 1976	Kulkarni, Shrinivas	VMP	S 1995
Holton, James	VMP	S 2004	Kapouleas, Nicolaos	MF	1978 - 1980	Kustu, Sydney	MP	2005 - 2006
Hook, John	VMP	F 1986	Kappen, Hilbert	MF	1988 - 1991	Lacey, Eileen	MF	1994 - 1996
Hopkins, Philip	MF	2008 - 2011	Kardar, Mehran	VMP	S 2005	Lackenby, Marc	MF	1997 - 1998
Hopper, Stephen	VMP	S 1990	Karoubi, Max	VMP	S 2002	Lada, Charles	VMP	S 2001
Horn, Gabriel	VMP	S 1989	Karp, Richard	VMP	F 2003	Lahiri, Aditi	VMP	S 2014
			Kasparov, Gennadi	MP	1980 - 1981	Laidre, Mark	MF	2010 - 2013
			Kass, Robert	VMP	S 1991	Laitone, Edmund	MP	F 1960
			Katchalsky, Aharon	VMP	S 2005	Lam, Tsit-Yuen	MP	1978 - 1979
			Kato, Tosio	MP	1967 - 1968	Land, Michael	MF	1967 - 1969
			Katz, Nicholas	VMP	1966 - 1967	Lande, Russell	MP	2004 - 2005
			Kaufner, Daniela	MP	S 1993	Lang, Serge	VMP	F 2004
			Kauffmann, Guinevere	MF	F 2012	Langlands, Robert	MF	1964 - 1965
			Kawahigashi, Yasuyuki	MF	1993 - 1994	Langley, Charles	VMP	F 2013
			Kawai, Takahiro	MF	1991 - 1992	Larsson, Mats	VMP	2001 - 2002
					1974 - 1976	Lavie, Nilli	MF	1992 - 1993

Lawrance, 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	Maoz, Eyal	MF	1995 - 1997	Motani, Ryosuke	MF	1997 - 1999
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	VMP	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
Leitmann, George	MP	1966 - 1967	Martin, Christopher	MF	2013 - 2016	Murdoch, William	MP	S 2001
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
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
Levitán, 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
Lind, Douglas	MF	1973 - 1975	McCall, Benjamin	MF	2001 - 2004	Neuscammán, Eric	MF	2011 - 2014
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	Oceanu, 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
Longcope, Dana	MF	1993 - 1995	Metraux, Jean-Pierre	MF	1979 - 1981	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 VMP	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
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, Ian	VMP	F 1997	Mitrovica, Jerry	VMP	S 2004	Ostriker, Eve	VMP	F 2009
MacDonald, Allan	VMP	2011 - 2012	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
Magnusson, Olafur	MF	2001 - 2004	Moore, Hsiao-Ping	MP	S 1992	Paabo, Svante	VMP	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

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		MP	1997 - 1998
	MSF	2009 - 2014	Tobias, Charles	MP	1959 - 1960	Weiss, Benjamin	VMP	F 2014
Song, Yiqiao	MF	1994 - 1996	Todorovic, 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	Trainor, Ryan	MF	2014 - 2017	Weres, Oleh	MF	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	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		MP	1985 - 1986
Stanley, H Eugene	MF	1968 - 1969	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, Adrianus	VMP	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	MP	S 1990	Wolf, Joseph	MP	1972 - 1973
Stearns, Stephen	MF	1977 - 1978	van Gorkom, Jacqueline	VMP	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
Stolper, Edward	VMP	S 1990	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, Andrew	MP	1964 - 1965	Vanderbilt, David	MF	1981 - 1983	Wuthrich, Kurt	VMP	F 1988
	MP	1979 - 1980	Varaiya, Pravin	MP	1978 - 1979	Wyder, Peter	VMP	S 2000
Sturmfels, Bernd	MP	2000 - 2001	Varma, Chandra	VMP	S 2014		MF	1965 - 1966
Suarez, Andrew	MF	2001 - 2003	Vassiliev, Victor	VMP	S 1999	Yaghi, Omar	VMP	F 2009
Sullivan, Dennis	MF	1967 - 1968	Vazirani, Umesh	MP	1999 - 2000	Yamazaki, Toshimitsu	MF	1964 - 1966
Sulloway, Frank	VMP	F 1999	Vempala, Santosh	MF	1998 - 1999	Yang, Da	MF	2014 - 2017
	MF	1978 - 1980	Vermeulen, Theodore	MP	1959 - 1960	Yang, Peidong	MP	S 2009
Summers, Adam	MF	1999 - 2001	Vershik, Anatoly	VMP	S 1995	Yao, Andrew	VMP	S 1999
Surendranath, Yogesh	MF	2011 - 2013	Vert, Jean-Philippe	VMP	F 2015	Yao, Norman	MF	2014 - 2017
Suto, Yasushi	MF	1986 - 1988	Villani, Cedric	VMP	S 2004	Yarwood, Cecil	MP	1963 - 1964
Szegedy, Mario	VMP	2011 - 2012	Vilotte, Jean-Pierre	VMP	F 2007	Yoo, Sa Kan	MF	2012 - 2015
Talagrand, Michel	VMP	S 1996	Vishwanath, Ashvin	MP	F 2009	Yu, Bin	MP	S 2004
Talbot, Lawrence	MP	1960 - 1961	Voiculescu, Dan	MP	1997 - 1998	Yu, Peter	MP	F 1990
Talroze, Raisa	VMP	F 1999	Vojta, Paul	MF	1987 - 1989	Zach, Michael	MF	2002 - 2005
Tanihata, Isao	MF	1976 - 1978	Vollhardt, K Peter	MP	1985 - 1986	Zambryski, Patricia	MP	2004 - 2005
Tardos, Eva	VMP	F 1999	von Zelewsky,			Zatman, Stephen	MF	1998 - 2001
Tarjan, Robert	MF	1973 - 1975	Alexander	MF	1965 - 1967	Zemva, Boris	VMP	S 1993
Tarski, Alfred	MP	1958 - 1960	Voth, Gregory	VMP	F 2003	Zettl, Alex	MP	1995
Tataru, Daniel	MP	S 2011	Wachter, Kenneth	MF	1977 - 1979		MP	S 2007
Taub, Abraham	MP	1968 - 1969		MP	F 2009	Zhang, Xiang	MP	2011 - 2012
Taylor, Jean	VMP	S 1999	Walsby, Anthony	MF	1971 - 1973	Zhang, Yuanbo	MF	2006 - 2009
Taylor, John	MP	F 1999	Wampler, Ernest Joseph	MF	1963 - 1965	Zhang, Zhi-Li	VMP	F 2004
Taylor, Richard	VMP	S 1999	Wang, Chi-Yuen	MP	1972 - 1973	Zhao, Ermi	VMP	S 1991
Teakle, David	MF	1962 - 1963	Wang, Feng	MF	2005 - 2008	Zhao, Jun	MF	2010 - 2013
Teichner, Peter	MF	1996 - 1997	Wang, James	MP	1973 - 1974	Ziegler, Gunter	VMP	S 2001
Teleman, Constantin	MP		Wang, Yayu	MF	2004 - 2007	Ziegler, Marco	MF	1998 - 2000
Thaler, Jesse	MF	2006 - 2009	Ward, Calvin	MF	1967 - 1969	Zillich, Robert	MF	2001 - 2004
Thomas, Emery	MP	1966 - 1967	Ward, Stanley	MP	F 1964	Zucker, Rachel	MF	2015 - 2018
Thomas, Gareth	MP	1964 - 1965	Washburn, Dorothy	MF	1976 - 1978	Zucker, Robert	MP	S 1999
Thompson, Alex	MF	2003 - 2005	Washburn, Jack	MP	1963 - 1964	Zumino, Bruno	MP	F 1989
Thomson, Glenys	MP	S 1996	Washburn, Sherwood	MP	1965 - 1966	Zworski, Maciej	MP	F 2015
Thorn, Charles	VMP	F 2001	Wasserman, Steven	MF	1983 - 1985			
Thorner, Jeremy	MP	1984 - 1985	Wassermann, Antony	MF	1986 - 1988			
	MP	1999 - 2000	Watari, Taizan	MF	2003 - 2006			
Tielens, Alexander	VMP	F 2002	Waterman, Rory	MF	2004 - 2007			
Tien, Chang-Lin	MP	1967 - 1968	Waxman, Eli	VMP	F 2004			
Tilley, Don	MP	2004 - 2005	Webster, Adrian	MF	1971 - 1973			



Miller Institute for Basic Research in Science

2536 Channing Way
Berkeley, CA 94720-5190
Phone: 510-642-4088
Fax: 510-643-7393
e-mail: millerinstitute@berkeley.edu
<http://miller.berkeley.edu>

Celebrating *60* Years