



THE ISRAEL ACADEMY OF SCIENCES AND HUMANITIES
The Batsheva de Rothschild Fund for
the Advancement of Science in Israel
The American Foundation for Basic Research in Israel

האקדמיה הלאומית הישראלית למדעים
קק בת-שבע דה חטשילד
לקידום המדע בישראל
הקן האמריקאית למחקר בסיסי בישראל

**BATSHEVA SEMINARS, WORKSHOPS, FELLOWS
AHARON & EPHRAIM KATZIR TRAVEL GRANTS
A COMPREHENSIVE LIST
1963-2015**

BATSHEVA SEMINARS

The Batsheva Seminars are the prime activity of the Batsheva de Rothschild Fund. Their purpose is to develop, deepen and advance knowledge in basic research in Israel. They present ideal opportunities for scientists from Israel and abroad to meet, present and exchange knowledge and ideas within a framework of lectures, discussions and workshops, over the course of about a week.

The seminars began in 1963 as the first platform for organized meetings of scientists from Israel and abroad, who are conducting research in various scientific disciplines. Anticipating future trends, over the years they have had a marked impact on the development of new fields of basic science in Israel.

List of Seminars:

1. 1963 Genetics of Microorganisms
2. 1964 Cellular Control Mechanisms on the Molecular Level
3. 1965 Molecular Aspects of Unicellular Differentiation
4. 1966 Policy of Research and Development
5. 1966 Planetary Physics
6. 1967 Policy of Research and Development
7. 1967 Planetary Physics
8. 1967 Photosynthesis
9. 1967 Theoretical Solid State Physics
10. 1968 Applied Physics
11. 1968 Quantum Fluids
12. 1968 In Vivo Alternation in Protein-synthesizing Mechanisms
13. 1969 Marine Geochemistry
14. 1970 Sensory and Synaptic Transduction
15. 1970 Fast Reaction
16. 1971 Control Mechanisms in Animal Cells
17. 1971 Photo-Electronic Imaging Devices
18. 1971 Molecular Dynamics in Liquids

Panel of Advisors: Prof. Ruth Arnon, President ♦ Prof. Yoram Groner ♦ Prof. Hanoch Gutfreund ♦ Prof. Elisha Haas ♦ Prof. David Horn
Prof. Joshua Jortner, Chair ♦ Prof. Yossi Loya ♦ Prof. Raphael Mechoulam ♦ Prof. Avraham Nitzan ♦ Prof. Giora Simchen ♦ Prof. Uri Sivan

The Late Prof. Alex Keynan, Founding Member

רח' ז'בוטינסקי 43, ירושלים | ת"ד 4040 מיקוד 9104001 | P.O.B 4040, Jerusalem 9104001

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19. 1972 Marine Microbiology
20. 1972 Health Administration and Health Economics
21. 1973 Pain Mechanisms and Therapy
22. 1974 Mechanisms of Evaporation and Gas Exchange
23. 1974 Frontiers in Solid State Physics
24. 1974 Interaction of Art and Science
25. 1975 Energy
26. 1975 MHD – Flows and Turbulence
27. 1976 DNA Replication and Cellular Differentiation
28. 1977 Electron-density Mapping in Molecular Crystals
29. 1977 Genetics Improvement and Breeding of Grain
30. 1977 Saline Lakes and Natural Brines
31. 1978 MHD – Flows and Turbulence
32. 1978 Interaction and Communication between Neutrons
33. 1978 Curriculum Implementation and its Relationship to Curriculum Development in Science
34. 1978 Development of Responsiveness to Steroid Hormones
35. 1979 Biochemical Development of Nervous Tissue in Culture
36. 1979 Magnetic Resonance Spectroscopy
37. 1980 Control Mechanism of and During Germination
38. 1980 Approaches and Methods in Paleoclimati Research especially in Aridic Areas
39. 1981 Molecular Ions, Molecular Structure and Interaction with Matter
40. 1981 Biological N₂ – Fixation
41. 1981 Semi-Conductor and Metal Electrolyte Interfaces
42. 1982 Science and Technology Centers
43. 1982 Energy – Transition to the Post-Oil Era
44. 1982 Polyamines in Growth and Differentiation Processes
45. 1983 Retinal function in Health and Disease
46. 1983 Preservice and Inservice Education of Science Teachers
47. 1983 Metastasis of Cancerous Growths
48. 1987 Selective Attention in Sensory Processing
49. 1987 Microbial Mats: Ecological Physiology of Benthic Microbial Communities
50. 1987 Molecular Approaches to Hormone Action
51. 1988 Host – Fungus Interaction
52. 1991 From Neuron to Network
53. 1992 The Use of Natural and Genetically Engineered Microorganisms to Combat Pollution
54. 1993 Neurons and Neuronal Networks in the Motor System
55. 1993 From Neuron to Network

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56. 1993 Human Genome Diversity and Congenital Disorders
57. 1994 Functional Brain Imaging
58. 1995 Genomic Imprinting and Human Disease
59. 1995 Advances in Processing and Pattern Analysis of Biological Signals
60. 1995 Biomineralization
61. 1996 Coherent Control
62. 1996 Functional Imaging
63. 1996 Toward Anti-Adhesion Therapy of Microbial Diseases
64. 1996 Computational Aspects of the Human Genome Project
65. 1997 Physiological and Molecular Processes Leading to Fertilization Mammals
66. 1997 Cellular, Molecular and Genetic Aspects of Aging and Longevity
67. 1998 Light Induced Reactions in Condensed Phases
68. 1999 Contemporary Issues in Modeling of Psychopathology
69. 1999 Gene Regulation during Stress
70. 1999 The Dialogue between Cell Adhesion, Protein Degradation and transcriptional Regulation in Cancer
71. 1999 Transmission through Molecules and Molecular Interfaces
72. 1999 Innate Immunity
73. 1999 Physiological and Molecular Processes Leading to Fertilization in Mammals
74. 1999 Micro Electro Mechanical Systems
75. 2000 Understanding Science
76. 2001 Diffusion NMR and MRI: From Molecules to the Entire Human Brain
77. 2004 Biomineralization
Steve Weiner & Lia Addadi
78. 2005 Mast Cell Signalling and Function in Health and Disease
Yosef A. Mekori, Israel Pecht, Ehud Razin
79. 2005 Electron Transport in Molecular Junctions
Israel Bar-Joseph, David Cohen, David Tadmor, Richard Berkovits, Abraham Nitzan
80. 2006 Innovative Aspects of String Theory
Jacob Sonnenschein, Spenta Wadia
81. 2007 Alternative, Sustainable Energy Options
David Cahen, Gitti Frey, Arie Zaban
82. 2007 From Neurons to Cognition – Lessons from the Past
Hanoch Gutfreund, Naftali Tishby, Israel Nelken
83. 2007 Inflammation-Induced Cancer
Eithan Galun, Yinon Ben-Neria, Eli Pikarski

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84. 2008 Ultrafast-Ultracold | Processes
Ronnie Kosloff
85. 2008 Integrating Perspectives on the Development of The Musculoskeletal System
Eldad Tzahor
86. 2008 Information Processing in Living Cells
Gadi Glaser and Alik Honigman
87. 2008 Gross and Net Primary production
Ilana Berman-Frank
88. 2008 Frontiers in Biomedical Magnetic Resonance
Gil Navon
89. 2008 Phytoplankton Taxonomy and Phytoplankton in the Physical Environment (IAP)
Tamar Zohary
90. 2009 Shear Physics at the Meso-Scale in Earthquake and Landslide Mechanics
Yoseph Hatzor
91. 2009 The Functions of the Parietal Lobes
Avishai Henik
92. 2009 Representation Growth
Uri Onn
93. 2010 Reward and Decision Making in the Brain
Yael Niv
94. 2010 Frontiers in Biomedical Research
Ruth Arnon, Aaron Ciechanover, Yosef Shiloh
95. 2010 The Regulatory Role of Small RNA
Eran Hornstein
96. 2010 RNA Control of Cell Dynamics
Yoav Arava
97. 2011 Periconceptional Developmental Programming
Yael Heifetz
98. 2011 Integrative Perspectives on the Development of the Musculoskeletal System
Eldad Tzahor
99. 2011 Role of Microorganisms on Adaptation and Evaluation o Animals and Plants
Eugene Rosenberg
100. 2011 White Fly Symposium
Shai Morin
101. 2012 Programmed Cell Death in Model Organisms
Eli Arama
102. 2012 The Biochemistry, Biology and Pathology of MAP Kinases
David Engelberg

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103. 2012 Laser Control of Chemical Reactions
David Tannor
104. 2012 Single Molecule Biophysics
Yuval Garini
105. 2012 Marine Life in the Flow
Roi Holzman
106. 2013 Soft Matter and Biophysics
Yoav Tsofi
107. 2013 Light-Matter Interaction
Nimrod Moiseyev
108. 2013 Hydrocarbons Exploration and Development in the Israeli Offshore: Perspectives and Challenges
Zvi Ben Avraham
109. 2013 Long-Term Ecosystem Responses to Global Change
Marcelo Sternberg
110. 2013 Developmental Pathways in Health and Disease
Eldad Tzahor
111. 2014 Functional Peptide and Protein Nanostructures
Nurit Ashkenasy
112. 2014 RNA Editing – From Genomic Prediction to Function
Erez Levanon
113. 2015 Molecular Electronics: 40 Years Later
Ron Naaman
114. 2015 RUNX Transcription Factors in Development and Disease
Shai Izraeli and Ditza Levanon
115. 2015 New Challenges in Chemical Dynamics: From Exotic Novel Species to Macromolecules
Masha Niv
116. 2015 Tetrapyrrole Photoreceptors of Photosynthetic Organisms
Noam Adir
118. 2015 Biomineralization: Mineral Formation by Organisms
Stephen Weiner
119. 2015 Atmospheric Dust, Dust Deposits (Loess) and Soils in Deserts and Desert Fringe: The Sahara-Sinai-Negev as an Analogue for the Global Arid Regions
Yehouda Enzel
120. 2015 RNA Regulatory Circuits in Infectious Diseases and Man
Shulamit Michaeli

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121. 2015 The Link Between Environmental Science and Environmental Policy: The Case of the
Levantine Basin
Zvi Ben Avraham

BATSHEVA INTERDISCIPLINARY WORKSHOPS

Batsheva Interdisciplinary Workshops allow fruitful interchanges among young scientists of various disciplines, clarifying scientific problems from various aspects and furthering collaboration among scientists.

List of Workshops:

1. 2002 Global Information in Biological Systems (1st meeting)
David Horn, Doron Lancet, Yaron Cohen
2. 2003 Global Information in Biological Systems (2nd meeting)
David Horn, Doron Lancet, Yaron Cohen
3. 2005 Individual Patient Classification in Autoimmune Disease by DN and Protein Profiling
Yakov Neparstek, Dan Eilat, Yaron Cohen, Arie Admon
4. 2007 Health and Immigration in the Global Space: Historical and Political Perspectives
Shifra Shwartz
5. 2007 Superfluidity Under Rotation
William Glaberson
6. 2007 Transcranial Magnetic Stimulation
Michal Lavidor
7. 2009 Autism: From Biology to Behavior
Shlomo Wagner
8. 2009 Protein Misfolding in the Test Tube and in Disease
Gerardo Laderkremer
9. 2009 The Transformation of Lamarckism: 200 Years Since the Philosophie Zoologique
Eva Jablonka
10. 2010 Developmental-Genetic Explanations of Evolution
Ute Deichmann
11. 2010 Quantum Decoherence in Complex Systems
Gershon Kurizki
12. 2012 Innovative Physical Methods for Marine Research
Boris Katsnelson
13. 2013 Music and Brains: The Surprising Link
Israel Nelken
14. 2013 Spatial Challenges in Neuronal Cell Biology
Eran Perlson
15. 2014 Initiatives in Science and Education for Improving the Kidron/Nar Basin

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Richard Laster

16. 2015 Tissue Homeostasis by Tumor Suppressor Genes as an Alternative Mechanism for Tumorigenesis
Eli Pikarsky

BATSHEVA FELLOWS

The Batsheva Fellows Program brings world-renowned scientists from abroad, to meet with young Israeli researchers at Israel's universities and enhance and broaden their horizons.

List of Fellows

1. 2002 Prof. Steven A. Krilis, University of New South Wales
2. 2005 Prof. Charles Cantor, Boston University
3. 2005 Prof. Tim Behrens, University of Minnesota
4. 2006 Prof. Olivier C. Riéppel, University of Chicago
5. 2007 Prof. Lukas Hotinger, University of Basel
6. 2008 Prof. Richard E. Packard, University of California, Berkeley
7. 2008 Prof. William F. Vinen, University of Birmingham
8. 2008 Prof. Peter Kareiva, University of California, Santa Barbara
9. 2008 Prof. William Sutherland, University of East Anglia
10. 2008 Prof. David J. Gross, University of California, Santa Barbara
11. 2008 Prof. Michael B. Green, University of Cambridge
12. 2009 Prof. Mitchell L. Sogin, University of Illinois
13. 2009 Prof. Joseph Piven, University of North California
14. 2009 Prof. Craig Sarazin, University of Virginia
15. 2009 Prof. Craig A. Tracy, University of California, Davis
16. 2009 Prof. Alexander r. Its, Indiana University - Purdue University
17. 2010 Prof. Ute Deichmann, University of Cologne
18. 2010 Prof. Siegfried Roth, University of Cologne
19. 2010 Prof. Mark Hochstrasser, Yale University
20. 2012 Prof. Todd Ditmire, University of Texas
21. 2012 Prof. Michael Cancro, University of Pennsylvania
22. 2012 Prof. Burkhard Rost, Technische Universität München
23. 2012 Prof. Vincenzo Cerundolo, University of Oxford
24. 2012 Prof. Lynne Elizabeth Maquat, University of Rochester
25. 2013 Prof. Carlos F. Ibanez, Karolinska Institute, Sweden
26. 2013 Prof. Frederic Saudou, Curie Institute, Paris
27. 2014 Prof. Mark Raizen, University of Texas, Austin
28. 2013 Prof. Eugene Koonin, National Center for Biotechnology Information, NIH
29. 2014 Prof. Savely Karshenboim, Max Planck Institute for Quantum Optics, Garching



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30. 2014 Prof. Jan Vitek, Purdue University, West Lafayette, Indiana
31. 2014 Professor Hans Weidenmüller, Max Planck Institute, Heidelberg, Germany
32. 2014 Professor Nader Engheta, University of Pennsylvania, USA
33. 2015 Professor Thurston Driscoll Jr., Syracuse University, New York
34. 2015 Professor Nicholas S. Fisher, Stony Brook University, New York

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AHARON AND EPHRAIM KATZIR STUDY GRANTS

The Aharon and Ephraim Katzir Program was initiated in 2011-2012 to enable young researchers to travel for extended studies in research and the learning of new methods at leading laboratories in the world in the life sciences, the exact sciences and engineering.

List of Awardees

1. 2011 Yael Kirschenbaum, Tel-Aviv University
2. 2011 Reut Levi, Tel-Aviv University
3. 2011 Dr. Asaf Vivante, The Technion
4. 2012 Liel Sapir, The Hebrew University
5. 2012 Yonatan Horovitz, The Hebrew University
6. 2012 Dekel Dado Rosenfeld, The Technion
7. 2012 Rinat Ankri, Bar-Ilan University
8. 2012 Omri Finkel, The Hebrew University
9. 2012 Sara Raichlin, Weizmann Institute
10. 2013 Eitan Lerner, Bar-Ilan University
11. 2013 Dr. Irit Shapira-Lichter, Tel-Aviv University
12. 2013 Gil Toker, The Hebrew University
13. 2013 Shai Pilosof, Ben-Gurion University
14. 2013 Inbar Levi, Bar-Ilan University
15. 2013 Omer Tzang, Tel-Aviv University
16. 2014 Dr. Michael Assaf, The Hebrew University
17. 2014 Doron Cohen Yakubovich, The Hebrew University
18. 2014 Ayala Lampel, Tel-Aviv University
19. 2014 Dr. Guy Ramon, The Technion
20. 2014 Galina Shapiro, The Hebrew University
21. 2014 Kiril Solovey, Tel-Aviv University
22. 2014 Rachel Shukrun, Tel-Aviv University
23. 2014 Gili Greenbaum, Ben-Gurion University
24. 2014 Daniel Rosenblum, Tel-Aviv University
25. 2015 Yitzhak August, Ben-Gurion University
26. 2015 Michelle Sykes Akerman, The Hebrew University

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