

Curriculum Vitae

BENJAMIN GEIGER

The Erwin Neter Professor in Cell and Tumor Biology

Personal Details: Born: January 29, 1947, Haifa, Israel
Married to Selly + 3 children: Anat (1974),
Tamar (1976) and Avner (1982)
1965-1968: Military service



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Education

1972-1977 Ph.D. in Chemical Immunology
Weizmann Institute of Science
1971-1972 M.Sc. in Immunology
Hebrew University of Jerusalem
1968-1971 B.S. in Microbiology
Tel Aviv University

Scientific Positions

2009-present Chair, Academic Board, Israel Science Foundation
2003-2009 Dean, Faculty of Biology
Weizmann Institute of Science
1995-2003 Head, Department of Molecular Cell Biology
Weizmann Institute of Science
1994-1999 Visiting Scientist, Laboratory of Developmental
Biology, National Institutes of Health
1989-1995 Dean, Feinberg Graduate School
Weizmann Institute of Science
1988 Professor, Department of Chemical Immunology
Weizmann Institute of Science

1987-1988 Visiting Scientist, Center for Cancer Research
Massachusetts Institute of Technology
1983 Associate Professor, Department of Chemical Immunology
Weizmann Institute of Science
1980-1982 Senior Scientist, Department of Chemical Immunology
Weizmann Institute of Science
1977-1979 Postdoctoral Fellow
University of California at San Diego

Research Interests

- Cell adhesion and migration
- Cell communication
- Cellular mechanics
- Communication between cells
- Generation and transduction of cellular signals
- Cancer cell biology
- Developmental biology
- Biomedical research

Public Activities

2009-present Chair, Academic Board, Israel Science Foundation
2002-2009 Chair, Life Sciences and Medicine Sections, Israel Science
Foundation
2000-2003 Chairman of the Board, Israel Laboratory Accreditation Authority
(ISRAC)
1999-2005 Chair, Education Committee, "Basha'ar," Tel Aviv, Israel
1999-2003 Academic Committee, Society for the Advancement of Education,
Jerusalem, Israel
1999-2002 Chair, Scientific Program Committee, National Nature Museum,
Jerusalem, Israel
1995-1999 Chair, Curriculum Planning Committee, Ministry of Education
1994-1996 Selection Committee, the Israel Prize
1994-1995 Chair, National Program Committee, Teaching Laboratory Construction
Project
1992-1995 Subject Committee (Biology), Ministry of Education (Member)
1991-present Public Board of the Israel Camerata Orchestra, Jerusalem, Israel
(Chair, 1992-2007)

Honors and Awards

1993-1997	Fogarty Scholar-in-Residence Award National Institutes of Health, Bethesda, MD, USA
1987-1988	Eleanor Roosevelt Cancer Research Fellow
1986-	Incumbent, Erwin Neter Professorial Chair in Cell and Tumor Biology Weizmann Institute of Science
1984	FEBS Prize, Moscow, USSR
1983	Morris Levinson Prize in Biology Weizmann Institute of Science
1980-1983	Incumbent, Charles Revson Career Development Chair in Biology Weizmann Institute of Science
1977	Chaim Weizmann Fellow
1977	John F. Kennedy Memorial Prize
1975	Michael Landau Prize
1972	Award of the Faculty of Medicine Hebrew University of Jerusalem

Competitive Research Grants (last five years)

Israel Science Foundation	2004 – 2015
NIH, Cell Migration Consortium	2004 – 2011
Minerva Grant	2011 – 2013
NIH, Nanomedicine Development Center	2005 – 2013
German-Israeli Project Cooperation (DIP)	2006 – 2010
Juvenile Diabetes Research Foundation	2007 – 2010
WIS – Mario Negri Institute Program	2009 – 2010
T3Net (European Union, FP7)	2009 – 2012
Euro-BioImaging (European Union, FP7)	2010 – 2015
Helmsley Charitable Trust	2010 – 2013
NanoCARD (European Union, FP7)	2010 – 2013
NanoII (European Union, FP7)	2010 – 2014
NoE Systems Microscopy (European Union, FP7)	2011 – 2016
“Syn-Ad” (ERC Advanced Grant)	2012 – 2017
MULTIMOT (European Commission Grant)	2015 – 2017

Invited Talks at Scientific Meetings (last five years)

2015

- Systems Microscopy Annual Meeting, Vienna, Austria
- German Society for Matrix Research Annual Meeting, Münster, Germany
- 2nd Weizmann-Manchester “Making Connections” Workshop, “Mechanisms of Tissue Development and Regeneration,” Rehovot, Israel (Scientific co-Chair)
- 2015 Justen Passwell Memorial Symposium, “New Frontiers in Cancer Metabolism,” Rehovot, Israel (Scientific co-Chair)
- 3rd International Meeting on Actin Dynamics 2015, Regensburg, Germany
- PhysCell 2015, Kloster Banz, Germany
- 6th Invadosome Consortium Biannual Meeting, Saint-Paul-de-Vence, France

2014

- FISEB-ILANIT Congress 2014, Eilat, Israel
- Systems Microscopy Annual Meeting, Stockholm, Sweden
- 2nd Annual Broad-Israel Symposium
- EMBO Workshop, Stockholm, Sweden (Scientific co-Chair)

2013

- Keystone Symposium, “Structural Analysis of Supramolecular Assemblies by Hybrid Methods,” Tahoe City, California
- Systems Microscopy Annual Meeting, Leuven, Belgium
- 4th Weizmann Institute – McGill University Joint Symposium, Rehovot, Israel
- 28th ECF, “The Cytoskeleton in Tissue Repair and Diseases”, Fribourg, Switzerland
- Cell Migration in Health and Disease, Nijmegen, The Netherlands
- Molecular Cell Biology Symposium, Paris, France
- Nanomedicine Development Center Annual Meeting, New York, NY, USA
- Castle Ringberg Workshop, Castle Ringberg, Germany

2012

- 3rd Euro-BioImaging Meeting, Heidelberg, Germany
- Systems Microscopy Annual Meeting, Kloster Eberbach, Germany
- ARVO/Pfizer Conference: “Aqueous Humor Outflow: Dynamics and Disease,” Ft. Lauderdale, FL, USA
- Weizmann Institute/Memorial Sloan-Kettering Cancer Center Symposium, “Imaging in Oncology,” New York, NY, USA
- 23rd Pasteur/Weizmann Symposium, “Non-Coding RNAs and Their Regulation of Gene Expression,” Rehovot, Israel
- PhysCell 2012/de Gennes Days Conference, Southern Alps, France
- Nanomedicine Development Center Annual Meeting, New York, NY, USA
- Institut Curie Workshop on High-Content Screening, Paris, France
- American Society for Cell Biology Annual Meeting, San Francisco, CA, USA
- Castle Ringberg Workshop, Castle Ringberg, Germany

2011

- 6th FISEB/ILANIT Congress, Eilat, Israel
- Systems Microscopy Kick-Off Meeting, Malaga, Spain
- Manchester-Weizmann Workshop, Manchester, UK
- Nanomedicine Development Center Meeting, Bethesda, MD, USA
- NanoCARD/NanoII Meeting, Stuttgart, Germany
- Gordon Research Conference: "Fibronectins, Integrins, and Related Molecules," Lucca (Barga), Italy
- T3Net Mid-Term Meeting, Amsterdam, The Netherlands
- Pierre Gilles de Gennes Foundation Spring Symposium, Paris, France
- Cell Migration Consortium Annual Meeting, Bethesda, MD, USA
- Gordon Research Conference: "Gradient Sensing and Directed Cell Migration," Les Diablerets, Switzerland
- Cellular Nano-Sciences Conference, Heidelberg, Germany
- FEBS Meeting, Invadosome 2011: "Cell Adhesion and Tissue Invasion," Madrid, Spain
- T3Net Annual Meeting, Madrid, Spain
- Carl Zeiss AG Workshop: "Correlative Light and Electron Microscopy in the Life Sciences," Munich, Germany
- Fifth Mechanobiology Conference, Singapore
- 62nd Meeting of the Hellenic Society of Biochemistry and Molecular Biology, Athens, Greece
- Castle Ringberg Workshop, Castle Ringberg, Germany

Patents:

1. No. 0009620-00-00, Title: "Pharmaceutical compositions for the treatment of glaucoma," B. Geiger and P. Kaufman.
2. No. 0009807-00-00, Title: "Methods and therapeutic compositions for treating cancer," B. Geiger, A. Ben-Ze'ev and E. Sadot.
3. No. 2000039-00-00, Title: "Inhibitory agents derived from specific growth factors," B. Geiger, A. Bershadsky, A. Chausovsky.
4. No. 2000116-00-00, Title: "Cytoskeletal active agents for glaucoma therapy," B. Geiger and P. Kaufman.
5. No. 2001062-00-00, Title: "HBV infection of cell culture: evidence for multivalent and cooperative attachment," S. Yosef, B. Geiger and N. Paran.
6. No. 2001066-00-00, Title: "Expression of caldesmon ASA glaucoma therapy," B. Geiger, A. Bershadsky, P Kaufman and T. Borrás.
7. No. 2002010-00-00, Title: "Laser auto-focus for biological specimens," Z. Kam and B. Geiger.
8. No. 2001052-00-00, Title: "Methods of isolating genes encoding proteins of specific function and of screening for pharmaceutically active agents," B. Geiger, Z. Kam, A. Ben-Ze'ev, A. Bershadsky, M. Shtutman and E. Zamir.