

Joanna Aizenberg

Date of birth: January 28, 1960

Amy Smith Berylson Professor of Materials Science, Professor of Chemistry and Chemical Biology,
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Professional Preparation

<u>Institution</u>	<u>Major</u>	<u>Degree and Year</u>
Moscow State University, Moscow, USSR	Chemistry	B.S., 1981
Moscow State University, Moscow, USSR	Physical Chemistry	M.S. with honors, 1984
Weizmann Institute of Science, Israel	Structural Biology	PhD with honors, 1996
Harvard University, Cambridge, MA	Materials Chemistry	Postdoctoral research

Appointments

2011-present	Director of the Kavli Institute for Bionano Science and Technology at Harvard University
2009-present	Amy Smith Berylson Professor of Materials Science, John A. Paulson School of Engineering and Applied Sciences, Harvard University
2007-present	Professor of Chemistry and Chemical Biology, Faculty of Arts and Sciences, Harvard University
2007-2012	Susan S. and Kenneth L. Wallach Professor, Radcliffe Institute for Advanced Study, Harvard University
2007-2009	Gordon McKay Professor of Materials Science, Harvard University
1998-2007	Member of Technical Staff, Bell Laboratories/Lucent Technologies

Other Professional Service and Synergistic Activities

- Founding Core Faculty and Platform Leader of the Wyss Institute for Biologically Inspired Engineering at Harvard University, 2008-present
- Director of Science Programs, Radcliffe Institute for Advanced Study, 2011-2015
- Board of Directors of the Materials Research Society, 2005-2009
- Materials Research Society Program Development Subcommittee, 2004-present
- Board on Physics and Astronomy of the National Academies, 2006-2008
- Board of Directors for the Harvard Center for Nanoscale Systems (CNS), 2007-2009
- The National Academies Committee on Chemistry Benchmarking, 2006-2007
- The National Academies Committee on Biomolecular Materials and Processes, 2006-2007
- Advisory Council of Research at Bell Laboratories, 2004-2006
- Advisory Committee for “Chemical Bonding Centers”, NSF, 2003
- Member of the Scientific Review Panel on Nanoscience and Nanotechnology in Biology and Medicine, NIH 2004-2014
- Memberships: MRS, ACS, APS, AAAS, NYAS, American Academy
- Editorial activities: Editorial Board - *Advanced Materials*, 2013-present; *Science*'s Board of Reviewing Editors, 2006-2010; Advisory Boards - *Chemistry of Materials*, 2006-2012; *Langmuir*, 2005-2007; Guest Editor for special issues of *Advanced Materials*, *Advanced Functional Materials*, *Soft Matter*, *MRS Bulletin*, *Journal of Structural Biology*, *Journal of Materials Chemistry*
- Conference organization: Aizenberg is actively involved in the organization and promotion of meetings and symposia in the area of biomimetic materials and self-assembly. Select conferences:
 - Chaired: MRS Spring Meeting, 2005; Gordon Research Conference on Biomineralization, 2006; Gordon Research Conference on Organic Structures and Properties, 2008; Science Symposium: The Future of Water, Radcliffe Institute, 2012; Symposium on Bioinspired Materials, WYSS Institute, 2014
 - Organized Symposia for: MRS S2001, S2002, S2004; PACIFICHEM 2005, 2010, 2015

Select Awards and Honors:

- 2017 - Elected External Member of the Max Planck Society
 - MRS Medal
 - Kavli Innovations in Chemistry Leader Award, ACS
 - *Hinshelwood Lecturer* 2017, University of Oxford, UK
 - *Havinga Medal*, Leiden University, The Netherlands
- 2016 - Elected into the American Philosophical Society
 - Honorary Doctorate and Professorship, Eindhoven University of Technology, The Netherlands
 - Named Lectureships: *Arthur Newell Talbot Distinguished Lectureship*, UIUC; *Marple Schweitzer Lectureship*, Northwestern University; *Closs Lectureship*, University of Chicago; *Kreidl Memorial Lectureship*, Albuquerque, NM; *Dow Lectureship*, UC Berkeley
- 2015 - George Ledlie Prize for the most valuable contribution to science, Harvard University
 - Named Lectureships: *Nippon Sheet Glass Lectureship* in Materials Science and Engineering, UCLA; *Lord Lewis Lectureship* 2015, University of Cambridge, UK
- 2014 - Elected into the American Academy of Arts and Sciences
 - Fellow of the Materials Research Society
 - Named Lectureships: *Alexander M. Cruickshank Lecturer*, Gordon Research Conference on Biointerface Science; *Edward Noble Kramer Distinguished Interdisciplinary Lectureship*, University of Wisconsin-Madison; *Robert W. Murray Lectureship*, University of Missouri; *Whidden Distinguished Lectureship*, McMaster University
- 2013 - Fellow of the American Physical Society
 - R&D 100 Award for Top Technology and Innovation in 2013 for W-INK technology
 - Named Lectureships: *David L. Weaver Lectureship* in Biophysics and Computational Biology, UC Davis; *John C. and Florence W. Holtz Lectureship*, Johns Hopkins University; *Hood Fellowship*, University of Auckland, NZ
- 2012 - R&D 100 Award for Top Technology and Innovation in 2012 for SLIPS technology
 - Named Lectureships: *Karcher & Barton distinguished lectureship*, University of Oklahoma; *Franklin Award Lectureship*, Rice University
- 2011 - Named Lectureships: *Dorothy Crowfoot Hodgkin Award Lectureship*, University of Zurich; *Sproull Lecturer*, Cornell University; *Dow Foundation Distinguished Lecturer*, UCSB; *Etter Memorial Lectureship* in Chemistry, University of Minnesota; *Distinguished Herbert Morawetz Lectureship*, NYU-Poly; *WISEST Award*, UI-Chicago
- 2010 - Named Lectureships: *W. J. Chute Distinguished Lectureship* in Chemistry, Dalhousie University; *Molecular Foundry Distinguished Lectureship*, LBNL; *The Eastman Chemical Company Award Lectureship*, Goodyear Polymer Center; *Jerome B. Cohen Distinguished Lectureship*, Northwestern University; *Naff Award Lectureship*, University of Kentucky
- 2009 - *Fred Kavli Distinguished Lectureship* in Nanoscience, Materials Research Society
 - *Van't Hoff Award Lectureship*, Dutch Royal Academy
- 2008 - *Ronald Breslow Award* for the Achievement in Biomimetic Chemistry, ACS
- 2007 - AAAS Fellow
 - Industrial Innovation Award, ACS
- 2006 - Outstanding Women Scientists Award, Indiana University
 - *S. Nadiv Award Lectureship*, Technion, Israel
- 2005 - Lucent Chairman's Award
 - Named Lectureships: *Woodward Lectureship*, Harvard University; *Pedersen Lecture*, DuPont
- 2004 American Chemical Society PROGRESS Lectureship Award, University of Wisconsin, Madison
- 2003 Distinguished Women Scientists Lectureship, University of Texas at Austin
- 2001 New Investigator Award in Chemistry and Biology of Mineralized Tissues, ICCBMT
- 1999 *Arthur K. Doolittle Award* of the American Chemical Society
- 1997 Weizmann Institute Academic Excellence Award, Israel

**Supervised ~60 postdocs; ~25 PhD students; ~100 undergraduate students; 8 high-school students
 ~ 220 publications, ~ 80 patents, > 400 invited talks; Founder of 4 start-up companies.**