

# Curriculum Vitae for ELAINE FUCHS

Investigator Howard Hughes Medical Institute  
Rebecca C. Lancefield Professor  
Robin Chemers Neustein Laboratory of Mammalian Cell Biology and Development  
The Rockefeller University  
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## EDUCATION AND TRAINING

University of Illinois B.S. Chemistry, 1972; Highest distinction in the curriculum.  
Princeton University: Ph.D., Biochemistry, 1977 (Professor Charles Gilvarg).  
Massachusetts Inst. Technology: Postdoctoral Fellow, 1977-80 (Professor Howard Green).

## POSITIONS

1980-1985 Assistant Professor, The University of Chicago. Department of Biochemistry.  
1985-1988 Associate Professor, The University of Chicago. Department of Biochemistry and Molecular Biology; Department of Molecular Genetics and Cell Biology  
1989-2002 Amgen Professor of Basic Sciences, The University of Chicago. Department of Biochemistry and Molecular Biology; Department of Molecular Genetics and Cell Biology; Committee on Developmental Biology; Committee on Genetics; Committee on Cancer Biology.  
1988-2002 Investigator, Howard Hughes Medical Institute, The University of Chicago.  
2002-present Investigator, Howard Hughes Medical Institute, The Rockefeller University.  
2002-present Rebecca C. Lancefield Professor, The Rockefeller University, Laboratory of Mammalian Cell Biology & Development

## HONORARY DOCTORATES

(\* denotes special importance)

Honorary Doctorate of Science Degree (Mt Sinai Sch. Medicine and New York University '03)  
Honorary Doctorate of Science Degree (University of Illinois, Champaign-Urbana, '06)  
Honorary Doctorate of Science (Albany Medical College '15)  
\*Honorary Doctorate of Science (Harvard University '16)

## OTHER HONORS and AWARDS

(\* denotes special importance)

### University of Illinois. 1968-72

Phi Beta Kappa  
Phi Kappa Phi  
Alpha Lambda Delta  
Sigma Xi  
Agnes Sloan Larson Award for the Outstanding Freshman Chemistry Student  
Straight A Book Award  
Iota Sigma Pi Award  
Reynold Clayton Fuson Award in Chemistry  
James Scholar  
Illinois State Scholarship

Argonne National Laboratory Scholarship  
Bronze Tablet (top 3% Class).

**Princeton University. 1972-77**

NIH Predoctoral Fellowship.

**Massachusetts Institute of Technology. 1977-79**

Damon Runyon Postdoctoral Fellow

**University of Chicago. 1980-01**

Andrew Mellon Fellow ('81)

\*Searle Scholar ('81-'83)

NIH Career Development Award ('82-'87)

\*Presidential Young Investigator ('84-'89)

Nation's 100 brightest scientists under 40 (Science Digest, '84)

Nation's Outstanding Scientists Lunch, White House ('85)

R.R. Bensely Award (American Association of Anatomists, '88)

Searle Scholar Alumnus Award Lecture ('91)

NIH Merit Award ('93-'03)

Montagna Award (Society for Investigative Dermatology, '95)

Keith Porter Lecture (American Society for Cell Biology '96)

Senior Women's Career Achievement Award (American Society for Cell Biology '97)

Harvey Lecture (Rockefeller University, '99)

Convocation Address University of Chicago ('99)

Hermann Pinkus Memorial Lecture Award (American Academy of Dermatopathology, '00)

\*Richard Lounsbery Award (National Academy of Sciences, '01).

**Rockefeller University. 2002-:**

Cartwright Prize (Columbia University, '02)

Cruikshank Memorial Lecturer (Gordon Research Conferences on Cell Adhesion, '02)

Novartis Award in Biomedical Research (shared with P. Sharp and D. Botstein, '03)

Distinguished Visiting Scientist (Singapore, '04)

\*Dickson Prize in Medicine ('04)

FASEB Award for Scientific Excellence ('06)

Beerling Award ('06)

Lecturer, College de France (by Invitation of the Assembly of Professors, '08)

Rothschild-Yvette-Mayent Visiting Scholar of the Institut Curie ('08)

NIH MERIT Award ('09-)

\*\*\* National Medal of Science (Awarded by President Barak Obama, '09)

Distinguished Investigator Award (Emerald Foundation, '10)

Visiting Scholar of Phi Beta Kappa ('10)

AACR-WICR Charlotte Friend Award ('10)

\*\*L'Oreal UNESCO Award For Women in Science ('10)

Convocation Address University of Illinois ('10)

Madison Medal (Princeton University '11)

Passano Award ('11)

\*\*Albany Prize in Medicine ('11)

Rockefeller University Teaching Award ('12)  
 New York Academy of Medicine (Basic Sciences and Medicine Award, '12)  
 \*March of Dimes Prize in Developmental Biology ('12)  
 Lifetime Achievement Award (American Skin Association '13)  
 Kligman-Frost Leadership Award (Society of Investigative Dermatology '13)  
 \*Pasarow Award for Cancer Research ('13)  
 \*\*Pezcoller Award for Cancer Research ('14)  
 Convocation Address Albany Medical College ('15)  
 \*EB Wilson Award (American Society of Cell Biology '15)  
 \*Vanderbilt Prize ('17)  
 Ricketts Award (U of Chicago, '17)  
 \*\*McEwen Award for Innovation (International Society for Stem Cell Research, '17).  
 \*Commissioned Portrait: Princeton University's Hall of Distinguished Alumni ('19)  
 \*G. H. A. Clowes Award (AACR, '19)  
 2019 Princess Takamatsu Lecturer in Japan  
 \*Bloch Award for Cancer Research (Ohio State University, '19)  
 \*\*\*Gairdner International Award ('20)  
 EW Bertner Memorial Awd (MD Anderson Cancer Ctr '21)  
 Bert & Natalie Vallee Award in Biomedical Science (ASBMB, '22)  
 Shacknai Award in Immunology and Cancer Research (Hebrew University, '22)  
 \*\*Benjamin Franklin Medal in Life Sciences ('23)

#### **Elected to Honorary Societies:**

\*American Academy of Arts and Sciences ('94)  
 \*\*National Academy (Institute of) Medicine of the National Academies of Sciences ('94)  
 \*\*\*National Academy of Sciences ('96)  
 Fellow, American Academy of Microbiology ('97)  
 Honorary member of the German Society of Dermatology ('01)  
 The Harvey Society ('04)  
 Fellow, New York Academy of Sciences ('04)  
 \*\*American Philosophical Society ('05)  
 Fellow, American Association for the Advancement of Science ('08)  
 \*EMBO Foreign Member (equivalent of the European National Academy of Sciences) ('10)  
 \*Academy of the American Association for Cancer Research ('13).  
 Academy of the American Society for Cell Biology ('16).  
 \*\*Pontifical Academy of Sciences (appointed by Pope Francis, '18)  
 National Academy of Inventors ('19)  
 \*\*\*Royal Society foreign member ('19)

## **HONORARY/NAMED LECTURES, KEYNOTE ADDRESSES, PLENARY LECTURES, SEMINARS (2017-23)**

### **Honorary/Named Lectures**

**2017**

Distinguished (CNIO Madrid)  
 Marchionini (Hamburg)  
 Novy (UC Davis)  
 Discovery (Vanderbilt U)

Aser Rothstein (U Toronto)  
Cyma Rubin Women in Science (Cornell U Med Sch)  
Distinguished (UCLA); Distinguished (Oklahoma Med Res Fnn)  
Ricketts (U Chicago)  
*ISSCR Ann Mtg* McEwen Lect for Innovation  
Barton Childs (Johns Hopkins U)  
Henry Maso (Soc. Cosm. Chemists)

## **2018**

Naidorf (Columbia U)  
Gould (Rutgers)  
Distinguished (NIEHS)  
Nicholson (Karolinska)  
McClintock (CSHL)

## **2019**

Max Birnsteil (IMP, Vienna)  
Princess Takamatsu Lectureship in Cancer Research (Tokyo, Hokkaido U, Kyoto U)  
AACR AHG Clowes Lect  
Kewaunee (Duke)  
Max Delbruck Ctr (Berlin)  
Bloch Mem Awd Lect (Ohio State)

## **2020**

Milstein (Cambridge UK, MRC, '20)  
Gairdner Natl (Montreal)  
Gairdner PhD Student (Montreal)  
Gairdner Intl Awd Lect (U Toronto)  
William Barr (Western Ontario U)  
Wilkins Professorship (Boston U)  
Woese (U Ill)  
Breaking News (UCSD)

## **2021**

Ashley Dunn Oratory (Lorne Cancer Ctr, Australia)  
Parker (Columbia)  
Mihich (Roswell Park)  
EW Bertner (MD Anderson)  
EMBO Women in Science (Spetses)

## **2022**

Rennels Distinguished Lect (UT San Antonio)  
Chipperfield (MIT)  
Distinguished (Northwestern)  
Shacknai Award Lecture (Nazareth)  
Leland Cheung Lecture (SBUR)

## **2023**

Distinguished Lecture in Cell and Developmental Biology (NIH)  
Vallee Foundation Lecture (WEHI Institute, Melbourne)  
Ben Franklin Institute Medal Lecture (U Penn)

EMBO lecture, Stem Cells and Cancer Gordon Conference  
Stilliman Lecture (Yale)

### **Keynote Addresses at Scientific Meetings**

#### **2017**

Epithelial Biology *Gord Conf*  
Cell Growth & Proliferation *Gord Conf*  
Symp Honoring Susan Lindquist (MIT)  
ENABLE Symp (Barcelona)  
*Princess Takamatsu Cancer Symposium* (Plenary, Tokyo)  
German Consortium of Stem Cell Biologists Ann Mtg (Jena, Germany)  
Neurofibromatosis Ann Mtg (Washington DC)

#### **2018**

Stem Cells and Their Niches *Gord Conf*  
Harvard Epigenetics Symp  
DFKZ Symp on Cancer & Stem Cells (Heidelberg)  
ASCB Stem Cells Under Stress ('18)  
Yale Immunobiology Retreat  
Alopecia Areata Annual Mtg.

#### **2019**

Stem Cells & Cancer *Gord Conf*  
Epithelial Biology *Gord Conf* ('19)  
Cancer & Metastasis *Keystone Symp* (Florence'19)  
UNM Res Day  
Forum on Regenerative Med (NYAS and Natl Acad Sciences)  
Regional Dev Biol Mtg Woods Hole  
Champlimaud Symp (Lisbon)

#### **2020**

Genetics Soc of Amer Ann Mtg  
Res Day (Dalhousie Univ)

#### **2021**

FASEB TGF $\beta$  Superfamily in Dev. and Disease  
*VSSCR Annual Mtg: President's Symp.* Intl Conf of the Korean Soc for Mol and Cell Biol (Seoul)  
Singapore Ann Derm Soc; Stem Cells & Cancer Symp (Barcelona)  
Sanford Stem Cell Symp (UCSD)  
Cambridge UK Stem Cell Inst Student Ret (Cambridge)  
CRC Symp (Köln)

#### **2022**

American Soc. Bioch & Mol Biol. (Phila.)  
Human Cell Atlas Mtg (Vienna)  
Stem Cells Student Symposium (U Toronto)  
Mina Bissell Symposium (Weill Cornell)  
Rutgers Cancer Institute Annual Retreat  
Wound Healing Symposium (IWH)

## **2023**

Digestive and Liver Disease Center Symposium (Columbia U)  
Metastasis and Cancer Symposium (Columbia U).

## **Plenary Lectures**

### **2017**

Stem Cells & Cancer *Gord Conf*  
Stem Cells & Cancer Gord. Conf  
*ISSCR Ann Mtg* Plenary Symp

### **2018**

*Amer Assn for Cancer Res* Annual Mtg  
Les Treilles (France)  
Translational Medicine, U Penn  
Mechanotransduction Symp(Singapore)  
Cancer Symp (Singapore)

### **2019**

Usha Mahajani Symposium (Salk Inst.)  
Epithelial Biology Gord. Conf  
Boston Children's Hosp 15<sup>th</sup> Annual Stem Cell Symp (Harvard Med Sch)

### **2020**

AACR Regional Mtg (San Diego)  
Canada Stem Cell Mtg (Vancouver)  
*ISSCR Ann Mtg* Plenary Symp

### **2021**

National Acad of Future Phys and Med Students Symp  
Gairdner Symp for MD/PhD Students  
Starr Cancer Symp  
American Phys Soc  
Cell Press and Westlake Univ Cancer Cell Plasticity Symp (China)  
World Laureates Forum (China)

### **2022**

Amer Soc of Clinical Invest (Webinar)  
TERMIS (Netherlands)  
Vatican Workshop on Stem Cells  
Keystone Mtg: Innate Immune Memory (Banff)  
Vallee Scholars Mtg (Lisbon); AACR Meet the Experts (New Orleans)  
Frontiers in Stem Cell Biology Mtg (Dead Sea, Israel)  
Gairdner Stem Cell Symposium (U Calgary)

### **2023**

Lorne Cancer Symposium (Australia)  
Gordon Res. Conf. Epithelial Biology (Spain)  
Cold Spring Harbor 87<sup>th</sup> Symposium in Quantitative Biology: Stem Cells; Cancer & Metastasis (CSHL)  
Stem Cells Conf (Les Treilles).

## **Regular Seminars**

### **2017-2019**

U Penn, Vanderbilt Univ  
Fred Hutchison Cancer Ctr  
Dana Farber Cancer Ctr  
UTSW Dallas  
Genentech  
Salk Inst, Duke Univ  
Univ of North Carolina  
MIT  
Harvard Med Sch  
Univ of Virginia  
New York Univ  
Yale Univ  
Columbia Univ  
MD Anderson  
Ohio State  
Johns' Hopkins Univ  
Stanford Univ  
Rockefeller Univ  
Univ of Illinois Chicago  
National Institutes of Health  
CSHL  
Thomas Jefferson Univ  
Max Planck Institute (Dresden, Freiburg)  
Cancer Ctr (Harvard Med Sch)  
U Vienna Cancer Inst  
U Toronto, INSERM (Marseilles)  
Crick Inst (London)  
IRB Barcelona  
Calico  
Toronto Derm Soc  
Case Western  
Wash U  
UC Irvine  
UC Berkeley  
UCSD  
Mt. Sinai Sch Med  
UCSF  
Buck Inst  
Surrozen

### **2020**

Gurdon Inst Cambridge  
Burnham Cancer Inst, Scripps Cancer Inst  
MD Anderson Cancer Biol Series  
Grand Rounds at Cancer Ctr at Ohio State U  
Mechanobiology and Gene Expression Seminar Series (International)  
U Illinois at Chicago

U College London  
Netherlands Cancer Inst  
Dana Farber/Harvard U Cancer Ctr  
U Illinois Urbana  
UCSD Breakthrough Webinar

## **2021**

MUSC  
Rockefeller U Monday Lect,  
U Washington  
Intl Intermediate Filament Webinar Series  
Leuven VIB-U Brussels  
Regeneron  
Gladstone Inst/UCSF  
Laval Univ  
U Ottawa  
Gordon Conf Lectures in Skin Biology  
Intl Mechanobiology Series

## **2022**

UCLA  
UC Irvine  
U Virginia  
Weizmann Institute  
La Jolla Immunology Institute

## **2023**

Murdoch Children's Research Institute (Melbourne)  
SNF Institute for global infectious diseases (Rockefeller)  
Stem Cell Faculty Forum (MSKCC)  
Northwestern University.

## **NATIONAL/INTERNATIONAL COMMITTEES/ADMINISTRATIVE RESPONSIBILITIES**

### **Presidents of Societies**

American Society for Cell Biology, 2001.  
Harvey Society, 2007  
International Society for Stem Cell Research, 2010.

### **Editorial Positions**

Editorial Board, *Journal of Cell Biology*, '88-'92; \*Academic Editor, *Journal of Cell Biology*, '93-;  
Special Advisory Editor, *Journal of Clinical Investigation*, '92-'98;  
Editorial Board, *Genes and Development*, '00-;  
Editorial Board, *Developmental Cell*, '01-;  
Editorial Board, *Cell*, '01-;  
Editorial Board, *Cell Stem Cell*, '07-;  
Editorial Board *ELife*, '12-



## **Board of Trustees and Board of Directors**

Board of Trustees Cold Spring Harbor Laboratories, 2019-.

International Society for Stem Cell Research Board of Scientific Directors, '06-16; Executive Committee; '08-'12.

American Association for Cancer Research Board of Directors 2020-2023.

New York Academy of Sciences Board of Governors, 2011-2020.

Damon Runyon Cancer Foundation, 2002-.

Founding Board Member of the Rosalind Franklin Society;

## **Scientific Advisory or Review Boards**

### Past

Searle Scholar Review Board, '93-'95; Chair, Searle Scholar Review Board, '96-'98;

Recruitment Board, Stower's Institute, '98-'00;

Burroughs Wellcome Young Investigator Review Board, '98-'05;

Scientific Advisory Board, RIKEN Developmental Biology Institute, Kobe, Japan, '01-'06;

Scientific Advisory Board, Whitehead Institute, '03-'09;

Scientific Review Board, Jane Coffin Childs Foundation, '03-'15;

Scientific Review Board Cell Biology, Weizmann Institute, November, '05;

Scientific Advisory Board, Sirna Pharmaceutical Company, '05-'07;

Scientific Advisory Board, CBRI Institute for Biomedical Research, Harvard Med, '06-'12;

External Advisory Board, NYU ('08);

Scientific Advisory Board, Johnson & Johnson ('10-13);

Scientific Advisory Board MIT ('09-'16);

Scientific Advisory Board, Sick Kids University of Toronto ('17)

Scientific Review Board VIB, Belgium ('10, '20),

Scientific Advisory Board, Sackler Foundation ('15-17)

Investigator Council, Howard Hughes Medical Institute ('18-'20)

Scientific Advisory Board, University of Utah Cancer Center ('12-'22);

Scientific Advisory Board, L'Oreal ('13-'20).

Scientific Advisory Board, Arsenal Biosciences ('18-'22)

### Current

Scientific Advisory Board, IMBA Vienna ('12-); Chair of the Board ('18-)

Scientific Advisory Board, Northwestern Skin Center ('15-)

Scientific Advisory Board, Massachusetts General Hospital, Harvard Medical School ('17-)

Scientific Advisory Board, University of Cambridge Cancer Center CRUK ('18-)

Scientific Advisory Board, Klarman Cell Observatory, Broad Institute ('18-)

Sanford Stem Cell Institute UCSD ('23-)

## **Award Committees**

General Motors Foundation Awards, 2004-'06;

Selection Committee, Richard Lounsbery Award, NAS, '97, '10; Chair, '05

Pezcoller Foundation Award 2007 and 2010

Chair, AACR OAR/Clowes Awards 2008;

Jury L'Oreal-UNESCO Award 2011

Albany Prize Selection Committee 2013-.

Blavatnik Awards Selection Committee 2013; Chair Life Sciences, 2018-2020

Vallee Foundation Scholars, 2015-

Janssen Prize, 2022-; Chair 2023-

## **Elected Posts**

American Society for Cell Biology, '89-'92 Council

National Academy of Sciences, Council '01-'04;

Class II Membership Committee, '05; '08.

American Association for Cancer Research, Regional AACR Transcription Meeting Organizing Committee, '94, '97;  
Nominating Committee, '07-  
National Academy of Medicine, Council, '14-'18  
AACR Takamatsu Memorial Lectureship Committee, 16  
Fellow of the AACR Academy, '16-  
Chairperson, Clarkson Symposium, '17  
AACR Academy Steering Committee, '19-  
Board of Directors AACR, '20

### **Appointed Posts**

Correspondent, NAS Committee on Human Rights, '95-  
Program Committee, ASBMB International Meeting, '95  
Nominating Committee, ASBMB, '91, '94; Chair, '95  
ASCB Program Committee, '89; '92; '08; '15  
Special Reviewer: Ad-hoc, NIH site visits, and postdoctoral fellowships, '85-87  
Nominating Committee, ASCB, '92, Chair, '94  
Program Committee, ASCB International Meeting, '96, '97  
Vice-Chair and Chair, Epithelial Biology Gordon Conference, '99, '01  
Chair, Molecular Cell Biology Gordon Conference, '99  
Co-chair, Keystone Symposium on the Cytoskeleton, '00  
ASCB Program Committee, '09  
Nominating Committee ISSCR, '11  
Committee Human Rights of the NYAS, '11-  
Advisory Workshop to the Vatican on Stem Cells (Vatican City, '12)  
ASCB Committee to Prepare a "White Paper" advising NIH on prioritizing funding initiatives for stem cell research, '13)  
Vanderbilt Prize Selection Committee, '18-  
Vallee Foundation Scholar's Program, '18-  
Program Chair 2017 ISSCR Annual Mtg  
Program Committee 2021 ISSCR Annual Mtg

### **National Institutes of Health, National Cancer Institute, Advisory Council, Scientific Review Panels, Study Sections**

Physiological Chemistry Study Section, '83-'86  
Advisory Council to the NIH Director, Dr. Harold Varmus, '96-'00  
Scientific Review Panel to review the Intramural Program at NIAMS, '97  
Scientific Review Panel RFA on Cancer Stem Cells, '08  
NIH Special Grant Review Panel ACTS, NIAMS, '08  
Scientific Special Review Panel, President's Stimulus Package Challenge Grants, '09  
RFA CA-11-011 and 012 "Research Answers to Provocative Questions" Study Section  
National Cancer Institute, '11  
NIH K-Awards Young Investigator Review Panel ACTS, NIAMS, '16  
HHMI Investigator Review, '16, '20  
Special Review Panel NIAMS, '19, '21)

## **UNIVERSITY ADMINISTRATIVE EXPERIENCE**

### **The University of Chicago**

#### **University-Wide**

Council of the Senate. '87-90  
President's Committee to Develop a 5 Yr Plan of Intellectual & Financial Priorities, '87

University Disciplinary Committee, '96-02  
Council on Research, '97-02  
Interdivisional Building Committee, '00-'02

### **Divisional**

Chair, Committee to Reorganize the Basic Sciences within the Division of Biological Sciences, '94-95  
Dean's Advisory Committee to Set Priorities for Division of Biological Sciences, '96-02  
Chair, ACS Institutional Research Grant Committee: '85-90  
PI, Cancer Biology Training Grant, '88-02  
PI, Molecular Biology Section, NIH Cancer Center Grant, '90-02  
Executive Committee, Cancer Center, '91-02  
Steering Committee, Cancer Biology Committee, '96-02  
Chair, Curriculum Committee for Developmental Biology, '98-02  
Chair, Senior Cell Biology Search Committee, '00-02

### **Departmental**

Graduate Admissions Committee, MGCB '88-93  
Faculty Recruitment Committee: BMB and MGCB; '84-93  
Chair (MGCB), '93, '96  
Chairman's Advisory Committee (MGCB), '92-02  
Promotions and Appointments Committee (MGCB), '92-95  
Curriculum Committees, MGCB, BMB '95-02.

### **The Rockefeller University:**

Friday Lecture Series Committee Chair, '03-05; '23-  
Executive Committee of the Academic Council, '03-06  
Tri-Institutional Stem Cell Institute Initiative, '04-  
Faculty Recruitment Committee Chair, '05-06  
Honorary Degree Committee, '07-  
Faculty Budget Advisory Committee, '09  
Women in Science Breakfast Speaker, '13; '18  
Women in Science Annual Luncheon Speaker, '14; '23  
Postdoctoral Fellowship Awards Committee Chair, '10-'14  
Lecture Policy Committee Chair, '12  
Faculty Recruitment Committee, '12-  
MidCareer Hiring Committee, '13-  
Nominating Committee, Nicholson Lect, '19-  
Executive Committee of the Academic Council, '11-'14  
Chair of the Academic Council and Senate, '13-'14  
Academic Council, '19  
Organizer and Founder, Rockefeller University Retreat on Stem Cells, '15-

### **TEACHING**

**Graduate Molecular Biology II:** Eukaryotic Gene Expression (MGCB 313) '81-'95.

**Graduate Advanced Cell Biology I:** (MGCB 316) '95-'02.

**Invited Lecturer:** Cell Physiology Course, Woods Hole, Mass., '87-'89; Cell Biology Course, Northwestern Med. School, '87-'90; Cell Biology Course, Harvard University, '88; Philips Lecturer, Haverford College, '92; Storer Life Science Lectureship, University California Davis, '95; Stem Cell Course at Cold Spring Harbor, '04.

**Graduate Cell Biology** (team-taught), Sloan Kettering/Cornell Medical School, '04-

**Graduate Cell Biology guest lecturer**, Rockefeller University, '04-

**Graduate Developmental Biology guest lecturer**, Rockefeller University, '10-15

[College de France, Paris, January, 2008.](#)

**Graduate Stem Cells in Tissue Morphogenesis and Cancer Course**, Rockefeller University, '09; '11; '13 (received Rockefeller Teaching Award for this course, '11; co-taught w/Ali Brivanlou); '15; '17; '19; '21, '23.

**Graduate Course in Human Genetics**, Rockefeller University, '17, '19, '21, '23.

**International Delegation to Provide Career Education to Top High School Students in China**, '12.

**Graduate Course in Developmental Biology, EMBO Lecture for Women in Science.** Spetsai, Greece '16; '21.