

## The Irving Scholars Program 2015 - 2018

### Information and Application Procedure

**Background.** In the late 1980s, Herbert and Florence Irving created a generous endowment to support clinical research at the College of Physicians and Surgeons (P&S) on the Columbia-Presbyterian Medical Center. Part of this endowment supports the Florence and Herbert Irving clinical research career awards (“Irving Scholars”) program for junior faculty members involved in clinical research. Since the program’s inception over 25 years ago, 111 Irving Scholars have been named; a list of these Scholars, their home departments, and the dates of their awards is attached.

**Award Provisions.** The term of each award is three (3) years, **beginning July 1, 2015**, with an annual contribution towards salary and fringe benefits (and/or support of research activities) of \$60,000. During the tenure of their awards, successful candidates will hold a named professorship: either a Herbert Irving Assistant Professor of (Department) or a Florence Irving Assistant Professor of (Department). Additionally, with the initiation of our Clinical and Translational Science Award (CTSA) and expanded educational and mentoring program, we expect that Irving Scholars will assist in various, CTSA-related activities such as grant review; mentoring programs; and the development of seminars.

**Eligibility Criteria.** Although the Irving Scholars program is open to applicants from all P&S clinical departments, preference will be given to applicants from Dermatology, Medicine, Surgery, and Urology, in accordance with the terms and conditions of the endowment agreement. Each candidate must hold the rank of Assistant Professor at the time of application, should already have had significant involvement in patient-oriented research, and must be recommended by his/her department chair. Based on the number of faculty and previous applications, each department is assigned a certain number of slots. ***Prospective applicants must consult with their departmental chair before completing these application materials.***

***\*Note that, due to the overlap in the terms of the award for the Louis V. Gerstner, Jr. Scholars Program and the Irving Scholars Program, faculty are eligible to hold only one of these awards at any one time.***

The applicant’s research proposal must reflect an independent, well-developed scientific initiative in clinical investigation and be one that will make significant use of the various resources of the Irving Institute. It is expected that most successful candidates will either hold awards, or will subsequently submit research applications to organizations such as the National Institutes of Health (NIH).

**Application Procedure and Deadline.** The following materials must be merged into one PDF document and emailed no later than **5:00p, Monday, March 2, 2015**, to Ms. Sabrina Harris, [slh2168@cumc.columbia.edu](mailto:slh2168@cumc.columbia.edu).

1. Four-page application (form attached);
2. Research proposal (not to exceed 12 pages—see instructions on Page 5 of attached application);
3. Up-to-date CV;
4. NIH-style biographical sketch (with eRA Commons Username noted);
5. Reprints of relevant publications;
6. Letter of recommendation from the applicant’s Departmental Chair, including comments on the nature of the *department’s own commitment to the support of the candidate for a career in clinical and translational research.*

### The Irving Scholars 1987 - Present

<u>Scholar</u>	<u>Department</u>	<u>Term</u>
Vincent DeLeo	Dermatology	1987-90
Fredi Kronenberg	Rehabilitation Medicine	1987-90
Shonni Silverberg	Medicine	1987-93
Mitchell Benson	Urology	1988-91
Joseph Herbert	Neurology	1988-91
Robert Rees-Jones	Medicine	1988-90
Alison Estabrook	Surgery	1989-92
Mary Sano	Neurology	1989-92
Janet Prystowsky	Dermatology	1990-96
Mark Scheuer	Neurology	1990-93
Steven Shea	Medicine	1990-93
Peter Shapiro	Psychiatry	1991-94
Brenda Mallory	Rehabilitation Medicine	1992-95
Milton Packer	Medicine	1992-95
Rosario Trifiletti	Neurology	1992-94
Kirk Wilhelmsen	Neurology	1992-95
Jonathan Aviv	Otolaryngology	1993-96
Lars Berglund	Medicine	1993-97
Evan Flatow	Orthopaedic Surgery	1993-96
Cy Stein	Medicine	1993-96
Paul Greene	Neurology	1994-97
Steven Kaplan	Urology	1994-97
Douglas Nordli	Neurology	1994-98
Mehmet Oz	Surgery	1994-97
Daniel Bloomfield	Medicine	1995-98
Eric Heyer	Anesthesiology	1995-98
Angela Christiano	Dermatology	1996-99
Robert Fine	Medicine	1996-99
Robin Goland	Medicine	1996-99
Michio Hirano	Neurology	1996-99
Timothy Lynch	Neurology	1997-1998
Eric Collins	Psychiatry	1997-2000
Gwen Nichols	Medicine	1997-2000
Beth Printz	Pediatric Cardiology	1997-2000

### The Irving Scholars 1987 - Present

<u>Scholar</u>	<u>Department</u>	<u>Term</u>
Anissa Abi-Dargham	Psychiatry	1998-2001
Paula Annunziato	Pediatrics	1998-2001
E. Sander Connolly	Neurosurgery	1998-2001
Jean Ford	Medicine	1998-2001
Catherine Tuck	Medicine	1998-2001
Pamela Freda	Medicine	1999-2002
Rachel Miller	Medicine	1999-2002
Eric Rubin	Psychiatry	1999-2002
Scott Small	Neurology	1999-2002
Elliott Bennett-Guerrero	Anesthesiology	2000-03
Julide Tok Celebi	Dermatology	2000-03
Lawrence Kegeles	Psychiatry	2000-03
Kyriakos Papadopoulos	Medicine	2000-03
Tuan Vu	Neurology	2000-03
Jessica Kandel	Surgery	2001-04
Diana Martinez	Psychiatry	2001-04
Yoshifuma Naka	Surgery	2001-04
Charles Powell	Medicine	2001-04
Gaetano Barile	Ophthalmology	2002-05
Petra Kaufmann	Neurology	2002-05
Steven Kawut	Medicine	2002-05
Judith Korner	Medicine	2002-05
Michael Vitale	Orthopaedic Surgery	2002-05
Hina Chaudhry	Medicine	2003-06
Ali Gharavi	Medicine	2003-06
Shailendra Joshi	Anesthesiology	2003-06
Darrell Yamashiro	Pediatrics	2003-06
R. Graham Barr	Medicine	2004-07
Wendy Chung	Pediatrics	2004-07
Pamela Flood	Anesthesiology	2004-07
Mathew Maurer	Medicine	2004-07
Guy McKhann	Neurological Surgery	2004-07
Sanja Jelic	Medicine	2005-08
Andrew K. Joe	Medicine	2005-08
Laurel Mayer	Psychiatry	2005-08
David Owens	Dermatology	2005-08

### The Irving Scholars 1987 - Present

<u>Scholar</u>	<u>Department</u>	<u>Term</u>
Michael Chiang	Ophthalmology	2006-09
Cheryl Corcoran	Psychiatry	2006-09
Karima Djabali	Dermatology	2006-09
Dawn Hershman	Medicine	2006-07
Julia Glade Bender	Pediatrics	2007-10
Paolo C. Colombo	Medicine	2007-10
Saadi Ghatan	Neurological Surgery	2007-10
José A. Luchsinger	Medicine	2007-10
Arianna L. Kim	Dermatology	2008-11
David J. Lederer	Medicine	2008-11
Catherine E. Monk	Psychiatry	2008-11
Mishaela R. Rubin	Medicine	2008-11
Daichi Shimbo	Medicine	2008-11
Gloria H. Su	Otolaryngology	2008-11
Adam Brickman	Neurology	2009-12
Katherine Crew	Medicine	2009-12
Thomas Nickolas	Medicine	2009-12
Adam Ratner	Pediatrics	2009-12
Benjamin Spencer	Urology	2009-12
Adi Cohen	Medicine	2010-13
Tiziano Colibazzi	Psychiatry	2010-13
Srikala Raghavan	Dermatology	2010-13
Nehal P. Vadhan	Clinical Psychology	2010-13
Chunhua Weng	Biomedical Informatics	2010-13
Edward D. Huey	Psychiatry	2011-14
P. Christian Schulze	Medicine-Cardiology	2011-14
Marcella D. Walker	Medicine-Endocrinology	2011-14
Jason D. Wright	Obstetrics and Gynecology	2011-14
Hannah Wunsch	Anesthesiology and Epidemiology	2011-14
Michael T. Yin	Medicine-Infectious Diseases	2011-14
Roy Alcalay	Neurology	2012-15
Alex Dranovsky	Psychiatry	2012-15
Andrew J. Einstein	Medicine	2012-15
Andrew Moran	Medicine	2012-15

**The Irving Scholars 1987 - Present**

<b><u>Scholar</u></b>	<b><u>Department</u></b>	<b><u>Term</u></b>
Julian Abrams	Medicine-Digestive and Liver Diseases	2013-16
Benjamin Lebowhl	Medicine-Digestive and Liver Diseases	2013-16
Melissa S. Stockwell	Pediatrics and Population and Family Health	2013-16
June Wu	Surgery	2013-16
Siddhartha Mukherjee	Medicine-Oncology	2014-17
Carolyn Rodriguez	Psychiatry	2014-17
Bret R. Rutherford	Psychiatry	2014-17
Anne-Catrin Uhlemann	Medicine-Infectious Diseases	2014-17

**APPLICATION**

**The Irving Scholars Program  
2015 - 2018**

**Title Page**

**Applicant's Name**

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**Applicant's Department**

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**Applicant's Academic Title**

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**Title of Research Project**

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*2015 - 2018 Application*

**The Irving Scholars Program**

**Applicant's Name**

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**Abstract of Research Proposal** (200 words or less):

*2015 - 2018 Application*

**The Irving Scholars Program**

**Applicant's Name**

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**Applicant's Prior Patient-Oriented Research Experience.** If you have used the Irving Institute for Clinical and Translational Research (Columbia's CTSA/Clinical and Translational Research Award) facilities prior to this application, please comment and expand upon that usage and experience in this section:

**Applicant's Career Goals:**



*2015 - 2018 Application*

**The Irving Scholars Program**

**Applicant's Name**

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**Other Research Support:**

**Current**

**Pending**

**Should an Irving Scholarship (\$60,000 annually for a three-year period) be made, how will the total funds available for research (including this award) make it possible to accomplish the research goals of this application?**

## *The Irving Scholars Program 2015-2018 Application*

**Research Proposal** – Please attach a research proposal organized as follows:

- A. **Specific Aims (not to exceed one page)**. State concisely the goals of the research study and summarize the expected outcome(s), including the proposed impact the results will have on the field(s) involved. List succinctly the specific objectives of the proposed research, e.g., to test a stated hypothesis; create a novel design; solve a specific problem; challenge an existing paradigm or clinical practice; address a critical barrier to progress in the field; or develop new technology.
- B. **Research Strategy (not to exceed 10 pages—references are separate)**. Organize the Research Strategy in the order specified below. Start each section with the appropriate section headings: *Significance, Innovation, Approach*.

### **Significance (2 pages):**

- Explain the importance of the problem or critical barrier to progress in the field that the proposed project addresses. This component may include relevant background.
- Explain how the proposed project will improve scientific knowledge, technical capability, and/or clinical practice in one or more broad fields.
- Describe how the concepts, methods, technologies, treatments, services, or preventative interventions that drive this field will be changed if the proposed aims are achieved.

### **Innovation (1 page):**

- Explain how the application challenges and seeks to shift current research or clinical practice paradigms.
- Describe any novel theoretical concepts, approaches or methodologies, instrumentation or intervention(s) to be developed or used, and any advantage over existing methodologies, instrumentation, or intervention(s).
- Explain any refinements, improvements, or new applications of theoretical concepts, approaches or methodologies, instrumentation or interventions.

### **Approach (7 pages):**

- Describe the overall strategy, methodology, and analyses to be used to accomplish the specific aims of the project (unless already addressed elsewhere in this application). Include how the data will be collected, analyzed, and interpreted, as well as any resource sharing plans as appropriate.
- Discuss any preliminary studies, data, and/or experience pertinent to this application.
- Discuss potential problems, alternative strategies, and benchmarks for success anticipated to achieve the aims.
- If the project is in the early stages of development, describe any strategy to establish feasibility, and address the management of any high-risk aspects of the proposed work.<sup>1</sup>

- C. **Finally, describe how the project will utilize the various resources of the Irving Institute for Clinical and Translational Research.**

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<sup>1</sup> Excerpted from PHS 398 grant application instructions.