



## The Irving Scholars Program 2014 - 2017

### 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, 104 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, 2014**, 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.***

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 3, 2014**, to Ms. Sabrina Harris, [slh2168@columbia.edu](mailto:slh2168@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   |
| <br>                     |                      |             |
| Pamela Freda             | Medicine             | 1999-2002   |
| Rachel Miller            | Medicine             | 1999-2002   |
| Eric Rubin               | Psychiatry           | 1999-2002   |
| Scott Small              | Neurology            | 1999-2002   |
| <br>                     |                      |             |
| 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     |
| <br>                     |                      |             |
| Jessica Kandel           | Surgery              | 2001-04     |
| Diana Martinez           | Psychiatry           | 2001-04     |
| Yoshifuma Naka           | Surgery              | 2001-04     |
| Charles Powell           | Medicine             | 2001-04     |
| <br>                     |                      |             |
| 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     |
| <br>                     |                      |             |
| Hina Chaudhry            | Medicine             | 2003-06     |
| Ali Gharavi              | Medicine             | 2003-06     |
| Shailendra Joshi         | Anesthesiology       | 2003-06     |
| Darrell Yamashiro        | Pediatrics           | 2003-06     |
| <br>                     |                      |             |
| 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     |
| <br>                     |                      |             |
| 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**

| <b><u>Scholar</u></b> | <b><u>Department</u></b>        | <b><u>Term</u></b> |
|-----------------------|---------------------------------|--------------------|
| 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 Lebwohl      | Medicine-Digestive and Liver Diseases       | 2013-16            |
| Melissa S. Stockwell  | Pediatrics and Population and Family Health | 2013-16            |
| June Wu               | Surgery                                     | 2013-16            |

**APPLICATION**

**The Irving Scholars Program  
2014 - 2017**

**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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*2014 - 2017 Application*

**The Irving Scholars Program**

**Applicant's Name**

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

*2014 - 2017 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:**



*2014 - 2017 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 2014-2017 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.