The Ellison Medical Foundation was established by Lawrence J. Ellison to support biomedical research on aging. The objective of The Ellison Medical Foundation New Scholar in Aging Program is to support new investigators of outstanding promise in the basic biological sciences relevant to understanding lifespan development processes and age-related diseases and disabilities. The award is intended to provide new faculty with support during the especially critical first three years of their independent research career.

New Scholar Applications are solicited by invitation only. Institutions selected by The Ellison Medical Foundation Scientific Advisory Board are invited to nominate two candidates for a New Scholar Award in Aging for 2013.

Areas of interest include, but are not limited to: structural biology, molecular genetics, studies with model systems ranging from lower eukaryotes to humans, inquiries testing the relevance of simpler models to human aging, genetic epidemiology of aging, candidate longevity genes, aging in the immune system, host defense molecules in aging systems, mechanisms of free radical induced cell aging, mechanisms of aging in various differentiated cell populations, integrative physiology, gene/environment and gene/gene interactions, and new approaches to age-modulated disease mechanisms.

Eligibility
These awards are intended for investigators who are in the first three (3) years of their research careers following their post-doctoral fellowship experience. For the 2013 competition, nominees must hold regular full time appointments (tenure or non-tenure) on the faculty of the sponsoring institution by March 1, 2013; and they must have been in such an appointment, whether at the sponsoring institution or other institution(s), for no more than three years as of July 15, 2013, i.e. the first appointment having been made no earlier than July 15, 2010. Time spent in clinical internships, post-doctoral training, residencies, or in work toward board certification does not count as part of the three-year limit.

The Ellison Medical Foundation New Scholars may hold one other career development award from a private source concurrently for no more than one year. The limitation is with regard to overlap of funding type, even in the absence of scientific overlap. Career development or new faculty awards in conflict with the New Scholar award include, but are not limited to:

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<th>Foundation</th>
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<td>American Cancer Society</td>
<td>Research Scholar</td>
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<td>American Diabetes Association</td>
<td>Career Development Award</td>
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<td>American Diabetes Association</td>
<td>Junior Faculty Award</td>
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<td>American Federation for Aging Research</td>
<td>AFAR Research Grant</td>
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<td>Arnold &amp; Mary Beckman Foundation</td>
<td>Young Investigator Award</td>
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New Scholar Awards will only be made for the full four-year term. If a conflicting award is accepted prior to the New Scholar Award, this must be resolved by either declining The Ellison Medical Foundation award or arranging to terminate the conflicting award within one year.

**Evaluation**

Nominees for the New Scholar Award are expected to have great promise as potential leaders of biomedical science with relevance to aging. Each nominee's potential for scientific innovation, leadership, and relevance to aging will be evaluated by the Aging New Scholar Review Group and the Scientific Advisory Board, based upon the nominee's research proposal, scientific contributions to date, and the reference statements provided by those who know the nominee and his/her work well. The quality and relevance of the nominee's publications and the importance to aging of the nominee's proposed research will be significant factors in the evaluation process. Depending upon the number of nominations submitted and the qualifications of the nominees, up to 25 New Scholars will be selected in 2013.

**Terms of the Award**

Each award will be made for up to $100,000 per year, total costs, for a four year period. Funding for years two, three, and four is contingent upon submission of an acceptable progress report.

Acceptable uses for award funds include project-related salaries, other personnel costs, equipment, supplies, resource acquisition, and travel. The scholar's salary costs (including fringe benefits) may not exceed $20,000 per year. Carry-overs in excess of $25,000 must be approved by The Ellison Medical Foundation. Not more than 8% of the total award may be deducted for overhead costs.

For all (new and non-competing renewal) awards supporting research involving human subjects, animal subjects, research collaborations with foreign institutions, biosafety issues, or human embryonic stem cells, the Foundation will require the following documentation before an award can be made:

1. **Human subjects:**

   1. Copies of the protocol submitted to the Institutional Review Board(s) for this project* and the notification of protocol approval from all relevant IRBs (for funded awards an annual update will be required at the time of the progress report).
2. Documentation from the applicant institution that the principal investigator has completed training on the protection of human research participants.

2. Animal subjects:
   1. A copy of Institutional Animal Care and Use Committee approval for this project* (an annual update will be required at the time of each progress report).

3. Foreign component:
   1. A letter of support from the collaborating in-country institution.

4. Biosafety:
   1. Research supported by The Ellison Medical Foundation is expected to conform to the relevant NIH Guidelines for biosafety, including those for handling of hazardous reagents and those for research involving recombinant DNA and gene transfer (see web site http://oba.od.nih.gov/rdna/nih_guidelines_oba.html for these guidelines).
   2. A copy of Institutional Biosafety Committee approval for this project*.

5. Human Embryonic Stem Cells:
   1. Embryonic Stem Cell Research Committee approval of the protocol for this project* if it involves the use of human embryonic stem cells.

*Approval for this project means the EMF funded project, not a similar protocol funded by some other entity.
Instructions for New Scholar Application

New Scholar Applications must be completed ONLINE. Nominated candidates will receive an email providing instructions and a password to access the application at: http://www.cybergrants.com/emf/new_scholar.

The New Scholar application includes the following requirements:

**PI Contact Information**: Provide your full contact information. Include your degree(s) (e.g. M.D., Ph.D.) following Degree(s).

**Project Title**: Not to exceed 20 words. Spell out scientific notation, Greek letters or symbols in this location.

**Total Budget Amount**: Please enter the total budget amount for the project (total of all four years).

**Abstract**: The abstract should provide a succinct summary of the project rationale and objectives. Specific aims will be listed in the next section. This section has a 250 word / 2000 character limit. Spell out scientific notation, Greek letters or symbols in this location.

**Specific Aims**: Please list the project’s specific aims. Wherever possible, phrase these in the following format: “In order to …, we will …” Size limit 250 words / 2000 characters.

**Other Institutions**: Indicate whether the project will involve substantive interactions with institutions other than your own. Such interactions might include scientific collaboration, sharing of research facilities or equipment, or other activities that would be supported through a subcontract mechanism from your institution and/or that would require project approval (e.g. research involving human subjects, animal subjects, research collaborations with foreign institutions, biosafety issues, or human embryonic stem cells) at the other institution.

**New Scholar Application File**: The following SIX application components must be assembled into a single application file (in PDF format) and uploaded using the online application website. THIS FILE MUST BE NAMED USING THE FOLLOWING FORMAT using the PI name: “YearNS_LastName_FirstName” (for example: “2013NS_Smith_Jane). Maximum file size: 2 MB.

1. **Brief description of most significant research to date**: Not to exceed 1 page using 11 point font. This should highlight your most important accomplishments to date, including work performed as a trainee if appropriate. The subject may or may not be directly related to the proposed New Scholar project, but it should give reviewers a good idea of your training and research potential.

2. **Detailed Description of Overall Research Plan**: Not to exceed 5 pages using 11 point font. Include discussion of specific aims, methods, and significance of the proposed research toward understanding aging, lifespan, and age-related diseases. Any figures or
graphics must be incorporated into the 5 pages. This section should also include important research citations necessary to the interpretation of the proposed project. This list need not be comprehensive, but those references included should provide complete citations (with titles).

3. Curriculum Vitae of Principal Investigator: Not to exceed 2 pages using 11 point font. This should include education/training, positions/employment, awards/honors, and publication list.

4. Most Relevant Publications (optional): Indicate up to three of your most significant or relevant publications, including the entire URL (starting with http://), so that it can be opened by reviewers.

5. Other Support:
   a) List all research support committed, including its source, direct costs per year, and start/end dates.
   b) List all research support applied for, including its source, and expected start/end dates.
   c) List all active awards (other than grants specifically for research).

6. Budget: Complete the Budget Template (which may be downloaded from the online application website) as it applies to your project. Verify that totals (both horizontally and vertically) are accurate. This budget projection will provide the basis of the agreement between The Ellison Medical Foundation and the awarded institution for the maximum final award amount.

   • Acceptable uses for New Scholar award funds include project-related: salaries, other personnel costs, equipment, supplies, resource acquisition, and travel. The Scholar’s salary costs (including fringe benefits) may not exceed $20,000 per year.

   • Not more than 8% may be deducted from the $100,000 total annual award for overhead costs.

A hard copy of the Budget form, signed by an authorized Institutional Financial Officer and the applicant Principal Investigator must be sent to: The Ellison Medical Foundation, 104 E. Ridgeville Blvd., Mount Airy, MD 21771, and must be postmarked no later than 1 week following the application deadline.

Should an award be offered, the complete budget projection will be incorporated into an award agreement, which must be signed by an authorized organizational representative (an individual having the authority to obligate your institution to comply with the terms of the agreement) in order to activate the grant.
Letters of Reference: Provide the required contact information for each reference: (Reference identifiers appear in bold/italics.)

• **Head of the Sponsoring Institution:** This individual may be the President of the University, Provost, Dean of the School, or other similar level institutional official, and should speak to the commitment of the institution to supporting your career.

• **Head of the Department:** This individual may be your department chairman, section head, or other similar supervisor, and should speak to your recruitment and role in the department, as well as the space and resources provided to you by the department.

• **Thesis Advisor:** This is your Ph.D. advisor, or, for other than Ph.D. candidates, a member of the professional school faculty from which you obtained your degree.

• **Post-doctoral Fellowship Advisor:** This is the supervisor of your post-doctoral or similar level research training.

• **Scientific Reference:** This is an additional individual familiar with your research, and may be another investigator at your institution, a collaborator, etc. Special emphasis should be given to the relevance of your research toward understanding the basic biological processes that underlie aging and age-related diseases and how your work relates to other ongoing research in your area of expertise.

Applicants should request each reference to send the reference letter to The Ellison Medical Foundation by mail, or attached to an email to estella@ellisonfoundation.org. (See address details below under “Submission and Deadline”.)

The letter must indicate the applicant’s name and the relationship of the reference to the candidate (for example, “Thesis Advisor”, “Scientific Reference”).

Keywords: Select the Keywords most relevant to the project. Multiple keywords may be chosen for each category. If none of the keywords specified are appropriate, use the text box “Other” to type in a more relevant keyword. You must specify at least one keyword under each section.

Assurances: Indicate whether the project will involve human or animal subjects, biosafety concerns, foreign components, or human embryonic stem cells. This is all the information that is required at the application stage. Please note, however, that if you are ultimately offered an award, required documentation of relevant assurances must be submitted before an award can be made.

Statement of Understanding of the Terms of the Award: Check here to indicate that you have read and agree to the terms of the award.
**Submission and Deadline:** Applications must be completed online by **11:59 p.m. Eastern Standard Time February 28, 2013.** Reference letters must be received separately (via direct mail or email) by the same deadline. 

**The Ellison Medical Foundation**  
104 E. Ridgeville Blvd.  
Mount Airy, MD 21771  
Phone: 301-829-6410  
Email: estella@ellisonfoundation.org

**Timeline:**
- Award recipients will be notified in June, 2013.
- The earliest possible start date of the award is dependent on completion of the award agreement with the grantee institution.

**Address any questions to:** Kevin J. Lee, Ph.D., Executive Director  
Phone: 301-829-6410  
Email: klee@ellisonfoundation.org