Overview:

Simons Investigators in Mathematical Modeling of Living Systems (MMLS) is a joint program of the Mathematics and Physical Sciences and Life Sciences divisions of the Simons Foundation. Investigators in MMLS are outstanding scientists, often with mathematics or theoretical physics backgrounds, now engaged in research based on mathematical modeling in the life sciences.

A broad spectrum of research areas within the life sciences will be considered, ranging from cellular-level issues of organization, regulation, signaling and morphogenic dynamics to the properties of organisms and ecology, as well as neuroscience and evolution; however, preference will be given to areas in which modeling approaches are less established and, for this reason, bioinformatics-and genomics-related proposals fall outside the scope of the program. In all cases, preference will be given to work developing deep theoretical ideas relevant to experiments, suggesting new questions and new classes of experiments, introducing important, new concepts, and explaining data.

Eligibility:

- At the time of the appointment start date (August 1, 2019), an Investigator
should be in the early stages of an academic career and must be within ten years of the start of his/her first faculty position.

- Scientists must be engaged in research related to the MMLS program and must not previously have been a Simons Investigator.
- Scientists must have a primary appointment as a faculty member (tenured or non-tenured).
- The program explicitly does not support translational or specifically human disease-related research.

**Award Background:**

- **Award Amount:** $660,000 over 5 years ($100,000/year in research support for Investigator; $10,000/year for the Investigator's department; $22,000/year in overhead).
- **Number of Awards:** up to 7
- **Number of UMass Amherst Nominees:** up to 2
- **Directory of Past Awardees** - We strongly recommend reviewing past awards to determine competitiveness.

**Deadlines**

**Internal:** September 14, 2018  
**External:** October 31, 2018

**Internal Application Process**

The internal selection process will be led by a committee composed of the deans of internal applicants' respective schools and colleges or their designees and, if necessary, the Provost, Vice Chancellor for Research Engagement, or faculty with relevant expertise and informed by the grant programs' guidelines and submission requirements.

If you are interested in applying to this program please email a pre-proposal with the following items in a single PDF by **September 16, 2017** to cfr@admin.umass.edu:

**Simons Investigators in the Mathematical Modeling of Living Systems**

- A research statement outlining your research vision and plans (two-page limit; references and figures do not need to be included in the page limit but should not exceed an additional page).

- Curriculum vitae, including Ph.D. year, institution, advisor, postdoctoral institutions and advisors, positions held subsequent to award of doctorate, and up-to-date publication list.

- A list of postdoctoral fellows and Ph.D. students previously and currently supervised.

- List of current and pending grant awards.
Additional Information

For additional information, visit the program's website. If you have technical questions about the grant program or your eligibility, please contact Liz Smith or Michael Stein in Corporate and Foundation Relations.

Please click on the following links for more information on funding opportunities:
- On-Campus Funding Opportunities
- Funding for New or Early Career Faculty

You can find additional information on the CFR Website:
- Private Foundation Limited Submission Opportunities
- Grant Writing Tips and Suggestions