



Institute for Complex  
Adaptive Matter

*The Institute for Complex Adaptive Matter  
Announces the 2012 Call for  
Postdoctoral and Senior Faculty Fellowship  
Applications  
For Academic Year 2013-2014*

The Institute for Complex Adaptive Matter (ICAM) invites applications for postdoctoral and senior faculty fellow appointments tenable at ICAM branch member institutions for the academic year 2013-2014. These awards are intended to catalyze research and research collaborations on complex adaptive matter, by supplementing existing postdoctoral appointments or sabbatical leave support. Successful applicants are expected to carry out a research program at ICAM institutions and to participate actively in educational outreach. As many as 4-5 postdoctoral fellows and 1 senior faculty fellow will be awarded in the fields of quantum matter, biological matter, soft matter (including chemical and biochemical matter), or emergent materials for renewable energy sources. ***NOTE – Postdoctoral and Senior Fellowships have been increased to a maximum of \$30,000 per year.***

Application deadline is **November 9, 2012**. Only applications that are complete by the deadline will receive full consideration. Applications must be submitted online at <http://www.i2cam.org/>

ICAM welcomes applications from women and underrepresented groups.

*Application deadline EXTENDED TO  
November 9, 2012*

ICAM Postdoctoral and Senior Faculty Fellowships			
	<i>Postdoctoral Fellow Applicant Driven (Track I)</i>	<i>Postdoctoral Fellow Mentor Driven (Track II)</i>	<i>Senior Faculty Fellow</i>
GENERAL INFORMATION:			
Duration of Award	Two years, provided evidence of satisfactory performance is given in progress report submitted after completion of initial nine months of the award.		Up to one year. Not renewable.
Eligibility Requirements	<ul style="list-style-type: none"><li>• Must be within 4 years of PhD at start of fellowship period.</li><li>• Must not have previously had an ICAM fellowship award.</li><li>• Fellowship research must involve 2 or more ICAM branches.</li><li>• Postdoctoral Fellowship applicants may not currently be PhD students of either mentor, nor have been PhD students of either mentor within the past year.</li></ul>		<ul style="list-style-type: none"><li>• Must be faculty or permanent staff at an ICAM branch.</li><li>• Research must involve 2 or more ICAM branches.</li></ul>
INCLUDE IN APPLICATION:			
1. Proposal & budget: (5 page maximum)	Title, project description, schedule/timeline, itemized ICAM budget up to \$30,000/yr, and the amount <i>and</i> source of other funding.		
2. CVs	<ul style="list-style-type: none"><li>• Applicant</li><li>• Primary mentor</li><li>• Secondary mentor</li></ul> (NSF Style sample on ICAM web pages)	<ul style="list-style-type: none"><li>• Applicant (Primary mentor)</li><li>• Secondary mentor</li><li>• Researcher (CV may be submitted <i>after</i> selection.)</li></ul> (NSF Style sample on ICAM web pages)	<ul style="list-style-type: none"><li>• Applicant</li></ul> (NSF Style sample on ICAM web pages)
3. Letters	One letter of recommendation from each mentor, plus a letter assessing the proposal from a scientist who is not part of the collaboration. (An external reference.)	None	<ul style="list-style-type: none"><li>• Letters from two scientists (colleagues) familiar with the proposed Fellowship research.</li><li>• A letter from the host organization detailing local financial support.</li></ul>
4. Publications	Include with the proposal, a list of the applicant's publications plus electronic copies of two of these.		
FELLOWSHIP FOLLOW-UP:			
Reporting	Send ICAM a brief progress report on the Fellowship-related research after nine months, and a detailed summary of accomplishments at the conclusion of the Fellowship.		Send ICAM a summary of accomplishments at the conclusion of the Fellowship period.
Presentation	Make a presentation on the Fellowship-related research at an ICAM annual conference following the Fellowship period.		
Outreach	Engagement with one of ICAM's SEE initiatives described at <a href="http://icam-i2cam.org/index.php/outreach">http://icam-i2cam.org/index.php/outreach</a>		
Acknowledgements	Acknowledge NSF & ICAM support in all publications and presentations resulting from this research. (ICAM will provide necessary details.)		

## General Criteria Used to Evaluate Awards

- The most important criterion is the quality of the scientific research being proposed.
- High priority is given to new collaborations and to mentors who have not participated before.
- High priority for the Postdoctoral Fellowships is given to candidates who are new Ph.D.'s at the start of the fellowship.
- While single sub-field collaborations are welcomed, some priority will be given to those that involve work that crosses sub-field boundaries.
- In general ICAM will limit fellowship awards to 1) no more than one fellowship per year, per mentor, with the understanding that 2nd year ICAM Postdoctoral mentors would be ineligible for consideration, 2) no more than two per year, per institution, 3) no more than one per person, per career, in either Track I or Track II categories, and 4) no more than one additional Postdoctoral Fellowship award to institutions with two existing Postdoctoral Fellowships.
- Postdoctoral awardees must spend at least two months per calendar year on average at their secondary institution.
- Track II choices (by mentors) for fellowship awardees must be reviewed and approved by the ICAM Fellows Committee prior to July 1, 2013 in order for funds to be delivered to the primary mentor institution.
- If a Track II award is not filled during the target year, the mentors must submit a formal request for a no-cost extension of start-date to ICAM co-directors and Fellows Committee Chair. Ordinarily we will only extend these for one year.
- If the mentors have pre-selected a Postdoctoral Fellow candidate, the Postdoctoral candidate should submit the proposal under the Track I – Applicant Driven application.
- Senior Fellowships may be awarded more than once to the same applicant only in cases of novel and clearly outstanding proposals, and at least five years after the first award.
- Maximum annual awards for fellows are \$30,000.00, and may be less at the discretion of the Fellows Committee and the amount requested. Funds are sent directly to primary host institutions.
- Proposals must indicate amount and type/source of primary funding for postdoctoral awards.
- **All ICAM awards are to be administered free of indirect cost charges or other fees by the host institutions.**



Institute for Complex  
Adaptive Matter