



# APPLICATION FOR RESEARCH EXPERIENCE FOR TEACHERS PROGRAM SUMMER 2008

University of Colorado

*Program Dates: June 16, 2008 through July 25, 2008  
Applications due April 4, 2008. Awards announced by April 25, 2008.*

National Science Foundation Research Experience for Teachers (NSF-RET) grants will be available to fund research in the Liquid Crystal Materials Research Center laboratories in Summer 2008. The purpose of the NSF-RET program is to provide an opportunity for teachers to carry out front-line research and further their continued professional development. Teachers earn a stipend of \$3800 for the six-week period and may earn up to 4 credit hours paid by the grant (pending approval.) A housing allowance of \$2000 is available for teachers living more than 60 miles from Boulder. The NSF-RET program enables teachers to experience the research environment in active research groups working on problems of current interest in their respective fields. Each teacher will be placed in a group, typically comprised of a lead professor, post docs and graduate students, and will work on a project with oversight from the group. At the end of the research activity, teachers will provide a written report to summarize their results and present ideas for classroom activities arising from their involvement in the NSF-RET program. The course syllabus will be posted on our web site after receiving university approval (please visit <http://lcmrc.colorado.edu>).

Name	_____	Phone	_____
Home Address	_____	Email	_____
street, city, state, zip	_____		
School	_____	District	_____
Grade Level(s)	_____	County	_____
		Subject(s)/Course(s)	_____

Opportunities for participation exist in the following research specialties of the Center. Please indicate your first, second and third choices of interest.

- \_\_\_\_\_ a. Physics (Modeling LCs by Theory & Simulation)
- \_\_\_\_\_ b. Physics (Physical Characterization of LCs)
- \_\_\_\_\_ c. Chemistry (Organic Synthesis & Surface Modification)
- \_\_\_\_\_ d. Chemistry (Design And Synthesis of New Functional Liquid Crystals)
- \_\_\_\_\_ e. Chemical Engineering (Polymer-gels in Smectic LCs)
- \_\_\_\_\_ f. Chemical Engineering (Self-assembled Nanostructures)
- \_\_\_\_\_ g. Chemical Engineering (Characterization of Functional Liquid Crystal-Based Materials)

**Please contact us if you need further information, otherwise mail your application materials to:**

Christine Morrow, LC MRC Outreach Director  
University of Colorado  
Department of Physics, 390 UCB  
Boulder, Colorado 80309-0390  
Phone (303) 735-2527  
Fax (303) 492-2998  
Email: [Christine.Morrow@Colorado.EDU](mailto:Christine.Morrow@Colorado.EDU)  
<http://lcmrc.colorado.edu>