



Institute for Materials Science

ims.lanl.gov

Call for Rapid Response 2019 (RR 2019): LANL Targeted Funding Opportunity for Program Development in Materials Science

Due Date: Oct 21 2018, 5:00 pm.

Objective: The Institute for Materials Science (IMS) aims to promote cutting edge ideas in materials science. In anticipation of program funding in FY19, we are seeking small-scale targeted program development projects to be funded and completed within FY 2019. We invite ideas and projects that develop new capabilities for Los Alamos within all areas of materials science, both theory and experiment.

Scope: Successful projects may include small-scale, cutting edge/high risk research proposals focused on materials, including proposals on materials informatics, machine learning, advanced manufacturing, materials for quantum information, summer seminar series, workshops, support of visitors, students, and mini-sabbatical visits to and outside Los Alamos, as well as other activities that are in support of capability/program development. Interdisciplinary projects are encouraged. All capability development/research activities are expected to promote *cutting-edge ideas* and *capabilities not currently funded*.

Formats:

Capability development/research activities: One page proposal outlining the idea:

1. What is the idea, why is this highly innovative and high-risk/high-reward? How does this compare to current state-of-the-art;
2. Scope of proposed work;
3. Personnel;
4. How the proposed work will advance the materials strategy and program development at Los Alamos; and
5. Proposed budget.

Workshops, seminar series, seminar speaker, mini-sabbaticals: One page proposal or less outlining:

1. Proposed concept (i.e. speaker, area of study, visit location);
2. Capabilities enabled or explored for future expanded development at LANL;
3. How this fits within the LANL Materials Strategy;
4. Proposed budget.

Scale: Funding scale will be commensurate with the scale of the project.

Please submit proposals to: A. Balatsky (avb@lanl.gov), Filip Ronning (fronning@lanl.gov)
cc: Kelly Shea (kshea@lanl.gov)

Subject line: RR 2019 submission

The Institute for Materials Science (IMS) is a part of the National Security Education Center (NSEC)

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