

**Request for Applications
Award for research into calpain 3 and
limb girdle muscular dystrophy type 2a/calpainopathy**

Synopsis:

Coalition to Cure Calpain 3 (C3) provides funding support for research with the goal of enabling further translational development that can lead to meaningful therapeutic approaches for limb-girdle muscular dystrophy, type 2A/calpainopathy (LGMD2A). In support of this goal C3 funds projects that are likely to expand the understanding of calpain 3 and LGMD2A disease.

This award is not limited to US-based institutions. This award should not be used for indirect costs and overhead charges.

Grant focus areas:

C3 is actively soliciting grant proposals for research related to understanding LGMD2A in the context of developing a therapeutic including:

- Pathogenesis of LGMD2A
- Disease mechanisms underlying LGMD2A
- Generation of an assay for measuring activity of calpain 3
- Identification of calpain 3 substrates in skeletal muscle
- Identification and validation of therapeutic targets in LGMD2A
- Optimization of CAPN3 gene replacement strategies
- Alteration of LGMD2A disease course by identification of agents that protect or restore degenerating and/or dysfunctional skeletal muscle

To be eligible to apply for this grant, applicants must:

- Hold a Ph.D., M.D., D.Sc., or equivalent degree (i.e. D.O.)
- Be a professional or faculty member (professor, associate professor, or assistant professor) at an appropriate educational, medical, or research institution
- Be qualified to conduct and mentor a program of research within his or her own laboratory
- Assume both administrative and financial responsibility for the grant
- Have access to institutional resources necessary to conduct the proposed research project

Application instructions:

Length: up to 10 pages for Sections IV through VII: Specific aims, background, experimental methods, and data analysis

I. Title page*

II. A brief lay abstract

III. Overview of proposed project including description of therapeutic significance, rationale for translational potential, milestones, and go/no go decisions for each milestone

IV. Specific aims

V. Background and significance

- VI. Experimental methods and design
- VII. Data analysis and interpretation
- VIII. Timeline and expected outcome for each milestone
- IX. Key personnel **
- X. Detailed budget ***for each aim
- XI. Literature cited

*For title page, please provide:

- Project title
- Principal investigator/Project director name, position/title, and contact information
- Proposed period of research and of support
- Total amount of funding requested by milestone

**For key personnel, please provide: name, position/title, department, mailing address, email address, telephone and fax numbers, project role, biographical information, and if commitment is in place for supporting their contribution to the project

*** For detailed budget, please provide:

- Personnel costs (including name, role, % effort, base salary, requested salary, fringe)
- Costs of supplies (itemized)
- Equipment costs (itemized)
- Animal costs
- Other costs
- Financial support being received for this project from other sources
- Total costs requested from C3
- Budget justification

Deadline:

Proposals will be accepted and reviewed on a rolling basis. Proposals should be emailed to C3 Scientific Director Dr. Jennifer Levy (jennifer@curecalpain3.org). Applicants are encouraged to consult with Dr. Levy before submission of their full proposals.