# Chronic Pain - Open Grant Opportunities

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<tr>
<th>Sponsor</th>
<th>Name of Program</th>
<th>Deadline</th>
<th>Brief Description</th>
<th>Opportunity ID</th>
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<td>National Institutes of Health</td>
<td>Mechanisms, Models, Measurement, &amp; Management in Pain Research (R21 Clinical Trial Optional)</td>
<td>5/8/2019</td>
<td>The purpose of this Funding Opportunity Announcement (FOA) is to inform the scientific community of the pain research interests of the various Institutes and Centers (ICs) at the National Institutes of Health (NIH) and to stimulate and foster a wide range of basic, clinical, and translational studies on pain as they relate to the missions of these ICs. New advances are needed in every area of pain research, from the micro perspective of molecular sciences to the macro perspective of behavioral and social sciences. Although great strides have been made in some areas, such as the identification of neural pathways of pain, the experience of pain and the challenge of treatment have remained uniquely individual and unsolved. Furthermore, our understanding of how and why individuals transition to a chronic pain state after an acute injury is limited. Research to address these issues conducted by interdisciplinary and multidisciplinary research teams is strongly encouraged, as is research from underrepresented, minority, disabled, or women investigators.</td>
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<td>National Institutes of Health</td>
<td>Mechanisms, Models, Measurement, &amp; Management in Pain Research (R01 Clinical Trial Optional)</td>
<td>5/8/2019</td>
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This Funding Opportunity Announcement (FOA) seeks clinical research on self-management interventions and technologies that improve health and quality of life in persons needing assistance to optimize and maintain existing functional capabilities, prevent/delay disabilities and navigate their environment. The research focus encompasses maintenance/restorative care that can be tailored to individuals’ existing functional abilities and interests and is intended to enhance physical, sensory, motor, and mental capabilities. Of particular interest is research designed to maintain functional capabilities in such conditions as cardiac and respiratory insufficiency, movement impairment associated with arthritis, chronic back pain, stroke, and other physical or cognitive disabilities.


This Funding Opportunity Announcement (FOA) seeks clinical research on self-management interventions and technologies to sustain health and optimize functional capabilities in persons needing assistance to optimize and maintain existing functional capabilities, prevent/delay disabilities and navigate their environment. The research focus encompasses maintenance/restorative care that can be tailored to individuals’ existing functional abilities and interests and is intended to enhance physical, sensory, motor, and mental capabilities. Of particular interest is research designed to maintain functional capabilities in such conditions as cardiac and respiratory insufficiency, movement impairment associated with arthritis, chronic back pain, stroke, and other physical or cognitive disabilities.


This funding opportunity announcement (FOA) encourages exploratory /developmental research grant applications (R21) to investigate the fundamental science of mind and body approaches, including mind/brain-focused practices (e.g., meditation, hypnosis), body-based approaches (e.g., acupuncture, massage, spinal manipulation/mobilization), meditative exercise (e.g., yoga, tai chi, qi gong), art and music therapies, or integrative approaches combining several components. Studies of pharmacologic approaches exclusively are not included in the scope of this FOA.


This Funding Opportunity Announcement (FOA) encourages research grant applications (R01) to investigate the fundamental science of mind and body approaches, including mind/brain-focused practices (e.g., meditation, hypnosis), body-based approaches (e.g., acupuncture, massage, spinal manipulation/mobilization), meditative exercise (e.g., yoga, tai chi, qi gong), art and music therapies, or integrative approaches combining several components. Studies of pharmacologic approaches exclusively are not included in the scope of this FOA.

The purpose of this initiative is to encourage preclinical and clinical research and secondary data analysis on symptom cluster characterization that has potential to inform treatment and interventions that improve functional outcomes and quality of life in patients with chronic conditions.

Research objectives include, but are not limited to, the following:

- Phenotyping symptom clusters: 1) Assess similarities in symptom cluster phenotypes across chronic conditions, including symptom onset and changes over time; 2) Compare the number and types of symptom clusters across chronic conditions; 3) Determine phenotypic predictors for the development of a prespecified symptom cluster in patients with chronic conditions.
- Mechanisms of symptom clusters: 1) Investigate the underlying genetic and epigenetic mechanisms for symptom clusters in chronic conditions; 2) Investigate the pathophysiology that may contribute to symptom clusters in chronic conditions; 3) Develop or adapt computational models or statistical modeling to predict altered biological pathways within a symptom cluster that occur in a chronic condition.
- Symptom cluster measurement: 1) Evaluate the use of large data sets and electronic health records to validate measurement or to predict symptom cluster onset in chronic conditions; 2) Evaluate the validity, reliability and responsiveness of PROMIS measures and common data elements (CDEs) in symptom cluster research pertaining to chronic conditions.


**Total Number of Opportunities**: 7