

Osteoarthritis Biomarkers Project (OABP)

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Research Areas



Biomarker Research

Imaging

At a Glance

- Status: **Completed Consortium**
- Year Launched: **2012**
- Initiating Organization: **Foundation of the National Institutes of Health**
- Initiator Type: **Nonprofit foundation**
- Location: **International**

Abstract

The Osteoarthritis Biomarkers Project (OABP) is a consortium designed to identify and classify biological markers of progression of knee osteoarthritis (OA). The goal is to advance the ability to predict an individual's risk of developing severe OA and to monitor progression of OA, which would lead to early intervention.

Mission

As a partnership between the Foundation for the National Institutes of Health (FNIH) Biomarkers Consortium, NIH's Osteoarthritis Initiative (OAI), and the Osteoarthritis Research Society International (OARSI), OABP's goal is to identify one or more quantitative magnetic resonance imaging (qMRI) measures that surpasses sensitivity of joint space narrowing (JSN), an outmoded biomarker of disease progression and clinical outcome, the current regulatory endpoint.

OABP also aims to assess 12 biochemical markers (serum and urine) and correlate with clinical outcome, such as those that are:

The biomarkers being analyzed by OABP were selected after a series of meetings by OARSI, the leading professional society in OA, the U.S. Food and Drug Administration (FDA), and key opinion leaders from the private and public sectors. The consortium will leverage the OAI dataset, a multicenter, longitudinal, prospective, observational study of knee OA.

Structure & Governance

Research for this study will be conducted by an international team of leading OA scientists and clinicians and will utilize the extraordinary resources of OAI.

Financing

OABP is sponsored by a public-private partnership through the FNIH Biomarkers Consortium.

Data Sharing

Data sharing is coordinated by the partners at the University of California, San Francisco.

Impact/Accomplishment

The potential impact of this project is significant. The OA biomarkers identified may be used to categorize individuals at risk of developing severe OA, to develop new measures for clinical progression of the disease, and to develop new treatment options for the prevention of OA progression.

Links/Social Media Feed

Other website

<http://www.fnih.org/work/research-partners/osteoarthritis-biomarkers-project>

Points of Contact

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Sponsors & Partners

Foundation of the National Institutes of Health

GlaxoSmithKline

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Osteoarthritis Research Society International

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