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GO-PAIN Osteoarthritis and chronic joint pain

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AFLAR patient organization group

Osteoarthritis (OA), which affects > 650 million people worldwide, is the leading cause of disability over 50, affecting mainly knee, hip and hand. Chronic joint pain is the main symptom of OA, orchestrating the therapeutic management. A better understanding of the mechanisms underlying this pain is essential to provide significant solutions for the millions of patients with persistent pain.

To expand and deepen our understanding of OA pain, we need to have a holistic approach encompassing joint clinical and imaging, brain imaging, molecular and omics biomarkers, as well as demographic and socio-psychological components.

The GO-PAIN working group, composed of experts from different horizons (neurologists, neuroscientists, pain specialists, rheumatologists, biologists, physiotherapist, psychologists, radiologists) and patients, will aim to delineate the current knowledge about OA-related pain phenotyping by performing systematic literature reviews (SLR). In combination with usual methodology for SLR, BIBOT, an artificial intelligence tool performing SLR automatically, will be used.

The GO-PAIN group will collectively identify unmet needs and a research agenda for a holistic approach to OA-related pain phenotyping. The interdisciplinary expertise combined with patient's pain experience will be critical for each step of the project.

The ambition of GO-PAIN project is to launch an international cohort collecting a maximum of information about OA pain, thereby addressing the identified unmet needs.

