**IMI-PainCare**

**Project ID:** 777500  
**Funded under:** H2020-EU.3.1.7.

**Improving the care of patients suffering from acute or chronic pain**

**From** 2018-04-01 **to** 2022-03-31, ongoing project

<table>
<thead>
<tr>
<th><strong>Project details</strong></th>
<th><strong>Total cost:</strong> EUR 23 355 771,25</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td><strong>EU contribution:</strong> EUR 11 225 271,25</td>
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<td><strong>Topic(s):</strong></td>
<td>IMI2-2016-10-03 - Improving the care of patients suffering from acute or chronic pain</td>
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<tr>
<td><strong>Funding scheme:</strong></td>
<td>IMI2-RIA - Research and Innovation action</td>
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**Objective**

There is a very high need for improving the management of pain. Acute and persistent pain of different origins represent a common medical, social, and economic burden, and its pharmacotherapy is often inadequate. To advance management of pain patients and support decision making in clinical practice, more predictive assessments of treatment success are needed. The development of analgesics is onerous because promising preclinical data often do not translate into the clinic. Improved pharmacodynamic biomarkers could define whether nociceptive signalling is adequately modulated by a new drug, so increasing the chance of successful translation and greatly reducing the risk in initiating clinical development. Further, the pathophysiology of chronic pelvic pain indications is poorly understood and no adequate preclinical models are available, precluding focused preclinical research and leaving affected patients with little hope of relief.

IMI-PainCare aims at making advances in these three pain areas in a complementary manner. Three subprojects will address specific scientific challenges. Subproject PROMPT will identify Patient Reported Outcome Measures as tools to standardise assessments of treatment success of acute and chronic pain in Real World conditions and controlled trials, and so improve its management; subproject BioPain will validate the translatability of pharmacodynamic biomarkers and PK-PD modelling in pain pathways of healthy subjects and preclinical species, thereby offering tools to improve drug development; subproject TRiPP will identify biomarkers and novel therapeutic pathways of clinical phenotypes of patients with chronic pelvic pain, which after back-translation, can improve how preclinical models reflecting human diseases.

The goal of IMI-PainCare is to improve the care of patients with acute or chronic pain by providing a toolbox to streamline the development process for novel analgesic drugs and to improve treatment quality in clinical practice.

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EU contribution: EUR 0

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