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Effective combinational treatment of chronic pain in individual patients by an innovative quantitative systems pharmacology (OSP) pain relief approach

WHAT

We develop novel, personalised, and effective combinational treatments of existing medications.

Currently, 60% of chronic pain patients do not experience proper pain relief upon treatment.

WHY

HOW

in silico data integration and model development o preclinical validation clinical validation (in healthy volunteers and real-world pain patients)

Improved mechanistic understanding of chronic pain treatment

effects

Improved mechanistic understanding of chronic pain

QSPainRelief platform to predict novel combinations of existing drugs for improved pain relief

PainRelief

OSPainRelief is an international research project that brings together 10 institutions from 5 European countries and the USA.

Validated **QSPainRelief** model platform

Data,

information,

mathematical

modelling,

integration

QSPainRelief data base open for use by stakeholders

Improved drug treatment for real world chronic pain patients

From idea to application



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