SIP opinions on 11 ideas on innovative enrichment strategies for mental disorders using objective, quantifiable predictive biomarkers

IHI received 11 almost-identical ideas from 11 separate organisations / individuals. As they are extremely similar, the SIP assessed them together and we are publishing their opinions together here, as follows.

Idea title: Innovative enrichment strategies for mental disorders using objective, quantifiable predictive biomarkers for therapeutic interventions

Reference numbers of the ideas: TI_001225, TI_001224, TI_001223, TI_001222, TI_001221, TI_001233, TI_001232, TI_001231, TI_001230, TI_001226

Idea title: Enrichment strategies for mental disorders using objective, quantifiable biomarkers towards the development of preventive, diagnostic or therapeutic discoveries

Reference number of the idea: TI_001219

Outcome of the IHI JU Science and Innovation Panel on ideas submitted for potential IHI topics

Reference number of the idea: N° TI_001219

Enrichment strategies for mental disorders using objective, quantifiable biomarkers towards the development of preventive, diagnostic or therapeutic discoveries

Overall opinion

The SIP is of the opinion to keep the idea for consideration with a few scoping considerations.

The idea is interesting because it addresses a high unmet need but is lacking specific objectives in relation with which gaps are addressed. Mental health diseases are complex and concern a potentially very large population, which questions the feasibility around the follow up of very big cohorts of patients.

Enrichment strategies should address the optimisation and acceleration of biomarkers validation, for instance by considering multi-omics (e.g., for a specific mental disease), imaging and other digital markers. This should also include the necessary regulatory pathway, as well as linking with effective implementation and integration of predictive biomarkers in healthcare systems.

Of note: The idea being similar to the following other idea(s): TI_001221, TI_001222, TI_001223, TI_001224, TI_001225, TI_001226, TI_001230, TI_001231, TI_001232 and TI_001233. These are to be considered all together.

Outcome of the IHI JU Science and Innovation Panel on ideas submitted for potential IHI topics

Reference number of the idea: N° TI_001221

Innovative enrichment strategies for mental disorders using objective, quantifiable predictive biomarkers for therapeutic interventions

Overall opinion

The SIP is of the opinion to keep the idea for consideration with a few scoping considerations.

The idea is interesting because it addresses a high unmet need but is lacking specific objectives in relation with which gaps are addressed. Mental health diseases are complex and concern a potentially very large population, which questions the feasibility around the follow up of very big cohorts of patients.

Enrichment strategies should address the optimisation and acceleration of biomarkers validation, for instance by considering multi-omics (e.g., for a specific mental disease), imaging and other digital markers. This should also include the necessary regulatory pathway, as well as linking with effective implementation and integration of predictive biomarkers in healthcare systems.

Of note: The idea being similar to the following other idea(s): TI_001219, TI_001222, TI_001223, TI_001224, TI_001225, TI_001226, TI_001230, TI_001231, TI_001232, TI_001233. These are to be considered together.

Outcome of the IHI JU Science and Innovation Panel on ideas submitted for potential IHI topics

Reference number of the idea: N° TI_001222

Innovative enrichment strategies for mental disorders using objective, quantifiable predictive biomarkers for therapeutic interventions

Overall opinion

The SIP is of the opinion to keep the idea for consideration with a few scoping considerations.

The idea is interesting because it addresses a high unmet need but is lacking specific objectives in relation with which gaps are addressed. Mental health diseases are complex and concern a potentially very large population, which questions the feasibility around the follow up of very big cohorts of patients.

Enrichment strategies should address the optimisation and acceleration of biomarkers validation, for instance by considering multi-omics (e.g., for a specific mental disease), imaging and other digital markers. This should also include the necessary regulatory pathway, as well as linking with effective implementation and integration of predictive biomarkers in healthcare systems.

Of note: The idea being similar to the following other idea(s): TI_001219, TI_001221, TI_001223, TI_001224, TI_001225, TI_001226, TI_001230, TI_001231, TI_001232, TI_001233. These are to be considered all together.

Outcome of the IHI JU Science and Innovation Panel on ideas submitted for potential IHI topics

Reference number of the idea: N° TI_001223

Innovative enrichment strategies for mental disorders using objective, quantifiable predictive biomarkers for therapeutic interventions

Overall opinion

The SIP is of the opinion to keep the idea for consideration with a few scoping considerations.

The idea is interesting because it addresses a high unmet need but is lacking specific objectives in relation with which gaps are addressed. Mental health diseases are complex and concern a potentially very large population, which questions the feasibility around the follow up of very big cohorts of patients.

Enrichment strategies should address the optimisation and acceleration of biomarkers validation, for instance by considering multi-omics (e.g., for a specific mental disease), imaging and other digital markers. This should also include the necessary regulatory pathway, as well as linking with effective implementation and integration of predictive biomarkers in healthcare systems.

Of note: The idea being similar to the following other idea(s): TI_001219, TI_001221, TI_001222, TI_001224, TI_001225, TI_001226, TI_001230, TI_001231, TI_001232, TI_001233. These are to be considered all together.

Outcome of the IHI JU Science and Innovation Panel on ideas submitted for potential IHI topics

Reference number of the idea: N° TI_001224

Innovative enrichment strategies for mental disorders using objective, quantifiable predictive biomarkers for therapeutic interventions

Overall opinion

The SIP is of the opinion to keep the idea for consideration with a few scoping considerations.

The idea is interesting because it addresses a high unmet need but is lacking specific objectives in relation with which gaps are addressed. Mental health diseases are complex and concern a potentially very large population, which questions the feasibility around the follow up of very big cohorts of patients.

Enrichment strategies should address the optimisation and acceleration of biomarkers validation, for instance by considering multi-omics (e.g., for a specific mental disease), imaging and other digital markers. This should also include the necessary regulatory pathway, as well as linking with effective implementation and integration of predictive biomarkers in healthcare systems.

Of note: The idea being similar to the following other idea(s): TI_001219, TI_001221, TI_001222, TI_001223, TI_001225, TI_001226, TI_001230, TI_001231, TI_001232, TI_001233. These are to be considered together.

Outcome of the IHI JU Science and Innovation Panel on ideas submitted for potential IHI topics

Reference number of the idea: N° TI_001225

Innovative enrichment strategies for mental disorders using objective, quantifiable predictive biomarkers for therapeutic interventions.

Overall opinion

The SIP is of the opinion to keep the idea for consideration with a few scoping considerations.

The idea is interesting because it addresses a high unmet need but is lacking specific objectives in relation with which gaps are addressed. Mental health diseases are complex and concern a potentially very large population, which questions the feasibility around the follow up of very big cohorts of patients.

Enrichment strategies should address the optimisation and acceleration of biomarkers validation, for instance by considering multi-omics (e.g., for a specific mental disease), imaging and other digital markers. This should also include the necessary regulatory pathway, as well as linking with effective implementation and integration of predictive biomarkers in healthcare systems.

Of note: The idea being similar to the following other idea(s): TI_001219, TI_001221, TI_001222, TI_001223, TI_001224, TI_001226, TI_001230, TI_001231, TI_001232, TI_001233. These are to be considered together.

Outcome of the IHI JU Science and Innovation Panel on ideas submitted for potential IHI topics

Reference number of the idea: N° TI_001226

INNOVATIVE ENRICHMENT STRATEGIES FOR MENTAL DISORDERS USING OBJECTIVE, QUANTIFIABLE PREDICTIVE BIOMARKERS FOR THERAPEUTIC INTERVENTIONS

Overall opinion

The SIP is of the opinion to keep the idea for consideration with a few scoping considerations.

The idea is interesting because it addresses a high unmet need but is lacking specific objectives in relation with which gaps are addressed. Mental health diseases are complex and concern a potentially very large population, which questions the feasibility around the follow up of very big cohorts of patients.

Enrichment strategies should address the optimisation and acceleration of biomarkers validation, for instance by considering multi-omics (e.g., for a specific mental disease), imaging and other digital markers. This should also include the necessary regulatory pathway, as well as linking with effective implementation and integration of predictive biomarkers in healthcare systems.

Of note: The idea being similar to the following other idea(s): TI_001219, TI_001221, TI_001222, TI_001223, TI_001224, TI_001225, TI_001230, TI_001231, TI_001232, TI_001233. These are to be considered together.

Outcome of the IHI JU Science and Innovation Panel on ideas submitted for potential IHI topics

Reference number of the idea: N° TI_001230

Innovative enrichment strategies for mental disorders using objective, quantifiable, predictive biomarkers for therapeutic interventions

Overall opinion

The SIP is of the opinion to keep the idea for consideration with a few scoping considerations.

The idea is interesting because it addresses a high unmet need but is lacking specific objectives in relation with which gaps are addressed. Mental health diseases are complex and concern a potentially very large population, which questions the feasibility around the follow up of very big cohorts of patients.

Enrichment strategies should address the optimisation and acceleration of biomarkers validation, for instance by considering multi-omics (e.g., for a specific mental disease), imaging and other digital markers. This should also include the necessary regulatory pathway, as well as linking with effective implementation and integration of predictive biomarkers in healthcare systems.

Of note: The idea being similar to the following other idea(s): TI_001219, TI_001221, TI_001222, TI_001223, TI_001224, TI_001225, TI_001226, TI_001231, TI_001232, TI_001233. These are to be considered together.

Outcome of the IHI JU Science and Innovation Panel on ideas submitted for potential IHI topics

Reference number of the idea: N° TI_001231

Innovative enrichment strategies for mental disorders using objective, quantifiable predictive biomarkers for therapeutic interventions

Overall opinion

The SIP is of the opinion to keep the idea for consideration with a few scoping considerations.

The idea is interesting because it addresses a high unmet need but is lacking specific objectives in relation with which gaps are addressed. Mental health diseases are complex and concern a potentially very large population, which questions the feasibility around the follow up of very big cohorts of patients.

Enrichment strategies should address the optimisation and acceleration of biomarkers validation, for instance by considering multi-omics (e.g., for a specific mental disease), imaging and other digital markers. This should also include the necessary regulatory pathway, as well as linking with effective implementation and integration of predictive biomarkers in healthcare systems.

Of note: The idea being similar to the following other idea(s): TI_001219, TI_001221, TI_001222, TI_001223, TI_001224, TI_001225, TI_001226, TI_001230, TI_001232, TI_001233. These are to be considered together.

Outcome of the IHI JU Science and Innovation Panel on ideas submitted for potential IHI topics

Reference number of the idea: N° TI_001232

Innovative enrichment strategies for mental disorders using objective, quantifiable predictive biomarkers for therapeutic interventions

Overall opinion

The SIP is of the opinion to keep the idea for consideration with a few scoping considerations.

The idea is interesting because it addresses a high unmet need but is lacking specific objectives in relation with which gaps are addressed. Mental health diseases are complex and concern a potentially very large population, which questions the feasibility around the follow up of very big cohorts of patients.

Enrichment strategies should address the optimisation and acceleration of biomarkers validation, for instance by considering multi-omics (e.g., for a specific mental disease), imaging and other digital markers. This should also include the necessary regulatory pathway, as well as linking with effective implementation and integration of predictive biomarkers in healthcare systems.

Of note: The idea being similar to the following other idea(s): TI_001219, TI_001221, TI_001222, TI_001223, TI_001224, TI_001225, TI_001226, TI_001230, TI_001231, TI_001233. These are to be considered together.

Outcome of the IHI JU Science and Innovation Panel on ideas submitted for potential IHI topics

Reference number of the idea: N° TI_001233

Innovative enrichment strategies for mental disorders using objective, quantifiable predictive biomarkers for therapeutic interventions

Overall opinion

The SIP is of the opinion to keep the idea for consideration with a few scoping considerations.

The idea is interesting because it addresses a high unmet need but is lacking specific objectives in relation with which gaps are addressed. Mental health diseases are complex and concern a potentially very large population, which questions the feasibility around the follow up of very big cohorts of patients.

Enrichment strategies should address the optimisation and acceleration of biomarkers validation, for instance by considering multi-omics (e.g., for a specific mental disease), imaging and other digital markers. This should also include the necessary regulatory pathway, as well as linking with effective implementation and integration of predictive biomarkers in healthcare systems.

Of note: The idea being similar to the following other idea(s): TI_001219, TI_001221, TI_001222, TI_001223, TI_001224, TI_001225, TI_001226, TI_001230, TI_001231, TI_001232. These are to be considered together.