

CanPathPro

is developing and validating a bioinformatics concept and the associated computational tools required for the translation of highly complex and heterogeneous omics data into predictive modelling of cancer signalling.

“One of the greatest challenges in cancer research is to utilize the vast and dynamic influx of ‘omics’ data”

Contact us:

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Generation of the CanPath prototype - a platform for predictive cancer pathway modelling



www.canpathpro.eu

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The CanPathPro Platform: A tripartite tool for the generation and integration of quantitative mouse omics data, and predictive *in silico* modelling of cancer signalling pathways and networks in mouse models



>>>Impact

new discoveries for cancer research, personalised medicine, drug discovery and development and beyond

>>>Users

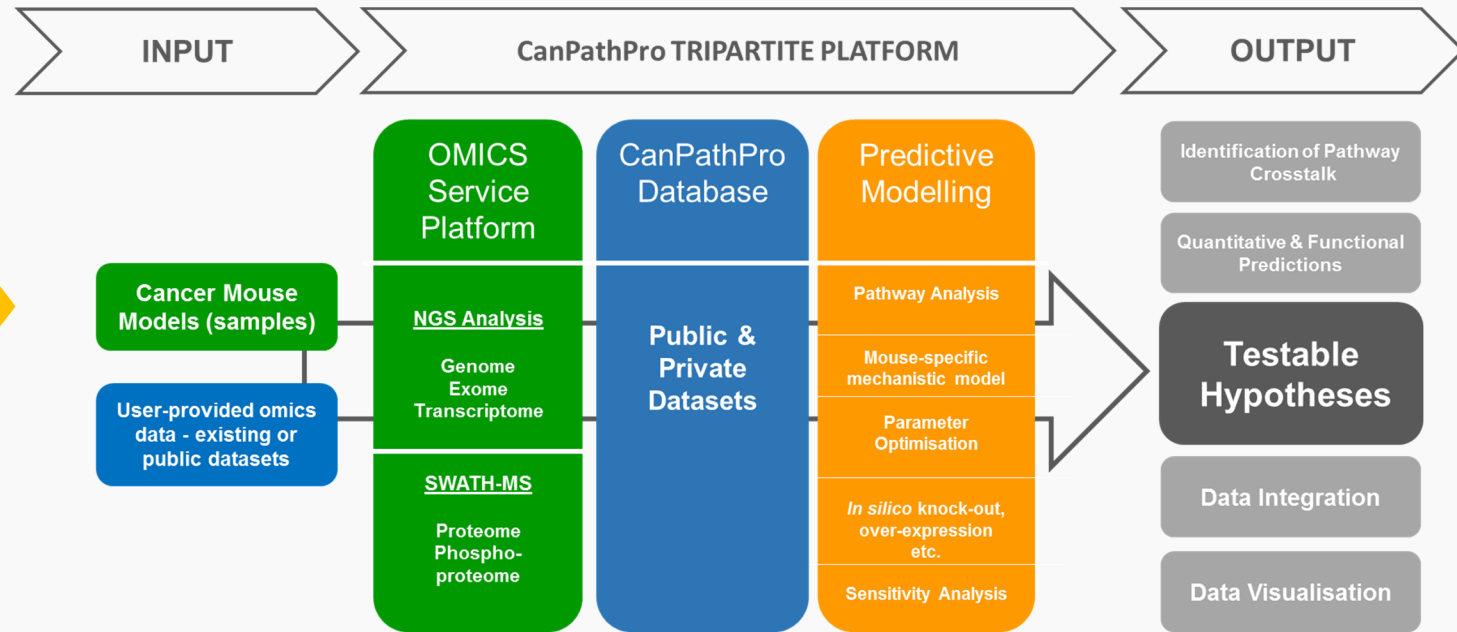
from cancer and life sciences researchers to the biotech and pharmaceutical industry

>>>Benefits

prioritise experiments, reduce animal experiments, enhance use of resources (time and financial), accelerate product development

>>>Potential Applications

identification of key cancer signalling nodes and drug targets



>>> Multi-tiered analysis options

BASIC

Customer provided omics dataset (mouse or human) is integrated with signalling pathway information

EXPERT

Customer provided omics dataset (mouse or human) is integrated with signalling pathway information, visualised and subjected to predictive modelling, generating testable hypotheses

COMPLETE

Customer provided mouse cancer model concept. Mouse models are omics characterised within the platform. Data are integrated with signalling pathway information, visualised and subjected to predictive modelling, generating testable hypotheses.