

---

## **Terminology for personalized medicine**

Sarah Ali-Khan<sup>1</sup> PhD, Stephanie Kowal<sup>2</sup>, Westerly Luth<sup>2</sup>, Richard Gold<sup>1</sup> SJD, and Tania Bubela<sup>2</sup> PhD JD

1. Centre for Intellectual Property Policy (CIPP), Faculty of Law, McGill University

2. School of Public Health, University of Alberta

### **Contents**

- 1. Keywords and synonyms for personalized medicine (p.3)**
- 2. Keywords and synonyms for personal genomics (p.6)**
- 3. Keywords and synonyms for diagnostics, biomarkers and testing (p.7)**

### **Introduction**

Below we list keywords and synonyms for personalized medicine (PM) identified through systematic searches of academic, policy, popular news media and websites of regulatory agencies, funders, and national health and biomedical organizations in Australia, Canada, the European Union, the United Kingdom and the United States. The details of our search approaches are described in detail in the document: ‘Terminology for PM: a systematic collection’, available:

<http://paceomics.org/index.php/outputs/tools-and-resources/>

We also list terms for personal genomics and associated diagnostics and testing terms found in our search, though identifying these was not the primary goal of this work.

These searches were carried out from June to September 2013.

Note that we recorded the terminology listed below as it appeared in the sources – we did not add plurals and other variations of the keywords. We anticipate that researchers who may use these vocabulary lists – including PACEOMICS teams and others – will incorporate such variations during the development of customized search strings (e.g. target/targets/targeted, profiles/profile/profiling; personalized/personalization/personalizing/personalised etc.).

---

These lists are also available as excel sheets with sources/references listed for each keyword. See also PACEOMICS policy brief #10: Changing terminology for Personalized Medicine. Available:

---

**Keywords and synonyms for personalized medicine**

biologically personalized therapeutics (BPTs)  
biomarker guided treatment

clinical proteomics  
co-dependent technologies  
customized drug products  
customized treatment

drug-diagnostic pairings  
drug target pharmacogenomics

genetic medicine  
genetically-guided therapy  
genomic analysis  
genomic medicine  
genomics-enabled medicine  
genomics-guided medicine  
genotype-guided therapy

hybrid technology  
individualised medicine  
individualized dosing  
Individualized drug testing  
individualized drug therapy  
individualized genotyping  
individualized medications  
Individualized medicine  
individualized medicines  
individualized pharmacotherapy  
individualized targeted therapy  
individualized therapy  
individualized therapies  
individualized treatment  
integrated diagnostics and therapeutics  
integrated personal omics testing (iPOP)

molecular medicine  
molecular stratification  
molecular 3harmaco agents

molecular targeted therapies  
molecular therapies  
molecular therapeutics  
molecular-targetted agents  
molecularly targeted therapies

omic strategies

P4 medicine (personalized, predictive, preventative,  
participatory)

participatory medicine

patient-specific therapy

patient-centered care

personalized diagnostic medicine

personalised medicine

personalised medicines

personalised treatment

personalize medical care

personalized genetic medicine

personalized genomic medicine

personalized medicine

personalized medicines

personalized molecular cancer therapeutics

personalized molecular medicine

personalized nanomedicine

personalized therapy

personalized therapies

4pharmaco agents

4pharmaco molecular therapeutics

4pharmaco therapeutics

4pharmaco therapy

pharmogenomics

pharmacometabolomics

pharmacoproteomic

pharmacotherapy

precision medicine

predictive health

predictive medicine

predictive, preventative, pre-emptive approach

P4 medicine (personalized, predictive, preventative,  
participatory)

proactive, pre-emptive and preventative healthcare

preventive medicine  
participatory medicine  
prospective medicine

Rx-cDx

stratified medicine  
stratified pharmacotherapy  
stratified therapy

tailored drug  
tailored medicine  
tailored therapy  
tailored therapeutics  
tailored treatments  
targeted drug  
targeted healthcare interventions  
targeted therapeutics  
targeted therapies  
targeted therapy  
targeted treatment  
theragnostics  
theranostics

**Keywords and synonyms for personal genomics**

personal genetics  
personal genetic profiling  
personal genome  
personal genome information  
personal genomics  
personalized genomics  
direct-to-consumer genetic information services  
direct-to-consumer genomics

**Keywords and synonyms for companion  
diagnostics, biomarker and testing-related  
terms**

biological markers

biomarker

biomarker approaches

biomolecular analysis

biomolecular diagnostics

cDx

clinical biomarkers

companion diagnostic test

companion diagnostics

companion test

diagnostic biomarkers

diagnostic risk assessment

diagnostic-therapeutic linkage

disease segmentation tools

drug-diagnostic co-development

drug-diagnostic combination

esoteric diagnostics

gene detection technique

gene signatures

gene expression signatures

genetic biomarker

genetic profiling

genetic signature

genetic test

genetic testing

genetically-guided therapy

genomics-based diagnostic test

genomics-based molecular diagnostics

genomics-based tests

genomic profile

genomic-profiling

marker-assisted diagnosis

metabolomics  
molecular biological  
molecular-based diagnostics  
molecular-based testing  
molecular classification  
molecular detection  
molecular diagnosis  
molecular diagnostic  
molecular diagnostic methods  
molecular genetic screening  
molecular genetic screening tools  
molecular genetic tests  
molecular biomarkers  
molecular markers  
molecular monitoring  
molecular phenotype  
molecular profiling  
molecular signatures  
molecular screening  
molecular stratification  
molecular testing  
monitoring markers  
multi-analyte tests  
multiparameter analysis  
multiparameter profiling

nanotheranostics  
oncogenomics

personal phenotyping  
personalised diagnostic test  
personalized diagnostics  
pharmacodiagnostic testing  
pharmacodiagnosics  
8pharmacogenomics markers  
pharmacogenetic algorithm  
pharmacogenetic guidance  
pharmacogenetic-based algorithms  
pharmacogenetics-based tests  
pharmacogenetic testing  
8harmacogenomics marker  
8harmacogenomics markers



---

pharmacogenomics diagnostics  
pharmacogenomics testing  
personalized risk profile  
pharmacogenetic testing  
phenotypic screening  
pre-treatment genotyping  
predictive assays  
predictive gene signatures  
predictive toxicogenomic screening  
prognostic assays  
prospective genotyping  
proteomic analysis  
protein-based markers  
protein biomarkers  
proteomic biomarker  
proteomic pattern diagnostics  
proteomic profile  
proteomic profiling  
proteomic screening

single molecule biomarkers  
theragnostic  
tissue-based biomarkers  
toxicogenomic markers  
toxgnostics  
transcript profiling  
transcriptomics  
transcriptomic screening

\*\*\*\*\*