Open PHACTS

Deliverable 6.21

Release of Version 3 of the service application to the community

Prepared by Lee Harland, Anika Robl
Approved by GSK, Janssen, PSMAR, AZ

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Version 1.0

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Definitions

Partners of the Open PHACTS Consortium are referred to herein according to the following codes:

1 - GSK – GlaxoSmithKline – **Coordinator**
2 - UNIVIE – Universität Wien – **Managing Entity of IMI JU funding**
3 - DTU – Technical University of Denmark
4 - UHAM – University of Hamburg, Center for Bioinformatics
5 - BIT – BioSolveIT GmbH
6 - PSMAR – Consorci Mar Parc de Salut de Barcelona
601 - FIMIM – Fundacio Institut Mar d'Investigacions Mediques
602 - UPF – Universitat Pompeu Fabra
7 - LUMC – Leiden University Medical Centre
8 - RSC – Royal Society of Chemistry
801 - RSCWW – RSC World Wide Ltd
9 - VUA – Stichting VU-VUMC
10 - CNIO – Centro Nacional de Investigaciones Oncológicas
11 - UNIMAN – University of Manchester
12 - UM – Universiteit Maastricht
13 - ACK – ACKnowledge
14 - USC – Universidade de Santiago de Compostela
15 - UBO – Rheinische Friedrich-Wilhelms-Universität Bonn
16 - AZ – AstraZeneca AB
17 - Pfizer – Pfizer Limited
18 - Esteve – Laboratorios del Dr. Esteve, S.A.
19 - Novartis – Novartis Pharma AG
20 - ME – Merck
21 - HLU – H. Lundbeck A/S
22 - Lilly – Eli Lilly and Company Limited
23 - NBIC – Stichting Netherlands Bioinformatics Centre
24 - SIB – Swiss Institute of Bioinformatics
25 - CD – ConnectedDiscovery
26 - EMBL-EBI – European Molecular Biology Laboratory
27 - Janssen – Janssen Pharmaceutica NV
28 - OGL – OpenLink Group Ltd
29 - OPF – The Open PHACTS Foundation
30 - ALM – Laboratorios Almirall S.A.
31 - SciBite – SciBite Limited

1 Introduction

Version 3 (internal name v1.4) of the Open PHACTS Discovery Platform was officially released to the community on 26 August 2014 by announcements on our project website, on the website of the Open PHACTS Foundation and via Twitter. Furthermore, our Associated Partners were personally invited by email to try out the new version. We have prepared a full technical and user-focused release documentation on our support portal (http://support.openphacts.org/support/solutions/articles/4000020797-1-4).

The Open PHACTS Discovery Platform is now running 24/7 and is used by Academia as well as EFPIA. The new version can be tried out at https://dev.openphacts.org.

2 New in the 1.4 API release

2.1 2 new data sets and their corresponding API calls (shown below)

1) DisGeNet target-disease associations

These API calls use URIs inputs that correspond to either diseases or targets (proteins or genes). The disease identifiers correspond to UMLS CUIs, Mesh ids or ConceptWiki and can use several namespaces, e.g. http://linkedlifedata.com/resource/umls/id/C0004238, http://purl.bioontology.org/ontology/MSH/D001281, or http://www.conceptwiki.org/concept/index/095cb66f-76ef-41b5-a8ae-c39352e6007e

2) neXtProt nanopublications for tissue expression (PREVIEW mode)

These API calls use URIs that correspond to either tissues or targets. The tissue identifiers correspond to the Caloha tissue ontology from neXtProt. These identifiers can use either the namespace from the neXtProt database (e.g. http://www.nextprot.org/db/term/TS-0564, will be operational next week) or the Caloha ontology (ftp://ftp.nextprot.org/pub/current_release/controlled_vocabularies/caloha.obo#TS-0564, operational now).

The 'Tissues for protein' and "Proteins for tissue' calls can be filtered by the neXtProt "gold" or "silver" evidence flag.
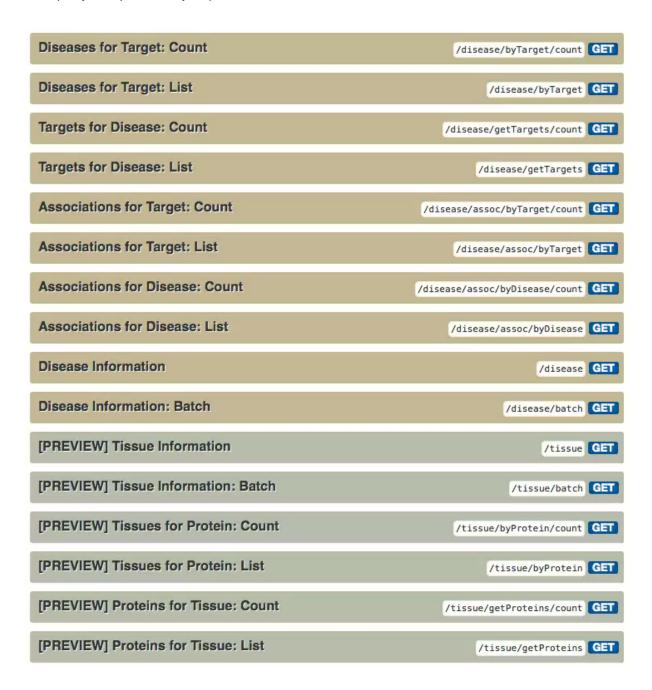
2.2 New results in Compound Information call

Compound Information: Previously the Compound Information called returned results only when a compound had data in the ConceptWiki, Chemical Registry System, and Chembl. This requirement for data to be present in all 3 resources has been relaxed to remove the requirement for ConceptWiki data which will allow data from the Chemical Registry System to be returned (e.g. SMILES) when the compound is not found in other data sources.

2.3 New batch methods for Information calls

Compound Information, Target Information, Disease Information, and [Preview] Tissue Information calls are now available with a "batch" method. Many URIs can be submitted in one query if separated by a '|'.

Further information can be found in the Milestone 6 document (Long term funding implemented with permanent beta developer team Open PHACTS Discovery Platform hosted and running secure access implemented).