

Dear colleague,

Welcome to the 4th Open PHACTS Newsletter.

This newsletter contains information about the project's successor organisation the Open PHACTS Foundation, the Open PHACTS API and other recent project information.

The Open PHACTS Foundation has joined the project

We are pleased to announce that the project successor organisation, the [Open PHACTS Foundation](#) has joined the Open PHACTS project as a partner.

The newly established Open PHACTS Foundation will start to build a membership to continue the work of the project, ensuring the infrastructure is sustained and extended, and the needs of the scientific community served. If you or your organisation is interested in becoming a Foundation member, please [contact us](#) to discuss how to get involved.

Open PHACTS API usage

The [Open PHACTS API](#) has received over **9 million hits** and **280 individuals** have registered for [Open PHACTS API](#) keys since the launch in January 2013.

If you haven't already, signup for your free API key [here](#).

Students create novel applications to use the Open PHACTS API

Undergraduate students from Maastricht University in the Netherlands took part in a Programming in the Life Sciences practical session. The students created novel applications in six days to consume data via the [Open PHACTS API](#). See details of the applications [here](#).

Supporting Other Initiatives

In addition to the main API and user-applications, the Open PHACTS project has contributed directly to a broad range of other initiatives which we believe are important to the area. For some examples of projects that Open PHACTS has funded or supported see [here](#).

GARField and Target Dossier launched

We proudly announce that [GARField](#) and [Target Dossier](#), two of the Example Applications developed within the project, are launched!

Collector released

[Collector](#) is an application that uses data from the Open PHACTS Discovery Platform and the eTOX project to build QSAR predictive models, and has been developed by PSMAR.

Open PHACTS user support portal

We are happy to announce that the Open PHACTS support portal is active at support.openphacts.org, including a knowledgebase, forum and ticket system. More information can be found [here](#).

5th Community Workshop: Shaping the future of Open PHACTS

The fifth Open PHACTS Community Workshop was held at DoubleTree by Hilton Hotel Amsterdam Centraal Station in Amsterdam on October 10 and 11, 2013. The Workshop focussed on “Shaping the Future of Open PHACTS” and featured discussions of the Open PHACTS successor organisation, the Open PHACTS Foundation and recent progress in the project.

More information and presentations can be found [here](#).

New Version of Pipeline Pilot Open PHACTS Component Collection

A new version (1.5) of the Pipeline Pilot Open PHACTS Component Collection is available. Check it out [here](#).

Two Open PHACTS publications win the best paper award at SWAT4LS 2013

“[Computing Identity Co-Reference Across Drug Discovery Datasets](#)” and “[Nanopublications for exposing experimental data in the life-sciences: a Huntington's Disease case study](#)” won the best paper award at the [SWAT4LS-2013 workshop](#) in Edinburgh on December 9-12.

Recent Publications

Over 80% of Open PHACTS' publications are open access and freely available to all. For more information see [here](#).

The project's most recent publications can be found below:

- “[Generic Information Can Retrieve Known Biological Associations: Implications for Biomedical Knowledge Discovery](#)” published in PLOS One (open access)
- “[Provenance: An Introduction to PROV](#)” by Paul Groth
- “[Improving data and knowledge management to better integrate health care and research](#)” published in Journal of Internal Medicine (open access)
- “[Scientific competency questions as the basis for semantically enriched open pharmacological space development](#)” published in Drug Discovery Today (open access)
- “[On the Formulation of Performant SPARQL Queries](#)” by Antonis Loizou and Paul Groth (open access).

Recent Event Participation

- December 18, ELIXIR Founding Ceremony and Launch Event, Barden Mons mentioned Open PHACTS in his talk.
- December 14-16, 6th International Conference of the ERCIM Working Group on Computational and Methodological Statistics in London.
- December 9-12, International SWAT4LS Workshop in Edinburgh, Scotland, Núria Queralt (UPF) presented DisGeNET RDF and its implementation in Open PHACTS. Alasdair Gray (Heriot-Watt University) gave a tutorial.

- December 4-5, Pharma Indochina VIII – Gerhard Ecker represented Open PHACTS.
- November 27, [Autumn School of Chemoinformatics](#) in Nara (Japan), Marcus Gastreich (BioSolveIT) presented ChemBioNavigator.
- November 21-22, HandsOn: Biobanks 2013 in The Hague (NL), Jan Velterop (AQknowledge) represented Open PHACTS: [The biggest problem of science ambiguity](#).
- November 15, Tools and Strategies to [Find Chemical Probes for Your Protein - The Role of Computer-Aided Drug Discovery](#) Conference in London, Jack Gibb (Royal Society of Chemistry) presented Open PHACTS.
- October 30-31, [Workshop: Managing Knowledge about Tissues](#) in Brussels. Jointly organised by the IMI projects Open PHACTS, DDMoRe and eTox, and hosted by IMI.
- October 30, Daniela Digles (University of Vienna) held a presentation entitled [Knowledge management for transmembrane transporters](#) at the workshop Managing Knowledge about Tissues in Brussels, Christine Chichester (Swiss Institute of Bioinformatics) gave a talk at the same workshop: [How does it work? How can it work for tissue knowledge management?](#)
- October 22, Alasdair Grey (Heriot-Watt University) presented Open PHACTS at the COLD 2013 in Sydney: [Including Co-referent URIs in a SPARQL Query](#)
- October 21-25, ISWC 2013 - 12th International Semantic Web Conference in Sydney, Australia. Paul Groth (VU Amsterdam) and Carole Goble (University of Manchester) represented Open PHACTS: "NoSQL Databases for RDF: An Empirical Evaluation". [ISWC Semantic Web In-Use track](#): "Incorporating Private and Commercial Data into an Open Linked Data Platform for Drug Discovery"
- October 16-18, Antony Williams (Royal Society of Chemistry) and Christine Chichester (Swiss Institute of Bioinformatics) held presentations entitled [Facilitating Scientific Discovery through Crowdsourcing and Distributed Participation](#) and [Mobile semantic technologies using Open PHACTS](#) at the NETTAB 2013 which took place from in Venice Lido, Italy
- September 30, Egon Willighagen (Maastricht University) presented Open PHACTS at the OpenTox Euro 2013 in Mainz, Germany: [The Open Pharmacological Concepts Triple Store](#)
- September 19, Gerhard Ecker (University of Vienna) held a presentation entitled [A novel platform for integrated data-driven drug discovery](#) as part of the Vienna Summer School Drug Design 2013.
- September 18, Lee Harland (Connected Discovery) presented Open PHACTS at the EBI Industry Programme: [Real-World Open PHACTS Use Cases](#)
- September 11, Marcus Gastreich (BioSolveIT) presented the ChemBioNavigator at [MedChem Russia](#) in Moscow.
- September 9, Antony Williams (Royal Society of Chemistry) presented the Open PHACTS project at the ACS National Meeting & Exposition in Indianapolis: [Practical semantics in the pharmaceutical industry – the Open PHACTS project](#).
- September 3-5, [diXa Training](#) - Anna Gaulton (EBI) presented Open PHACTS at Chemical and Biological resources for Toxicology and Toxicogenomics in Cambridgeshire, UK

Recent Associate Partners

We are pleased to welcome e-Therapeutics, The Translational Genomics Research Institute, SynerScope, Heriot-Watt University as [Open PHACTS Associated Partners](#)



This research has received support from the Innovative Medicines Initiative Joint Undertaking under grant agreement n° 115191, resources of which are composed of financial contribution from the European Union's Seventh Framework Programme (FP7/2007-2013) and EFPIA companies' in kind contribution. www.imi.europa.eu