UniChem: EMBL-EBI’s mapping tool for small molecule database identifiers: webinar

Jon Chambers [1], Anne Hersey [2]

- Chemical biology
- Beginner
- 0.5 hour

Jon Chambers and Anne Hersey present this webinar on UniChem [3] a simple system developed to cross-reference compounds across databases both internal to EMBL-EBI and externally. UniChem currently has cross-references to 140 million compounds in 30 different databases.

This webinar will discuss what UniChem is and how it can be used to retrieve the following compound information:

- Bioactivity data
- Toxicity data
- Compound purchasability
- Patent information

This webinar took place on 29th March 2017 and is an update to a previous version recorded in 2015. It is best viewed in full screen mode using Google Chrome.

See the EMBL-EBI training pages for a list of upcoming webinars [4].

Learning objectives:

- Discuss what UniChem is and what it can be used for
- Retrieve compound information from UniChem

Your feedback

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Contributors
**Jon Chambers** [1]

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Jon is a Data Integration and Development Officer for the ChEMBL team at EMBL-EBI.

He obtained a degree in biochemistry and then a PhD in molecular pharmacology. He then worked for many years in the pharmaceutical industry, working on cloned GPCRs and then various screening and data integration projects. He joined the ChEMBL Group at EMBL-EBI in 2010.

**Anne Hersey** [2]

EMBL-EBI  
Group Coordinator - Leach team: ChEMBL

Anne has been Acting Group Leader of the ChEMBL chemogenomics data resource, which brings together chemical and bioactivity data that can be used by scientists working in drug discovery. Before joining EMBL-EBI, Anne worked for many years in the pharmaceutical industry. She initially worked on physicochemical property measurement, then led a team developing models for the prediction of ADMET properties for use by drug discovery teams. Anne obtained a degree in chemistry and PhD from the University of Kent.

**Source URL:** https://www.ebi.ac.uk/training/online/course/unichem-embl-ebi%e2%80%99s-mapping-tool-small-molecule-dat

**Links**
[1] https://www.ebi.ac.uk/training/online/trainers/chambers  
[2] https://www.ebi.ac.uk/training/online/trainers/ahersey  
[3] https://www.ebi.ac.uk/unichem/  