CellBase Home

Cellbase is a centralised database that integrates lots of information from several main genomic and biological databases used for genomic annotation and clinical variant prioritisation. See **Overview** for details.

CellBase is open-source and freely available at **https://github.com/opencb/cellbase**

You can search CellBase using your favourite programming language:

	installation	API	docs	tutorials
REST API			RESTful Web Services	
Python	pypi			
R	Bioconductor			Vignette
Java	Installation	Javadoc		

Recent space activity



Julie Sullivan
Data sources and species updated Jun 02, 2020 view change
Installation updated Mar 10, 2020 view change
CellBase Versions updated Feb 20, 2020 view change
CellBase Home updated Jan 06, 2020 view change
Building the CellBase database updated Jan 06, 2020 view change



CellBase 4.5.3 released
Javier Lopez posted on Nov 22, 2017
Some important fixes made, please check

https://github.com/opencb/cellbase/releases/tag/v4.5.2

https://github.com/opencb/cellbase/releases/tag/v4.5.3

Web services updated and accessible at:

http://bioinfo.hpc.cam.ac.uk/cellbase/webservices



CellBase 4.5.1 released
Javier Lopez posted on Oct 11, 2017
Some important fixes made, please check

https://github.com/opencb/cellbase/releases/tag/v4.5.1

Web services updated and accessible at:

http://bioinfo.hpc.cam.ac.uk/cellbase/webservices



CellBase v4.5.0 Released
Javier Lopez posted on Sep 25, 2017
New data sources, new web services and many variant annotation improvements (structural variants annotation, new population frequencies datasets and much more).

Accessible now at

http://bioinfo.hpc.cam.ac.uk/cellbase/webservices/

Please, have a look to the release notes document at

https://github.com/opencb/cellbase/releases/tag/v4.5.0

 Updated variation downloads
Javier Lopez posted on Jun 12, 2017
variation_chr*.full.json.gz GRCh37 files in our http download server have been updated to include gnomAD frequencies:

http://bioinfo.hpc.cam.ac.uk/downloads/cellbase/v4/homo_sapiens_grch37/variation/json/

 CellBaseR Bioconductor
Javier Lopez posted on Jun 12, 2017
An R CellBase client (CellBaseR) is now distributed by Bioconductor

https://bioconductor.org/packages/release/bioc/html/cellbaseR.html

 gnomAD population frequencies
Javier Lopez posted on Jun 02, 2017
gnomAD exomes and genomes population frequencies (GRCh37) are now provided as part of the variant annotation results:

http://bioinfo.hpc.cam.ac.uk/cellbase/webservices/rest/v4/hsapiens/genomic/variant/19:45411941:T:C/annotation

http://gnomad.broadinstitute.org/

Space contributors

- Julie Sullivan (1396 days ago)
- Nacho Medina (1578 days ago)
- Javier Lopez (1633 days ago)
- Daniel Perez (2110 days ago)