

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](#) (1426 days ago)
- [Nacho Medina](#) (1609 days ago)
- [Javier Lopez](#) (1663 days ago)
- [Daniel Perez](#) (2141 days ago)