

## **Cellosaurus newsletter of May 2017**

A few days ago release 22 of the Cellosaurus was made available on ExPASy (<http://web.expasy.org/cellosaurus/>). It contains information on 83'000 cell lines from 564 species.

Since our last newsletter, five months ago, we have continued to extend the scope and quantity of information contained in the Cellosaurus. Notably we have pursued our efforts to obtain STR profiles from various organizations and individual scientists. There are now just over 5'000 human cell lines for which such information is available. We also have started to include the newly available STR profiles for dog cell lines. We have significantly increased the number of cell lines (about 2'400) for which we have data on the population doubling time. And we have recently started to annotate known sequence variations (somatic or genomic) that are important in the context of cancers and genetic diseases.

In terms of external links, we have added cross-references to the Colorectal Cancer Atlas, the EBI BioSamples, the FlyBase cell line entries, the LINCS Data Portal and the NCI Development Therapeutics Program repository of cell lines, thus increasing the number of cross-referenced resources to 66.

On ExPASy we have created specific reference pages for the references cited in the Cellosaurus and that do not exist in PubMed or have a DOI and are not patents. These references are tagged with a "CelloPub" ID. See for example: <http://web.expasy.org/cellosaurus/cellopub/CLPUB00305>

We are committed to continuing building the Cellosaurus so as to serve the life sciences community. We are extremely pleased to see that it is used by an increasing number of users worldwide: Each day around 1'000 different users look at over 3'500 different cell line pages. What is especially rewarding is that almost 45% of the sessions originate from "returning visitors" so thank you for your fidelity.

PS: We encourage you to visit our Twitter page (<https://twitter.com/Cellosaurus>) where we not only describe noteworthy features of the Cellosaurus but also tweet about new developments in the universe of cell lines.