

RELEASE NOTES

IGX Platform 2.1

August 25, 2020

NEW FEATURE: Data sharing

Access restrictions are important to keep control over the data flow in your organization. In the IGX Platform 2.1, we introduce the concept of Data Spaces. These spaces compartmentalize (meta)data of your organization, team or project in secure locations separate from other data. Data Spaces can be private to a user, shared between users within a specific project, or shared between all users within an organization. Naturally, users can have access to one or more Data Spaces.

In a nutshell:

- Data Spaces are created by ENPICOM and authorized users are given the necessary access permissions. Only users who have explicitly been granted permission to a Data Space are able to view the data saved within a space.
- Data Spaces can be private to a single user, shared between team members working on a specific project, or shared between all users within an organization. Data Spaces can also be shared across organizations, upon request.
- When uploading data onto the IGX Platform, authorized users can select in which Data Space the data should be stored. Other users with access will automatically see the new data after importing is complete.

NEW PUBLIC DATABASES AVAILABLE: IEDB and VDJdb

Public immune receptor repositories contain a wealth of information that can aid the development of novel therapeutics and support fundamental and translational research on immune responses. With IGX Platform 2.1, we have curated and included two additional databases for deeper exploration within the platform:

- The Immune Epitope Database ([IEDB](#)) catalogs experimental data on antibody and T cell epitopes studied in humans, non-human primates, and other animal species in the context of infectious disease, allergy, autoimmunity and transplantation.
- The VDJ database ([VDJdb](#)) is a curated database of T cell receptor (TCR) sequences, many including chain pairing information and with known antigen specificities.

With IGX Platform 2.1, researchers can use IGX-Compare to query their data against millions of receptor sequences with known specificity, allowing them to effortlessly put their clones of interest in the context of the available research in the field.

BROADER DATA SUPPORT: Process MiXCR output



We have extended the data integration capabilities of the IGX Platform. From version 2.1, we now support output generated using [MiXCR](#), in addition to clone tables from commercial platforms such as Adaptive Biotechnologies and 10x Genomics. The MiXCR pipeline is a widely used open source tool for the annotation and quantification of clones. Users of MiXCR can now continue their post processing through the IGX Platform's intuitive user interface, integrate sequencing data from different technologies in one place, and compare their results with publicly available databases using IGX-Compare.