MoDaC User Guide

The Predictive Oncology Model and Data Clearinghouse (MoDaC) is a data repository and model clearinghouse developed to transition resources to the broader research community. These resources consist of predictive oncology datasets and mathematical models (such as machine learning and deep learning models) developed within NCI and in collaborative programs. These programs include the NCI-DOE Collaboration projects and the Accelerating Therapeutics for Opportunities in Medicine (ATOM) Consortium.

MoDaC supports the community priority for making both data and predictive models FAIR (Findable, Accessible, Interoperable, and Reusable). MoDaC also fosters reproducibility and supports collaborations among groups developing computational predictive models, including collaborations with the US Department of Energy.

The following table summarizes the tasks you can perform in the MoDaC web application (GUI):

Tasks	Requires Signup or Permission?	Supported Device
- Search for publicly available assets by metadata keywords - View the metadata associated with a public collection	No	Desktop or Mobile
- Download data to Globus endpoint, AWS S3 bucket, Google Drive folder, Google Cloud bucket, or local system - View status of downloads to Globus, AWS, Google Drive folder, or Google Cloud bucket - View assets shared with you.	Yes, requires signup	Desktop only
- Upload data - Generate predictions - Evaluate models - View upload or prediction status - Share collections or predictions with groups. - View predictions shared with you - Manage edit permissions - Edit metadata - Delete your own file or empty collection	Yes, requires signup and upload permission	Desktop only

For information on the MoDaC REST API, select **About** > **API Documentation**.

For instructions on signing up, refer to Registering Your User Account. To request permission to upload data, select **About** > **Contact**. For details, refer to Contacting Us.

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This user guide won an Excellence award in the Society for Technical Communication (STC) 2021 Alliance Competition.

Alliance
EXCELLENCE
2021