

# Configuring Globus with ICBR as a UF Affiliate without HiPerGator



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### Target Audience

This document is intended for ICBR customers who **are** affiliated with the University of Florida and **do not** have a HiPerGator account.

## What is Globus?

Globus is an easy-to-use, high-performance data transfer tool developed by the Computation Institute, the University of Chicago and Argonne National Laboratory. Globus uses a grid-FTP network which uses the power of multiple servers to simultaneously transfer data.

## Target Audience & Prerequisites

These instructions are geared towards ICBR customers that are affiliated with the University of Florida and do not have an account on HiPerGator and would like us to deliver their data directly to a Globus Connect Personal EndPoint. Although the size of the data delivered varies greatly by platform and run configuration, ICBR suggests that customers have 500GB to 1TB of free space accept deliveries. ICBR will be delivering raw instrument output and secondary analysis files.

### Storage

We suggest that customers have 500GB to 1TB of free space accept deliveries. Please contact [ICBR-DataDelivery@ad.ufl.edu](mailto:ICBR-DataDelivery@ad.ufl.edu) for questions about your deliverable's size.

### Hardware and Bandwidth

Only install the Globus Connect Personal client on a computer with a wired, high speed, Internet connection.

### Before You Start

Please make sure that you read all of these instructions when configuring your endpoint. Most issues that arise can be resolved with the information contained in this document.

## Section I: Account Set Up

Once you grant ICBR the correct permissions to your Globus Endpoint we can re-use it for future data deliveries.

1. Navigate to <https://www.globus.org/> and click **Log In** on the upper right-hand side

2. Under the "Look up your organization field" select **University of Florida**. Authenticate with your GatorLink credentials when prompted.

Log in to use Globus Web App

Use your existing organizational login

e.g., university, national lab, facility, project

University of Florida

Didn't find your organization? Then use [Globus ID to sign in](#). (What's this?)

3. Once you've logged in with your GatorLink credentials, Globus will ask if you'd like to link to an existing account. If this is your first time signing up to use Globus (you don't already have an existing account), you'll click "No thanks, continue".

Link to an Existing Globus Account?

You may add your **Google** login as a linked identity. This will allow you to access your previously used account along with all of its permissions and history using either login.

Link to an existing account

No thanks, continue

[Why should I link accounts?](#)

[What is my Globus account?](#)

4. You may be prompted to provide additional information such as your organization's name and whether or not Globus will be used for commercial purposes. Please complete the form and click "Continue".

Complete Your Sign Up For [globus.demodoc@gmail.com](mailto:globus.demodoc@gmail.com)

Name Globus DemoDoc\*

Email globus.demodoc@gmail.com\*

Organization

This account will be used for

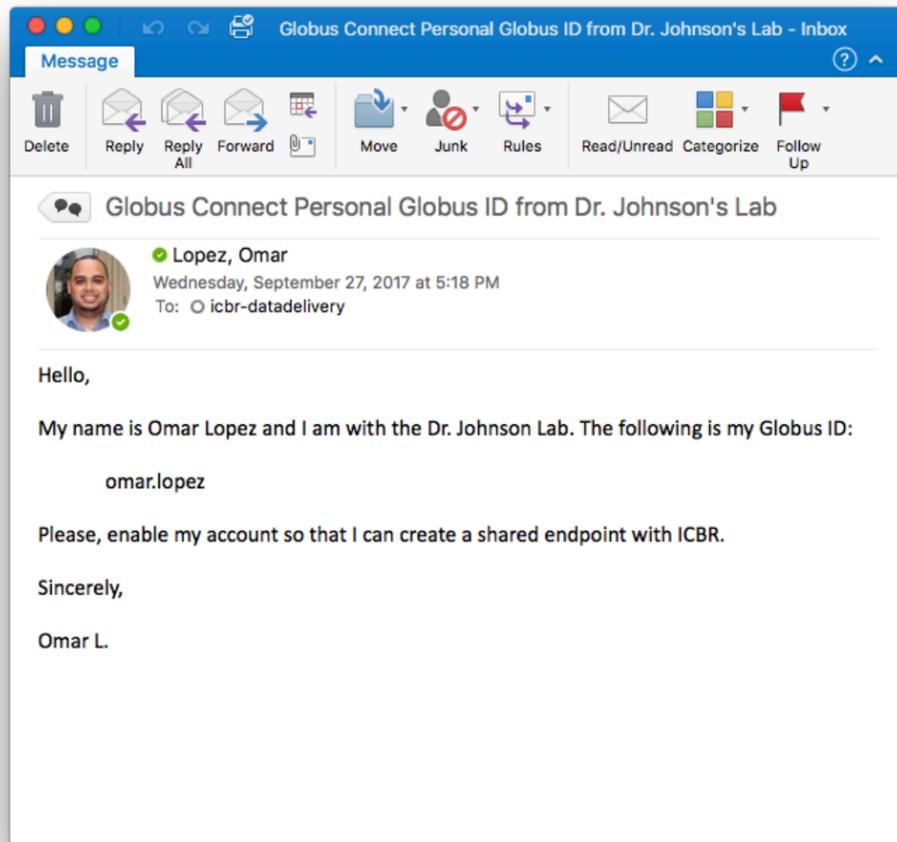
non-profit research or educational purposes

commercial purposes

I have read and agree to the [Globus Terms of Service and Privacy Policy](#).

## Section II: Account Elevation

1. After you have created your account, email your Globus ID to [ICBR-DataDelivery@ad.ufl.edu](mailto:ICBR-DataDelivery@ad.ufl.edu). ICBR will then send you an invite to join the ICBR Globus Group.

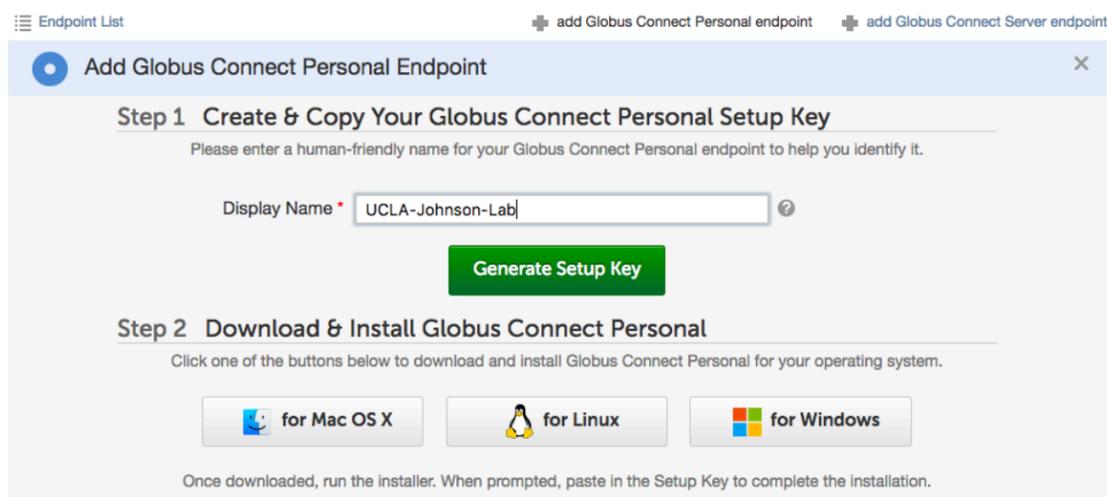


2. Once ICBR enables your account, and you accept the invite you can set up the Globus Connect Personal Client.

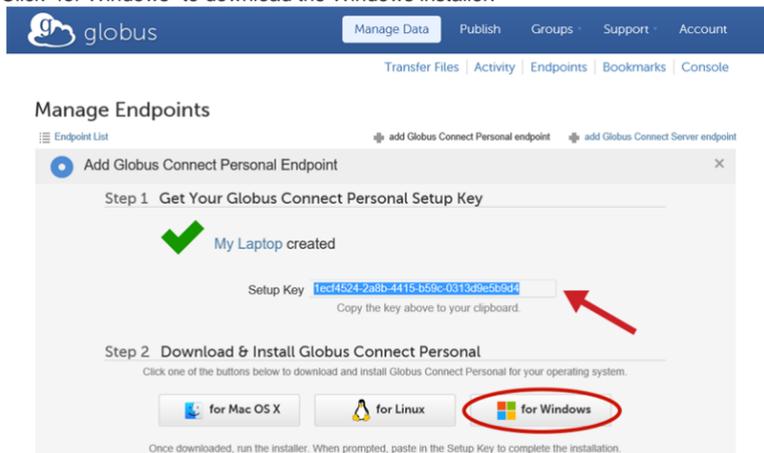
## Section III: Setting Up the Client

1. [Click here](#) to create a Globus Connect Personal endpoint and follow the instructions below.
2. Enter a name for your endpoint. This name can be anything you choose, as long as you haven't previously created another endpoint with the same name.
3. Click "Generate Setup Key".

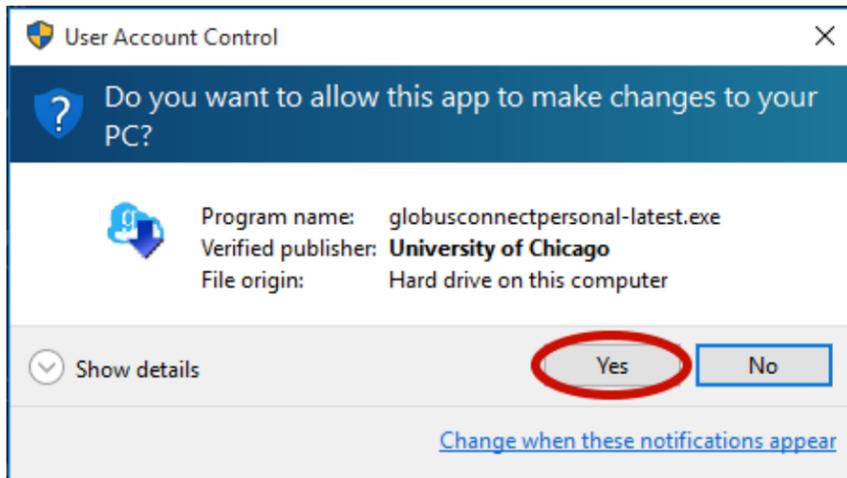
### Manage Endpoints



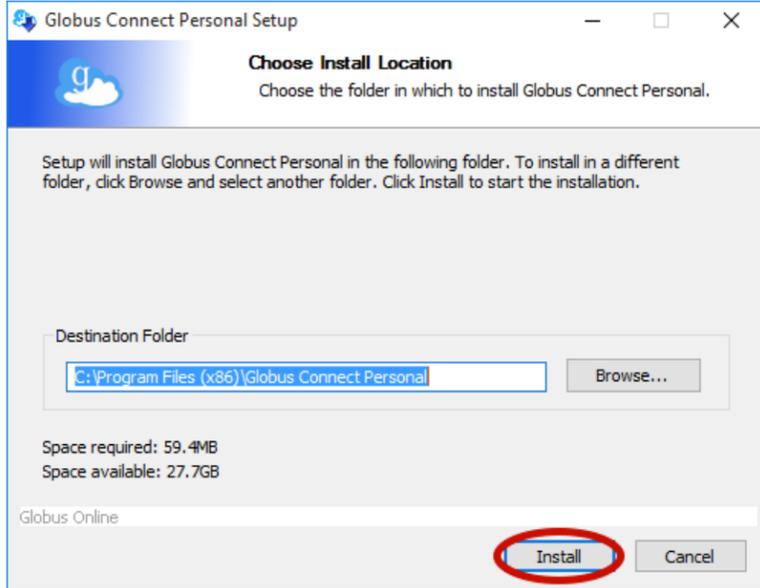
4. Select the generated key with your mouse and copy it to the clipboard.
5. Click "for Windows" to download the Windows installer.



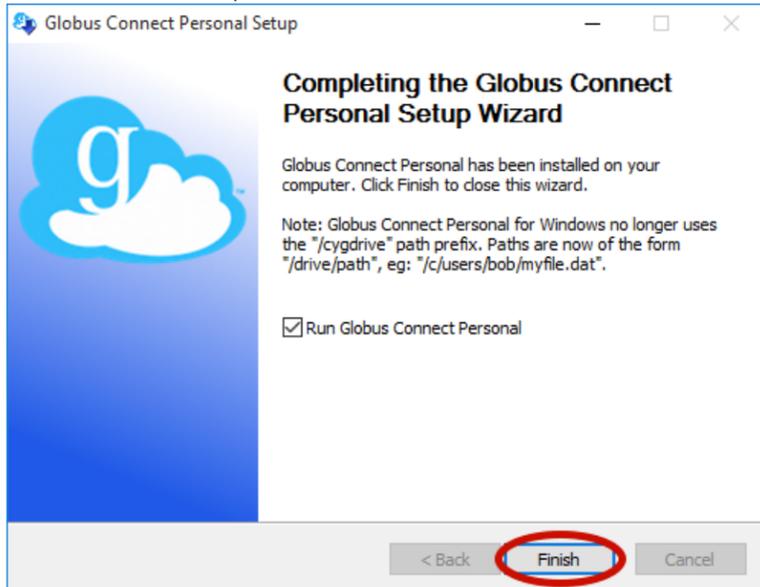
6. Double click the downloaded file and follow the instructions to install Globus Connect Personal. If you're asked whether the program can make changes to your computer, please click "Yes".



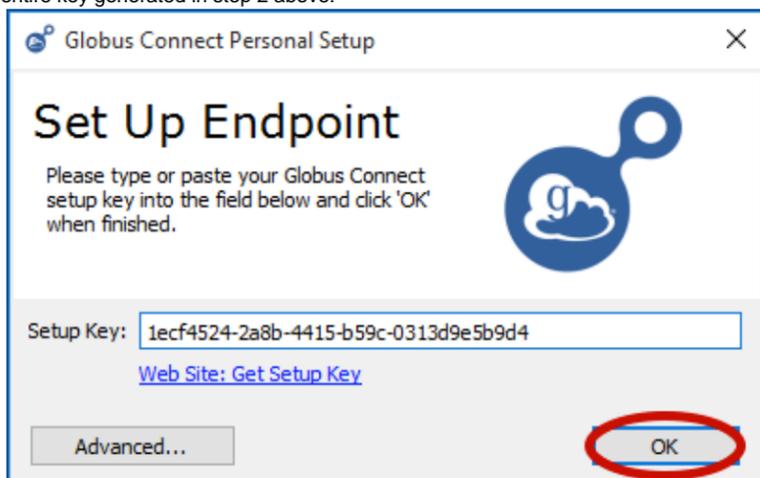
7. Confirm the directory where Globus Connect Personal will be installed and click "Install".



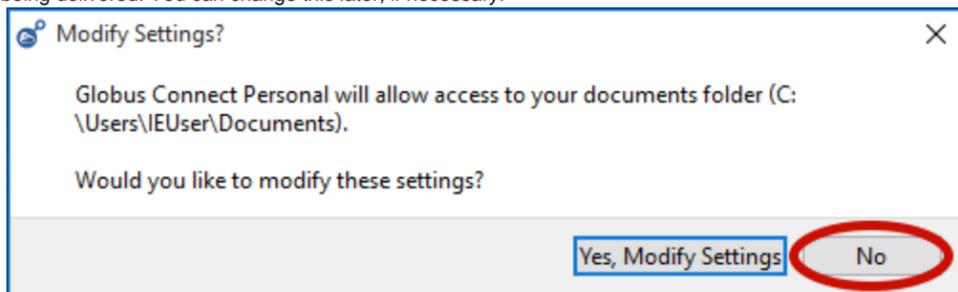
8. When the installation completes, ensure that "Run Globus Connect Personal" is checked and click "Finish".



9. Since this is the first time you are running Globus Connect Personal, you will see the Setup window below where you are required to enter a setup key. Paste in the key you generated in step 2 above. The "OK" button will be enabled if the key is valid. Click "OK" to complete the installation. (If the "OK" button is not enabled, please ensure you have properly copied the entire key generated in step 2 above.



10. You will be prompted to specify which directory may be accessed via Globus Connect Personal. Select a location that can house an instrument run and analysis for the platform data is being delivered. You can change this later, if necessary.

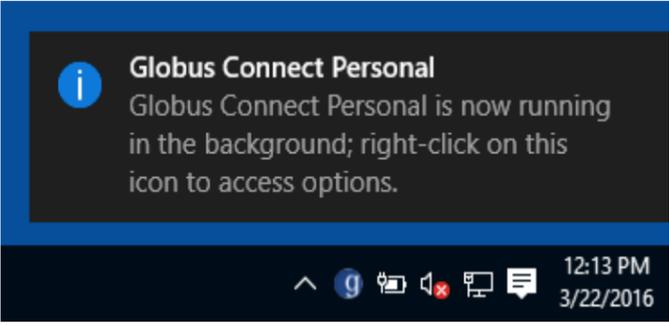
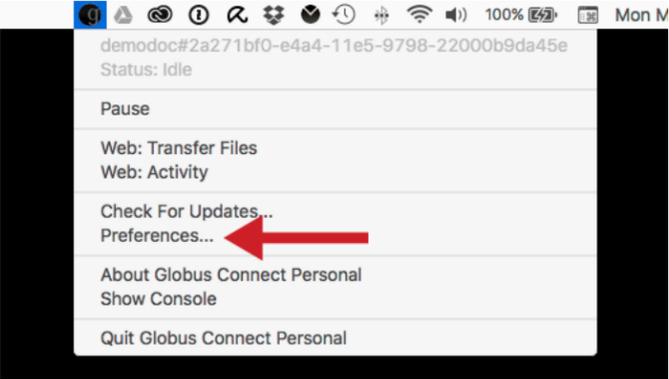
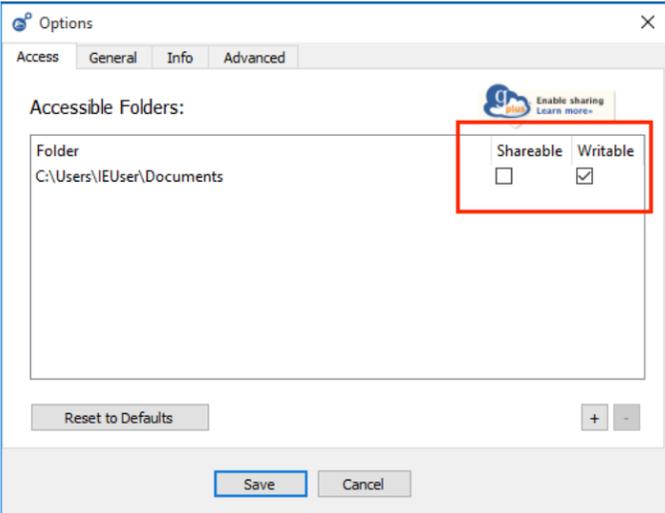
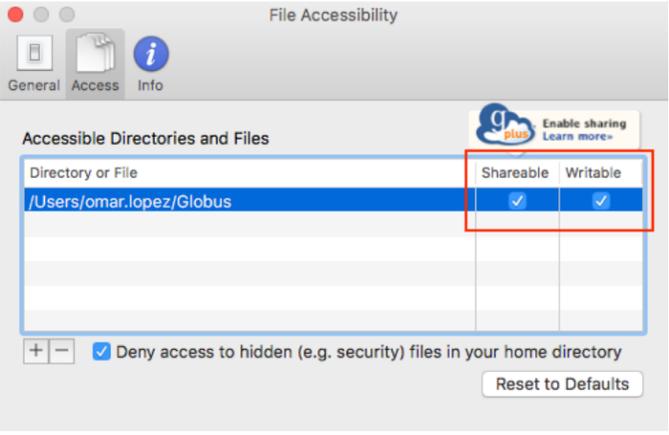


11. Globus Connect Personal will connect to Globus and await transfer commands. You will see the notification below when Globus Connect Personal starts running - you may minimize this to your task bar.

For more information on configuring this client, navigate to <https://docs.globus.org/how-to/globus-connect-personal-windows/>.

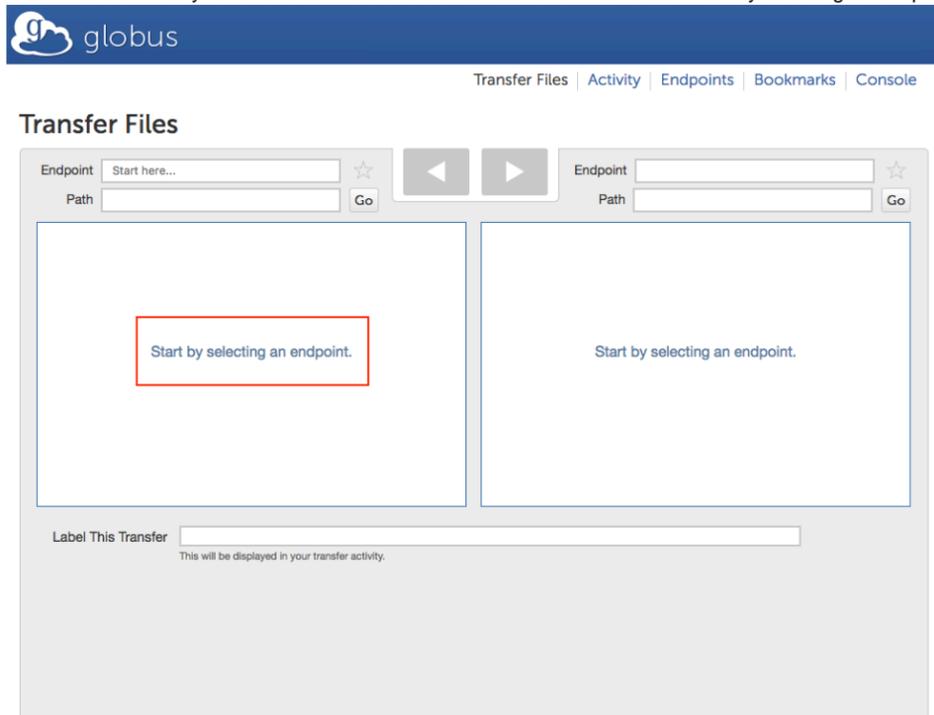
Please ensure that you configure Globus Connect Personal to be "Shareable" within the **Access** tab of the preference pane in the client.

**Ensuring the Globus Connect Personal is Shareable and Writable:**

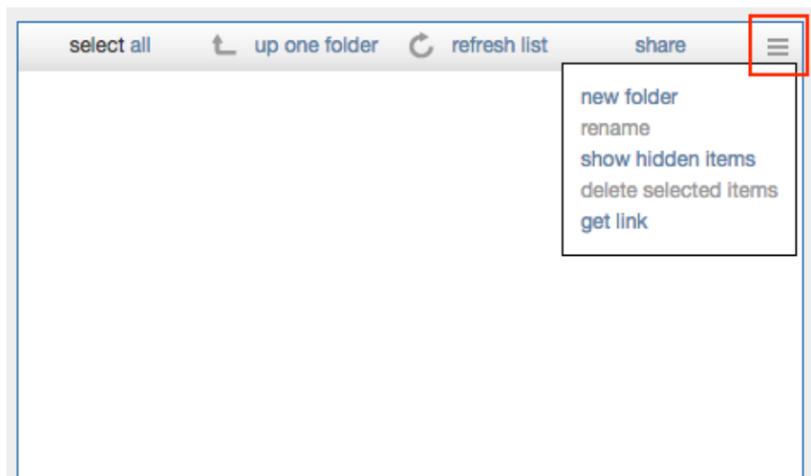
Microsoft Windows	macOS
<p>You may configure Globus Connect Personal by right-clicking on the Globus Connect Personal icon in the taskbar and selecting "Options...". Configuration options are divided into four groups; the most important (and commonly used) are the "Access" and "General" options. The "Access" tab lists folders that will be accessible via Globus for file transfer and sharing. By default, the only folder listed is your home directory.</p> 	<p>You may configure Globus Connect Personal by clicking on the Globus Connect Personal icon in the main menu bar and selecting "Preferences...".</p> 
	

**Section IV: Granting ICBR Read/Write Access**

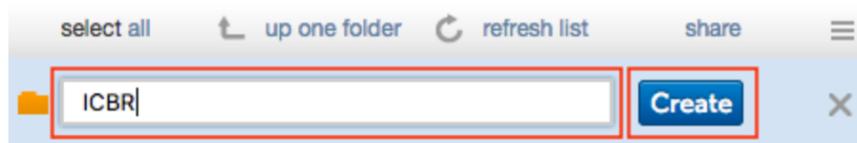
1. After you've signed up, you'll be sent to the Transfer Files page, or you can select **Transfer Files** from the Manage Data submenu.
2. Under Transfer Files you will see two columns that contain a link that reads "Start by selecting an endpoint," click the one on the left.



3. A window will open with a field containing the text "Start by typing the name of an endpoint..." Search for the endpoint you created.
4. Once you have accessed your endpoint you will create a new folder that ICBR will use to upload data. You can create a folder by clicking the **three small horizontal bars** located on the upper right-hand side of the left column. Click **"New Folder"**



5. Title the folder **"ICBR"** and click **Create**.



6. Once you have created the folder click on the folder and click on **share** on the bare above.



7. After you click on share you will be redirected to a page titled **Create New Shared Endpoint**. Within that page, add a **Share Display Name**.

The Share Display Name **must** contain the name of the institution, the lab and the PI. For example, UCLA-DeepSeaLab-Johnson

8. Click on **Create**.

9. Within the Sharing tab enter the following:

- Share With: user
- Identity/Email: enter **ICBR-DataDelivery@ad.ufl.edu** click on **Add**
- Check the box next to Send Email
- Permissions: read and write

It is important to grant **READ** and **WRITE** permissions. Without write permission ICBR will not be able to push data to the *ICBR* folder.

10. Click on **Add Permission**

## Manage Endpoints

Path \* /

Share With \*  user  group  all users  public

Identity/E-mail \* ICBR-DataDelivery@ad.ufl.edu

Username ICBR-DataDelivery@ad.ufl.edu ✕

Send Email icbr-datadelivery@ad.ufl.edu

Message

Permissions  read  write

## Post-Configuration

Once you have completed these steps **Omar Lopez** and **Jeremy Jensen** should receive a notification alerting them that they have been granted access to these Globus Endpoints.

## Additional Resources

For more information on Globus and other useful documentation, please see the following:

- [Log In and Transfer Files with Globus](#)
- [Link a New Identity to an Existing Globus Account](#)
- [Share Data Using Globus](#)
- [Install and Configure Globus Connect Personal for Mac OS X](#)
- [Install and Configure Globus Connect Personal for Windows](#)
- [Install and Configure Globus Connect Personal for Linux](#)