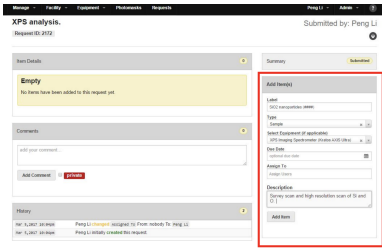
Submit a sample for analysis

The nanoFAB offers a wide variety of material characterization capabilities. For many, data is often required for only a few infrequent samples. This can often mean training is impractical for both the user and staff. In these cases the nanoFAB offers sample analysis services. Along with equipment time for analysis, a staff processing fee is charged. For continuous analysis needs the nanoFAB can arrange for a contract for services for external groups.

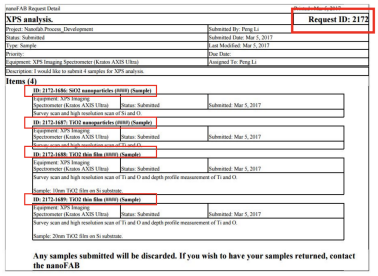
For **external groups**, who are interested in learning more about this capability, please contact Peng Li for more information.

Step-by-step guide

All sample analysis requests *must* be submitted through LMACS. Samples are dropped off and picked up outside of **ECERF W1-040**.



1. Login to LMACS
2. Create a new request.
    a. Select
        i. **Sample - XPS** type for XPS analysis
        ii. **Sample** type for other analysis
    b. Enter as much information as necessary in the **Summary** field.
    c. If you would like your samples returned to you, check **Return any samples**. If left unchecked, your samples will be discarded.
    d. Click **Create Request**
3. Once the request is successfully created, click **Edit Request** to add details about your samples.
4. Expand the **Add Item(s)** section. You will add one item per sample.
    a. Enter the sample name in the **Label** field
    b. Select **Sample** for the type
    c. Add any additional information and analysis details in the **Description** field
    d. Click **Add Item**
5. Repeat step 4 for any additional samples
6. Print your request after adding all the items and details.
    a. Click the print icon located below your name in the upper right corner of the request.
    b. Check **Item Details**
    c. Click **Print Request**
    d. A PDF file will be generated. You will submit this with your physical sample.



7. Print a copy of your request, attach it to your samples and submit them to one of the nanoFAB Characterization Labs:
    a. **CME L1-113 (Lower Level 1)**
    b. **ECERF W1-040**
8. Comments and results will be communicated through the **Comments** and **Files** sections of the request in LMACS.
    a. Results will be uploaded to **Files**
    b. Communication should be done through the **Comments**
9. If you asked for your samples to be returned, they will be available for pickup outside the Characterization labs in **CME L1-113 or ECERF W1-040.**

Data processing and software training

- Analysis softwares are available at the common computers in ECERF W1-028
- Should you require software training (CasaXPS, JADE-XRD, Oxford EDX, JEOL EDX, SIMS), please submit a training request on LMACS - select tool "**Characterization software**"

Please review the Sample Compatibility document to ensure we are able to process your sample.

Related articles

- Terms of Use Policies
- Request access for a guest
- Submit a file for photomask fabrication
- Submit a sample for analysis
- Register for nanoFAB access