BNCWiki Home

BNC Users Should Login!

- Login with your Purdue Career Account login and password (important: not your BoilerKey) to view all accessible pages, internal resources documents, and enable commenting and editing.
- Access to the internal resources on BNCWiki is based on 1) having a Purdue Career Account and 2) being subscribed to the BNC-all mailing list. More information can be found on the New User Setup section of the Wiki Guide.

COVID Protocols

- All those in the facility must conform to Protect Purdue and Birck's COVID Research Space SOP.
- All work in laboratories must conform to the particular BRK Lab COVID SOPs.
- Multi-user laboratories (excluding the main SciFres cleanroom) must be reserved to ensure COVID de-densification requirements are maintained at all times: COVID De-densification Lab Scheduling
- Please direct any questions or comments on the SOPs to the particular lab Faculty-in-Charge (FIC) or BNC Engineering Manager, Ron Reger.

The Birck Nanotechnology Center Wiki is an attempt to document and centralize some of the massive amount of expertise currently spread around the facility in individuals and research groups. BNC users are encouraged to contribute their processes, experiences, issues, and knowledge in order to facilitate the spread of knowledge and increase the speed, quality, and breadth of research that can take place.

BNCWiki contains:

- Equipment pages for both Fabrication and Characterization equipment. These contain a mix of relevant capabilities, technological overviews, SOPs, user manuals, processes, and references.
- Info Pages to store more general information, including Wiki guidelines, iLab information, comments/suggestions/problems, general process troubleshooting, databases of standard and contributed processes, MSDS sheets, and starting points for expertise at Birck.

Research groups may also host their own pages, access to which can be restricted to the group if desired. Please contact Justin Wirth for more info.

Info Pages

- Arriving at Birck
- Getting Started at Birck
- NSAC - Nanotechnology Student Advisory Council
- Recharge Rates
- Equipment Status
- Planned Facilities Shutdowns
- Wiki Guide
- Disciplinary Policy
- Lab Policies and Best Practices
- Material and Process Compatibility
- iLab
- SDS Database
- Research Group Pages
- Info Pages - Other

Info Pages - Internal Resources: (login to view)

- BNC Library
- Comments, Suggestions, and Issues
- Planned Improvements and Researcher Requests
- Process Help and Troubleshooting
- Contributed Processes
- Research Expertise at Birck
- Fab Forum
- References - Internal Resources
- Resources for BNC Staff (Restricted)

Featured Equipment Page:
JEOL JBX-8100FS E-Beam Writer

Featured Technology Page:
Photoresists

Fabrication

- Thermal
- Patternning
- Etching

Characterization

- Bio-characterization
- Electrical and Magnetic Properties
iLab Core Pages

Bio
Characterization
Etch
Evaporation Sputtering
Furnace
Growth
Lithography
Metrology
Packaging and Assembly
Roll to Roll Technology
Utility
Purdue Electron Microscopy Facility

iLab Kiosk Pages

Bio
Characterization
Etch
Evaporation Sputtering
Furnace
Growth
Lithography
Metrology
Packaging and Assembly
Roll to Roll Technology
Utility
Purdue Electron Microscopy Facility

Need Help at Birck?

If you’re have a problem and aren’t sure where to turn, or your email to BNC Staff hasn’t gotten a timely reply, please Submit a BNC Help Ticket

iLab issues?

First point of contact for any iLab problems: ilabhelp@purdue.edu