

Birck Nanotechnology Center Recharge Rates. Effective July 1, 2020.

Service	INT	ENP/ISB	EFP
Daily Entry Fee, Birck Laboratory Access	10.00	31.00	35.00
Daily Entry Surcharge, General Labs	2.00	3.00	4.00
Daily Entry Surcharge, Bio Labs - BSL1/BSL2	6.00	13.00	15.00
Daily Entry Surcharge, 3D3C Lab - BRK 2087	18.00	33.00	37.00
Daily Entry Surcharge, Cleanroom - BRK 2100A	27.00	51.00	57.00
C - Deposition, ALD	9.00	16.00	18.00
C - Deposition, CVD	44.00	85.00	96.00
C - Deposition, PVD and Electroplating, Per Use	101.00	194.00	219.00
C - Deposition, Flex Compatible PVD, Per Use	150.00	283.00	320.00
C - Etching, General	19.00	37.00	41.00
C - Etching, ICP	57.00	110.00	124.00
C - Furnace, Oxidation/Annealing	21.00	39.00	44.00
C - Lithography, Aligners	44.00	103.00	117.00
C - Lithography, E-Beam, 100 kV	89.00	153.00	173.00
C - Lithography, Spinners	20.00	40.00	46.00
C - Metrology, General	25.00	49.00	55.00
Characterization, LDV	26.00	40.00	46.00
Characterization, Probe Station	25.00	46.00	52.00
Characterization, Spin Lab	10.00	25.00	28.00
Deposition, PLD, Per Use	400.00	620.00	701.00
Lithography, E-Beam, 30 kV	36.00	68.00	76.00
Metrology, Center for AFM	44.00	68.00	76.00
Metrology, Femtosecond and Raman	30.00	46.00	52.00
Metrology, Kratos XPS	40.00	64.00	73.00
Metrology, Omicron Surface Analysis	18.00	36.00	41.00
Metrology, Optics and Spectroscopy Lab	32.00	50.00	56.00
Metrology, Panalytical XRD	29.00	46.00	52.00
Packaging and Assembly, Advanced	37.00	71.00	80.00
Packaging and Assembly, Basic	18.00	39.00	44.00
Roll to Roll, General	112.00	196.00	221.00
Roll to Roll, Maxwell	175.00	270.00	306.00
Storeroom, BRK 2251, Per Dollar	1.00	1.88	1.88
Staff Time, Engineering	66.00	124.00	140.00
Staff Time, Lab Manager, 3D3C	51.00	79.00	89.00
Staff Time, Scientific, Center For AFM	25.00	38.00	43.00
Staff Time, Scientific, Kratos XPS	94.00	145.00	164.00
Staff Time, Scientific, Omicron Surface Analysis	94.00	145.00	164.00
Staff Time, Scientific, Optics	81.00	125.00	141.00
Staff Time, Scientific, Panalytical XRD	94.00	145.00	164.00
Staff Time, Scientific, Probe Station	88.00	136.00	153.00
Staff Time, Scientific, Roll to Roll	86.00	132.00	150.00
Staff Time, Scientific, Spin Lab	96.00	149.00	168.00

- INT = Internal; ENP = External Academic & Non-Profit; ISB = Indiana Small Business; EFP = External For-Profit.
- Rates are hourly unless otherwise specified in the service name.
- “C – “ indicates services eligible for the Scifres Equipment Service Cap for internal users.
- Facilities and Administrative (F&A) costs are included in listed external prices.
- Precious metals are charged at market prices plus applicable markups and overhead charges.

Usage Caps (Internal Users Only)

Monthly Lab Access Cap

Charged days for each of the laboratory daily entry fees and surcharges is capped at 15 days per calendar month, per user, per account (WBSE/IO) for internal users.

Scifres Equipment Service Cap

For internal users, a \$12,000 hard cap is implemented for shared use equipment services on the Scifres cost center per user, per account (WBSE/IO), per fiscal year (by date of purchase). Any user is “uncapped” after being subsidized a total of 100% of the hard cap level (\$12,000) under this cap across all their associated accounts per fiscal year (by date of purchase). Capping is done monthly by covering the costs for the affected usage from the Birck General Fund. Capped services and the tools that offer them are identified in iLab with a “C – “ at the beginning of the Category name and Schedule/Add-on name.

Staff Core Services

Any training or core services on tools by BNC engineers/scientists will be added onto the iLab calendar charge as an add-on based on the amount of actual time spent on the training/core service, rounded up to a reasonable fraction of the hour.

Definition of Indiana Small Businesses

Indiana Small Business are defined as *'s organized for profit, with a place of business located in the State of Indiana, or which makes a significant contribution to the economy of the State of Indiana through use of Indiana labor; is in the legal form of an individual proprietorship, partnership, limited liability company, corporation, joint venture, association, trust or cooperative; and has, including its affiliates, not more than 50 employees.

Charging Model for Laboratory Access Fees

Charges for access to BNC laboratories are on a per calendar day basis. The Birck Laboratory Access Daily Entry Fee (Birck Lab Fee) will be charged to users who enter any laboratory or galley within the facility. In addition to the Birck Lab Fee, daily lab consumable/support surcharges will be charged for each lab type entered:

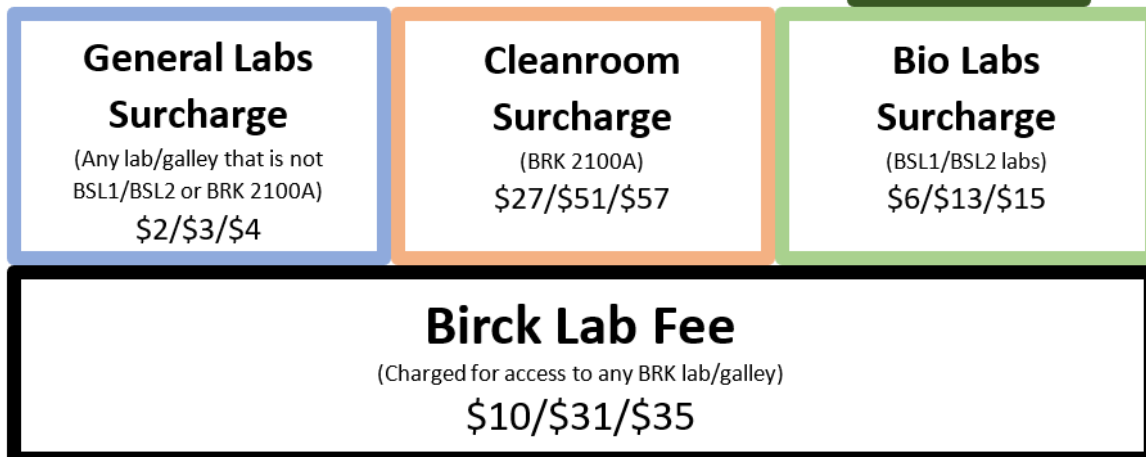
- Cleanroom Surcharge: Entry into the Scifres Nanofabrication Laboratory via BRK 2100A.
- Bio Labs Surcharge: Entry into any BSL1 or BSL2 laboratory.
- General Labs Surcharge: Entry into any laboratory or galley space not covered by the Cleanroom Surcharge or the Bio Labs Surcharge.
- 3D3C Surcharge: Entry into the 3D Cell Culture Lab, BRK 2087, in addition to the Bio Labs Surcharge.

A user entering multiple lab types on a calendar day will pay the Birck Lab Fee only once per day (per account or approved account split) regardless of the number of lab types entered. The Surcharge for each lab type will apply only once per day (per account or approved account split) regardless of the number of different labs of that same lab type entered. It would be possible for a user to incur all four surcharge types in one day based on their usage, and no labs are charged the Birck Lab Fee without also having an associated Surcharge service.

Birck Daily Lab Access Charges

Monthly Lab Access Cap (Internal Users):

Lab Fees/Surcharges will be internally subsidized after paying 15 days per month, per user, per account, per fee/surcharge



- Prices are for Internal / External Academic & Non-Profit and Indiana Small Business / External For-Profit Facilities and Administrative (F&A) costs are included in listed external prices.

Birck Laboratory Types

Entry into any of the rooms listed below will incur the Birck Laboratory Access Daily Entry Fee. Additional surcharges apply to each lab are listed in the "Lab Type" column.

BRK 1st Floor Labs/Galleys

Lab	Lab Type
1031	General Labs
1039	General Labs
1043	General Labs
1045	General Labs
1066	General Labs
1069	General Labs
1077	General Labs
1081	Bio Labs
1083	General Labs
1089	General Labs
1100A	General Labs
1153	General Labs
1154	General Labs
1157	General Labs
1217	General Labs
1227	General Labs
1233	General Labs
1235	General Labs
1237	General Labs
1239	General Labs
1254	General Labs
1261	General Labs
1263	General Labs
1265	General Labs
1267	General Labs
1269	General Labs
1273	General Labs

BRK 2nd Floor Labs/Galleys

Lab	Lab Type
2031	Bio Labs
2037	Bio Labs
2043	Bio Labs
2066	Bio Labs
2069	General Labs
2077	Bio Labs
2081	Bio Labs
2087	Bio Labs + 3D3C
2092	General Labs
2100A	Cleanroom
2100F	General Labs
2100J	General Labs
2120A	BioLabs
2217	General Labs
2221	General Labs
2233	General Labs
2239	General Labs
2254	General Labs
2261	General Labs
2277	General Labs
2283	General Labs