

**Facility:** Magnetic Resonance Center

**Location:** Merkert Center, 2609 Beacon Street, Room 105, Chestnut Hill, MA 02467

**Contact Information:**

- Director: Dr. Thusitha Jayasundera ([thusitha.jayasundera@bc.edu](mailto:thusitha.jayasundera@bc.edu)) 617-552-6984
- Assistant Director: Dr. Jing Jin ([jing.jin@bc.edu](mailto:jing.jin@bc.edu)) 617-552-4766

**Facility Overview:**

The Magnetic Resonance Center houses five NMR (VNMRS 400/500/600, MR 400 and INOVA 500) and one EPR (BRUKER EMX-Plus) spectrometers. Two workstations and printers allow the users to process data in the facility. All data is remotely accessible and stored in back-up servers.

**Changes**

The procedures that were put in place for the initial ramp-up will still be enforced, **expect** for the changes outlined below. These changes will go into effect if/when the capacity in Merkert is increased to 50% (up from the 25% capacity during the original ramp-up).

**NMR Reservations**

The updated rules for NMR access are as follows:

1. Daytime reservation rules will remain **unchanged** from those outlined in the initial ramp-up.
2. Apart from the four daytime reservation blocks, an overnight session will be added to each weekday, from **6:30 pm, to 8 am** the next morning. One user from each of the six groups with very high NMR usage (excluding the Hoveyda group) will be assigned a spectrometer on a revolving schedule (please see sample table below) for overnight use, while the Hoveyda group will use their own spectrometer as usual.
3. **Users:** since capacity is being doubled, each group may name **two** designated NMR users **per day** (one each for the morning and evening shifts). The user taking over the evening shift will have access overnight, until 8 am the next morning. Once each PI and group members decide on the users for the week, the list should be emailed to the facility Director by **9 am on Friday**, as usual. Any delay may invariably cause access not being granted on time.
4. **Friday night and weekend access:** Weekend access will continue as before, except that the designated overnight user for Friday night will continue being the designated user for his/her group throughout the rest of the weekend (since there will be no facility staff for cleaning and disinfecting the workstations).
5. **The Inova 500:** will be open for weekend access as usual, and will be assigned by the Director based on faculty requests, by 5 pm on the preceding Friday. Priority will be given to groups that are not part of the high-usage groups being granted regular overnight and weekend access.

While every effort would be made to accommodate all requests by users, the Directors' decisions on any disputes will be final.

**Week 1: Daytime Assignment**

Date	8:30 - 10:30		11:00 - 1:00		1:30 - 3:30		4:00 - 6:00	
	New 500	600	New 500	600	New 500	600	New 500	600
Monday	Minor users	Morken	Wasa	Byers	Liu	Niu	Gao	Zhang
Tuesday	Morken	Gao	Byers	Wasa	Niu	Liu	Zhang	Minor users
Wednesday	Minor users	Morken	Wasa	Byers	Liu	Niu	Gao	Zhang
Thursday	Morken	Gao	Byers	Wasa	Niu	Liu	Zhang	Minor users
Friday	Minor users	Morken	Wasa	Byers	Liu	Niu	Gao	Zhang

**6:30 pm to O/N schedule (subject to weekly rotation)**

Date	Departmental 400	New 500	600
Monday	Liu	Niu	Wasa
Tuesday	Byers	Morken	Zhang
Wednesday	Wasa	Liu	Niu
Thursday	Zhang	Byers	Morken
Friday			
Saturday	Niu	Wasa	Liu
Sunday			

**Week 2: Daytime Assignment**

Date	8:30 - 10:30		11:00 - 1:00		1:30 - 3:30		3:45 to 5:45	
	New 500	600	New 500	600	New 500	600	New 500	600
Monday	Morken	Gao	Byers	Wasa	Niu	Liu	Zhang	Minor users
Tuesday	Minor users	Morken	Wasa	Byers	Liu	Niu	Gao	Zhang
Wednesday	Morken	Gao	Byers	Wasa	Niu	Liu	Zhang	Minor users
Thursday	Minor users	Morken	Wasa	Byers	Liu	Niu	Gao	Zhang
Friday	Morken	Gao	Byers	Wasa	Niu	Liu	Zhang	Minor users

**6:30 pm to O/N schedule (subject to weekly rotation)**

Date	Departmental 400	New 500	600
Monday	Morken	Zhang	Byers
Tuesday	Liu	Niu	Wasa
Wednesday	Byers	Morken	Zhang
Thursday	Wasa	Liu	Niu
Friday			
Saturday	Zhang	Byers	Morken
Sunday			