Appendix A
June 8, 2017

UNIVERSITY OF CALIFORNIA, RIVERSIDE

May 18 & May 19

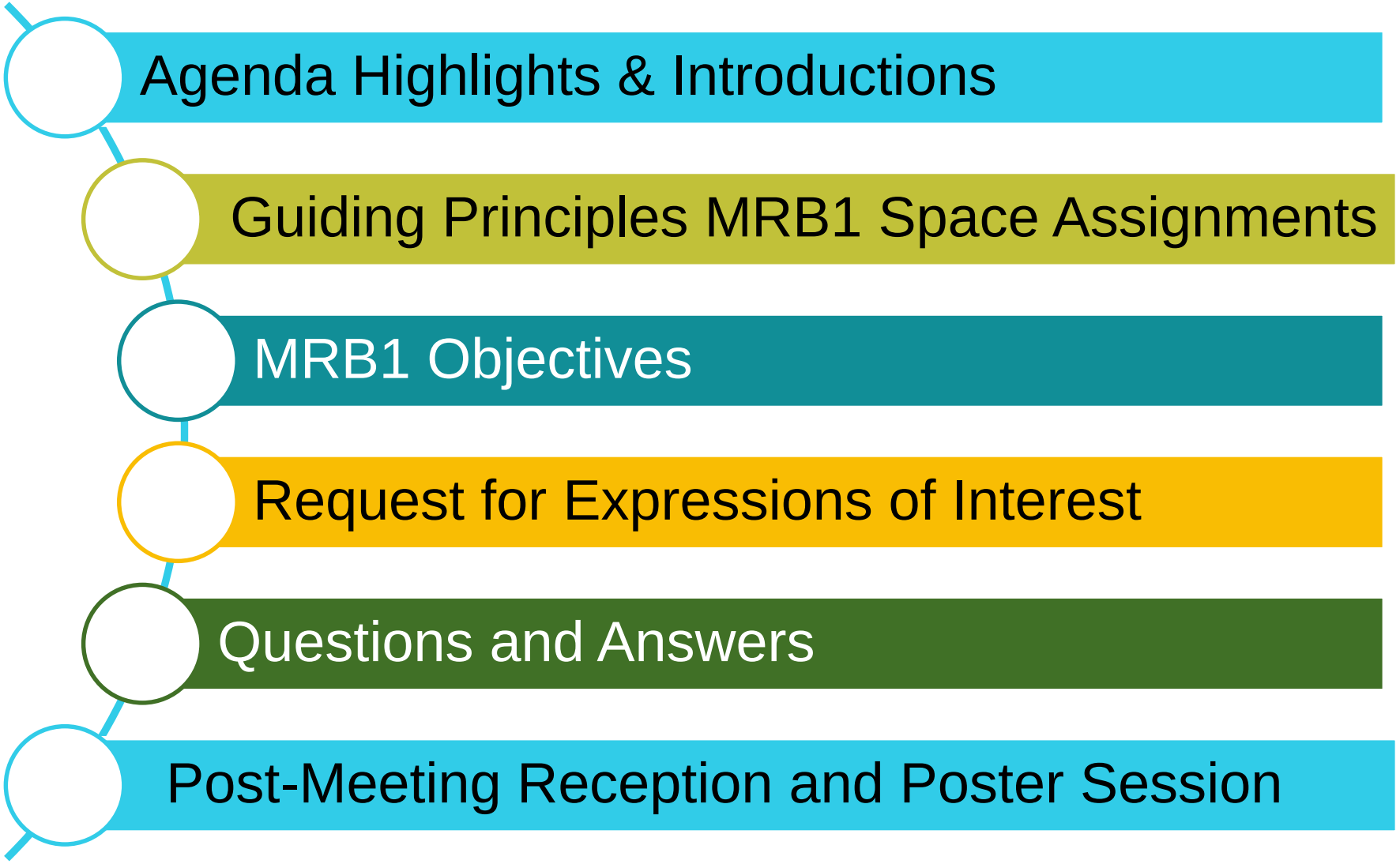
MULTIDISCIPLINARY RESEARCH BUILDING 1

UCR MRB1

TOWN HALL MEETINGS *

** revised as of June 8, 2017, to reflect updates in schedule and other details since meetings*

Agenda Highlights & Introductions



Task Force Introductions

Chair: Cynthia Larive - Provost

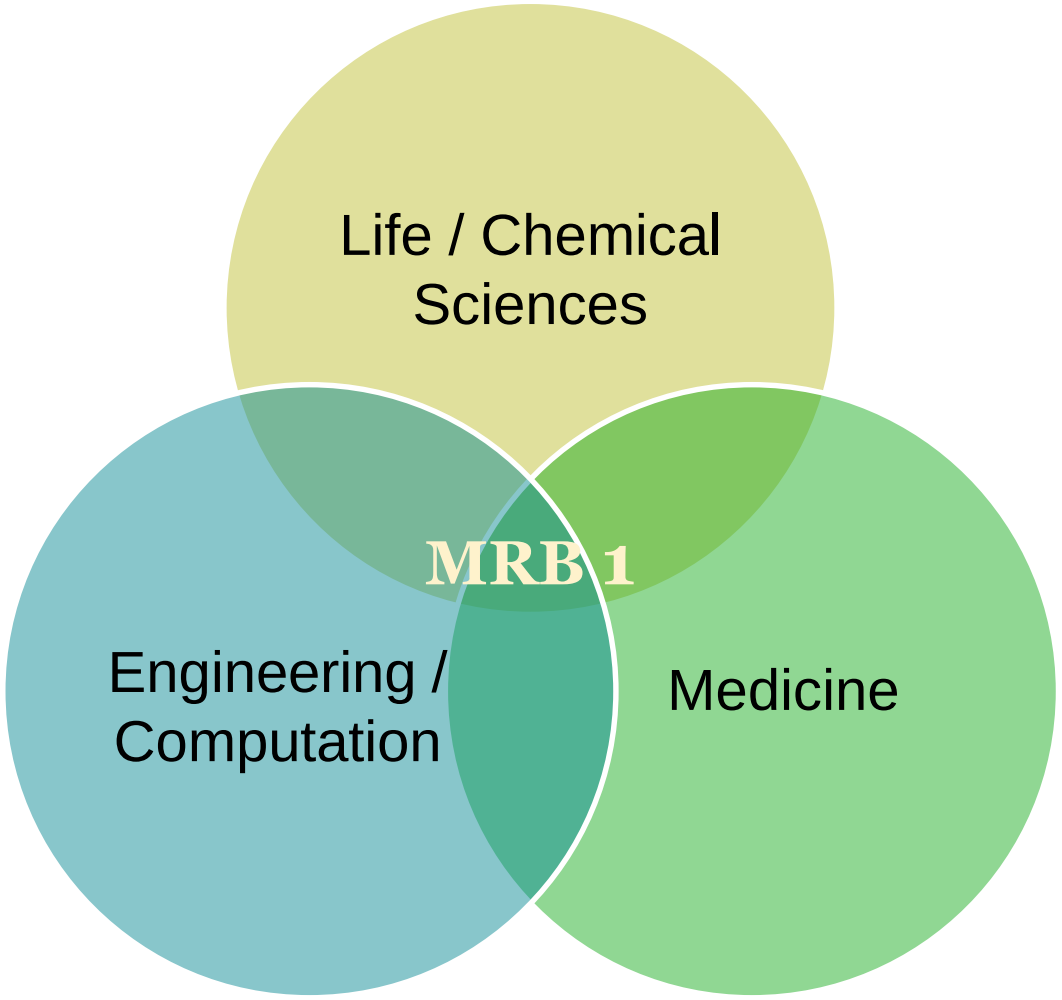
Task Force Committee Members

Deborah Deas – Dean, SOM
Milagros Peña – Dean CHASS
Kathryn Uhrich Dean, CNAS
Sharon Walker – Interim Dean, BCOE
Martin Garcia Castro – Assoc. Professor, Biomedical Sciences
Mike Pazzani – VC Research & Economic Development (RED)
Jeff Kaplan – Assoc. VC Capital Asset Strategies
Barbara Lloyd – Office of Vice Chancellor for Planning & Budget

Guiding Principles

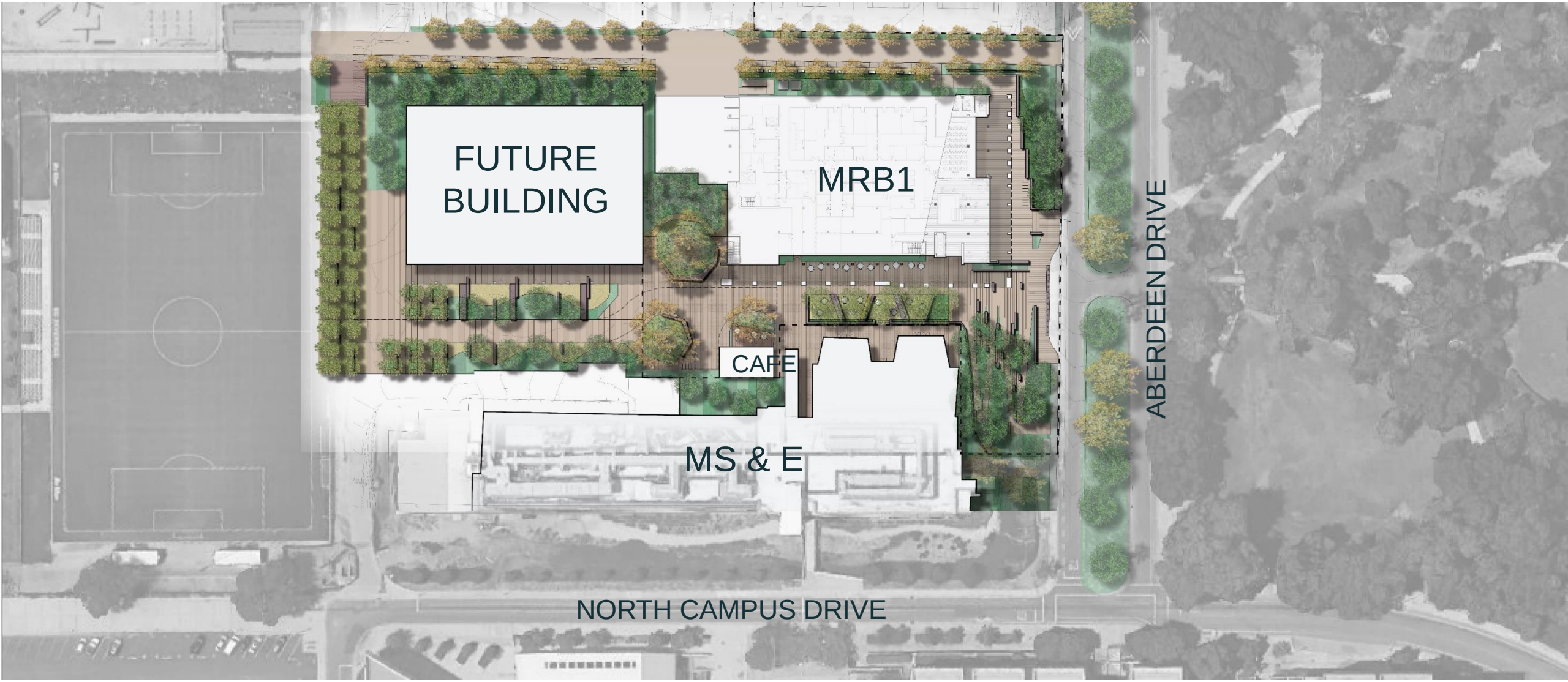
1. MRB1 will be organized by multidisciplinary and collaborative research themes.
2. MRB1 assignments will align known core facilities, and additional core facilities will align with the needs of researchers assigned to MRB1.
3. Periodic space review will be conducted to optimize utilization of space in the building.
4. MRB1 is an opportunity to address existing space capacity challenges.
5. The assignment process will be transparent and objective.

MRB1 Objectives



The mission of MRB1 will be to support multidisciplinary research that is at the intersection of life/chemical sciences, medicine, engineering and computation.

MRB1 Site Plan



PROJECT PROGRAM

Laboratories, Support, Research Offices:	71,021 ASF
Core Laboratories:	5,280 ASF
Special Purpose Labs:	10,267 ASF
Conference, Collaboration, Bldg Support:	25,341 ASF
TOTAL	**111,910 ASF**
	179,100 GSF
Additional Shell Space	15,210 ASF

MRB1 Aberdeen View

MRB1 Arroyo Plaza

MRB1 1st Level Atrium

MRB1 4th Level Atrium

MRB1 Write-up and Open Laboratory

MRB1 Laboratory Types

Wet 1 Lab
Quantity: 20

Wet 1: Low Fume Hood Density (BSL2)

FOCUS: Primary focus on benchwork, with samples prepared within various support spaces, and occasional fume hood use.

Example open lab with life sciences emphasis.

MRB1 Laboratory Types

Wet 2 Lab
Quantity: 09

Wet 2: Medium Fume Hood Density (BSL2)

FOCUS: Imaging and molecular analysis of samples prepared within tissue culture rooms and in fume hoods.

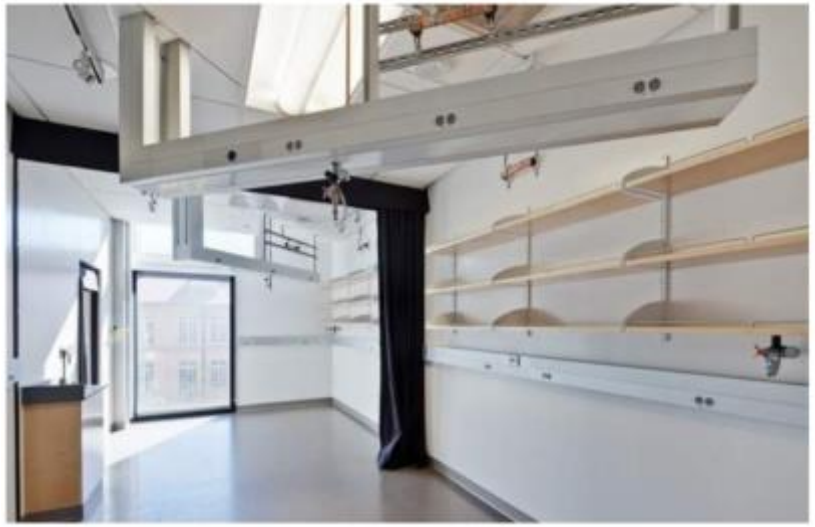
In Type Wet Lab 2, chemical fume hoods typically are located away from lab exits as a best practice.

MRB1 Laboratory Types

Flex 1 Lab
Quantity: 09

Flex 1: Instrument Intensive

FOCUS: equal focus on wet bench work and dry instrumentation and equipment of various sizes, imaging, and specialized animal procedures; Flex 1 labs are designed for periodic re-configuration of benches and equipment with a robust overhead utility system.



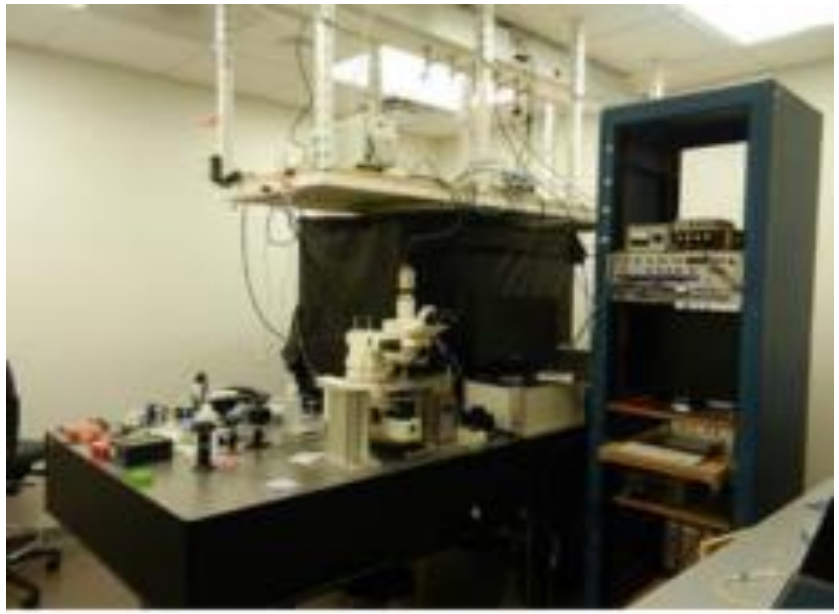
Flex 1 labs are designed for periodic re-configuration of benches and equipment with a robust overhead utility system, to accommodate rapid changes in research.

MRB1 Laboratory Types

Flex 2 Lab
Quantity: 08

Flex 2: Procedure Intensive

FOCUS: imaging, instrumentation and animal procedures within environmentally controlled rooms, supported by preparation of samples at the bench.



Vibration stabilized optics tables are a common component of instrumentation focused labs that would be found in the Flex 2 type.

MRB1 Laboratory Types

Dry Lab/Computation
Quantity: 10

Dry 1: Computation Intensive

FOCUS: computation, modeling, visualization and manipulation of large data sets.

An example of an open computation space.

MRB1 Laboratory Types

Distributed Centralized Core Laboratory

- **Around 1,500 square feet, located on the Ground Level**
- Purpose-built for specific instruments or processes that have unique environmental or spatial characteristics.
- Potential assignment: MRI Imaging

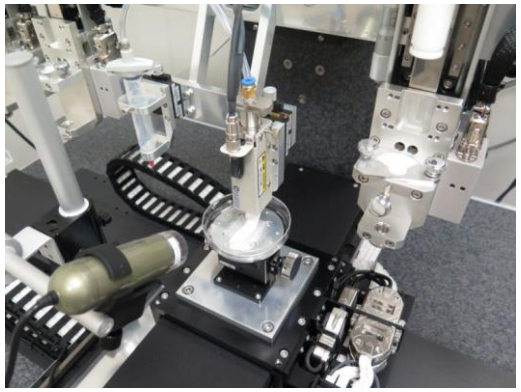
Distributed Core Laboratories

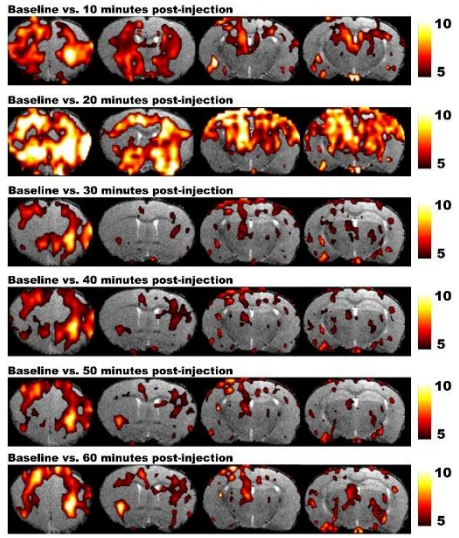
- **Each distributed core is around 660 square feet, 1 per floor**
- Five highly serviced, highly flexible “garages” that can be quickly reconfigured around specific instruments or procedures with minimal effort or expense
- Ground Level distributed core has been partially assigned
- Floors 1-4 Distributed Cores are unassigned and will be determined based on the nature of surrounding research needs

MRB1 Laboratory Types

Potential Core Labs for MRB1

- Imaging:
  - Micro CT
  - multi-photon
  - Electrophysiology
  - CT/PET/fMRI
  - TEM/SEM
  - NMR (small field)
- Optics/laser
- Genomics
- Proteomics/Mass spectrometry
- Histology
- FlowCytometry
- Bioengineering- devices
- Bioengineering- tissue
- 3D printing





SPECIAL PURPOSE - IACUC

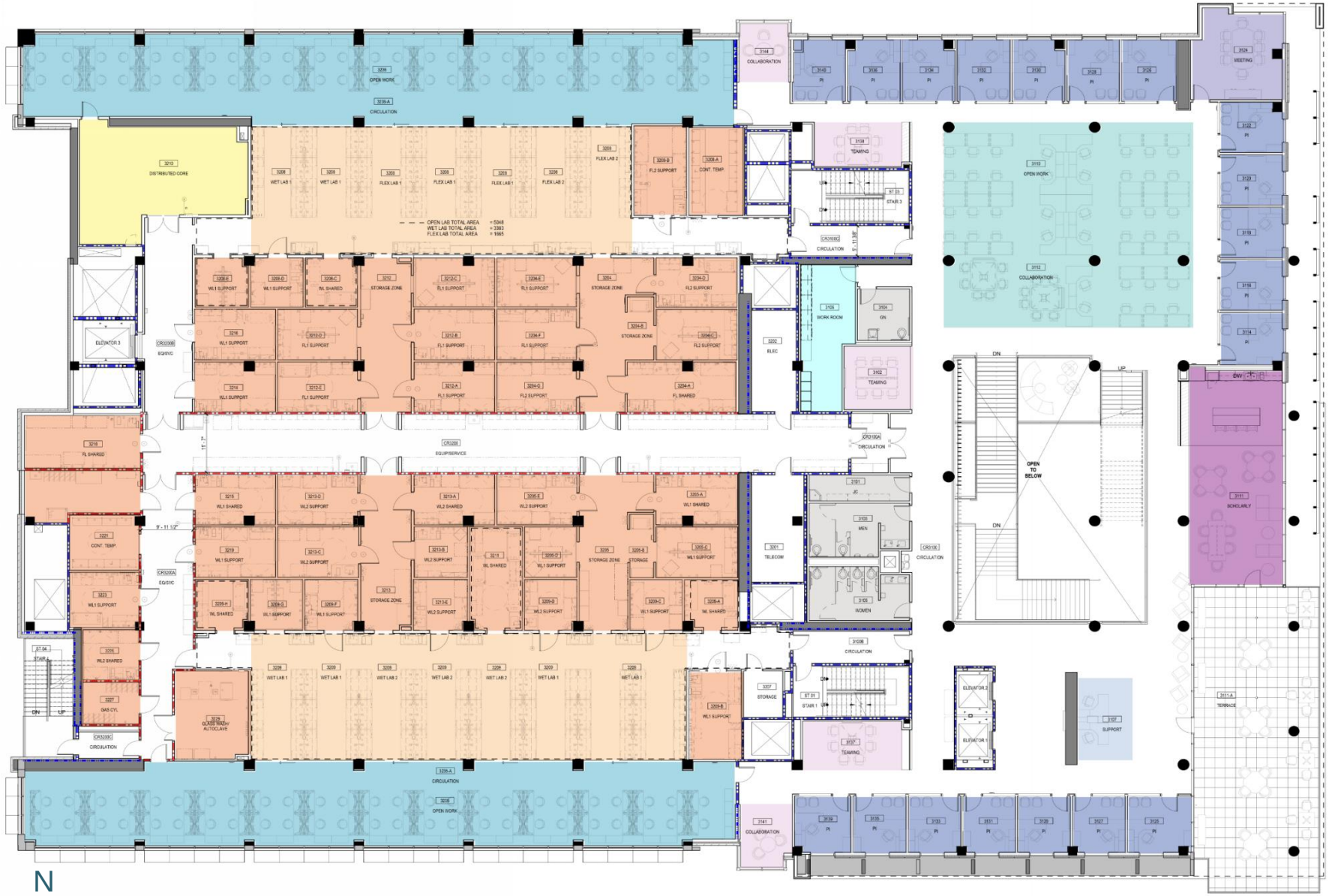
Size: Approximately 10,800 ASF

Shell Space: 5,500 SF of expansion space

Additional Information:

Contact iacuc@ucr.edu

MRB1 Example Floorplan



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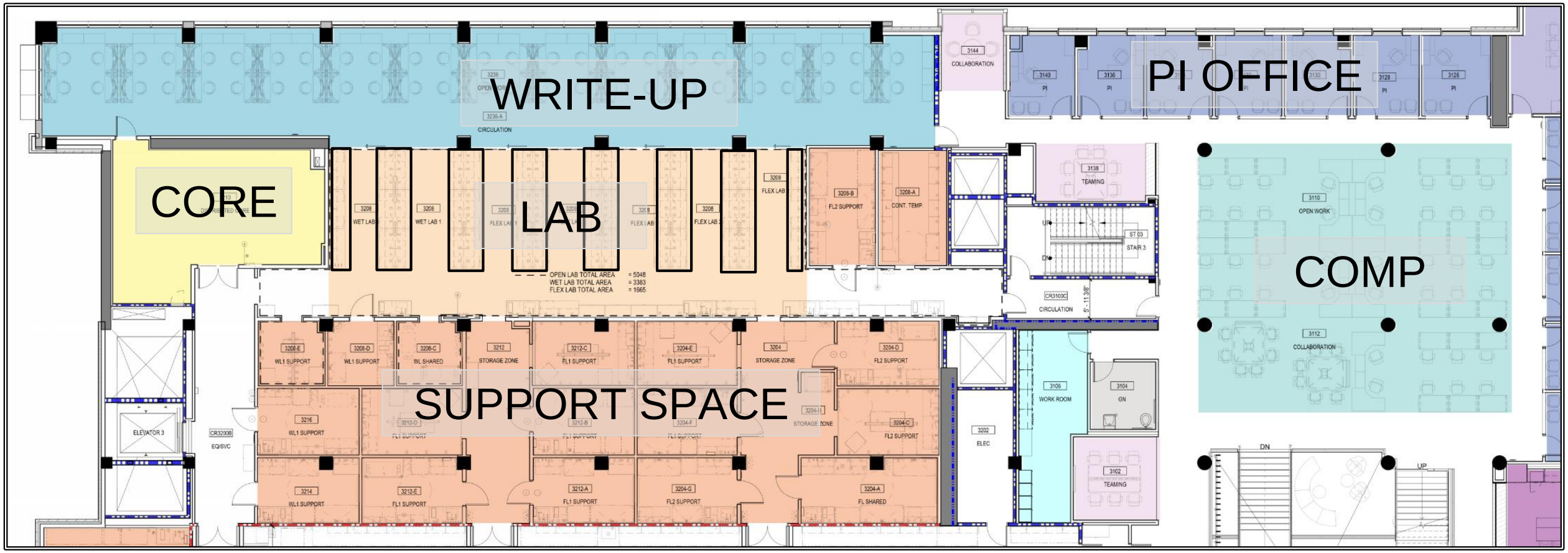
LEVEL 3, Full Plan

Space Type

- Labs
- Lab Support
- PI Office
- Write-up/Computation
- Interactive

MRB1 Example Floorplan - Partial



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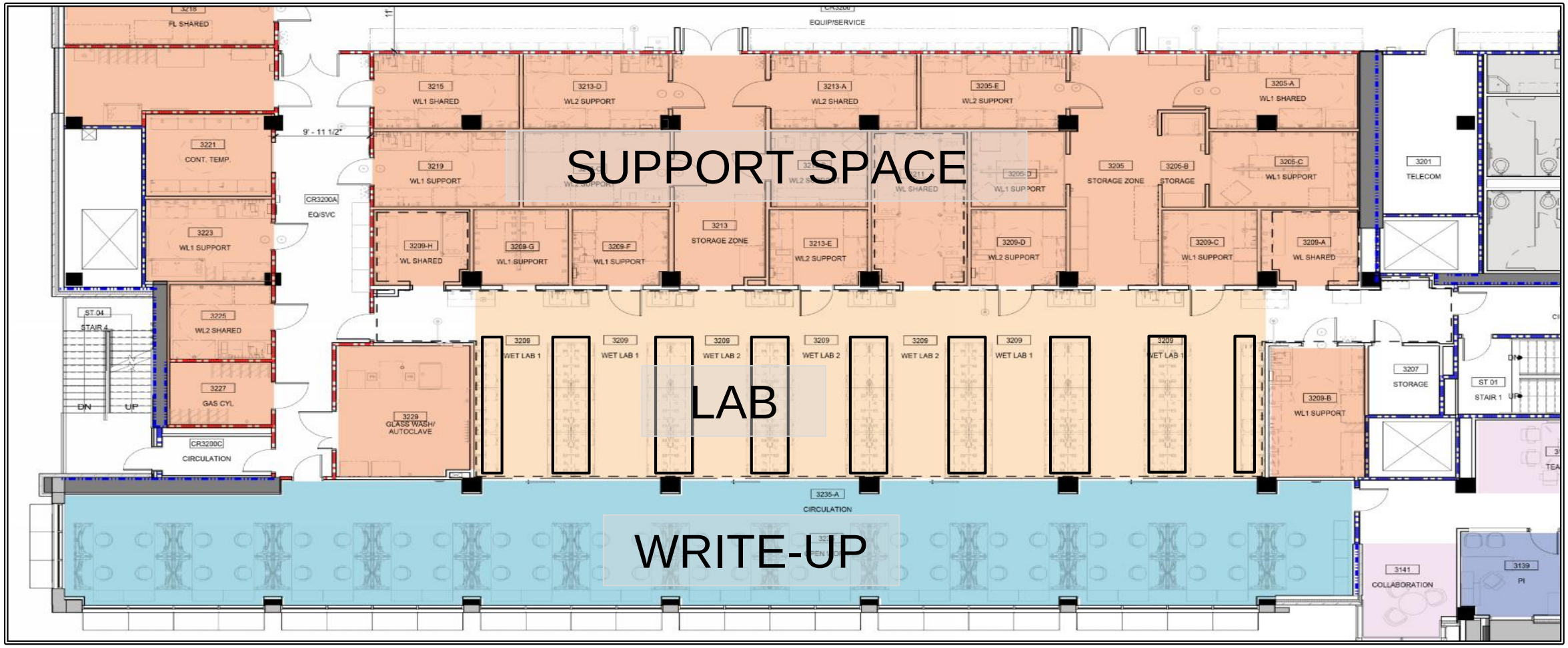
LEVEL 3, Enlarged: North Lab Ballroom

MRB1 Example Floorplan - Partial



Labs | Lab Support | PI Office | Write-up/Computation | Interactive Space

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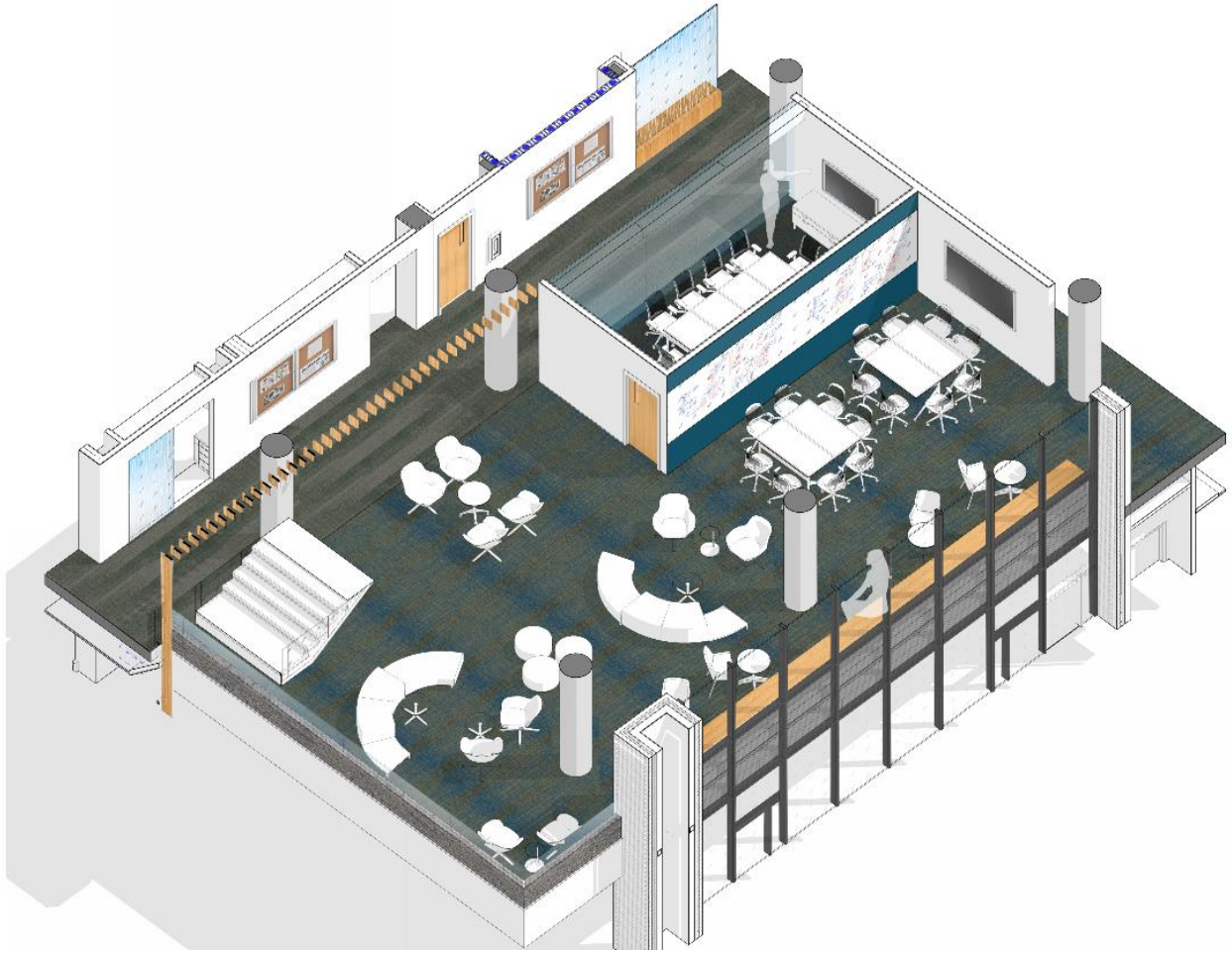
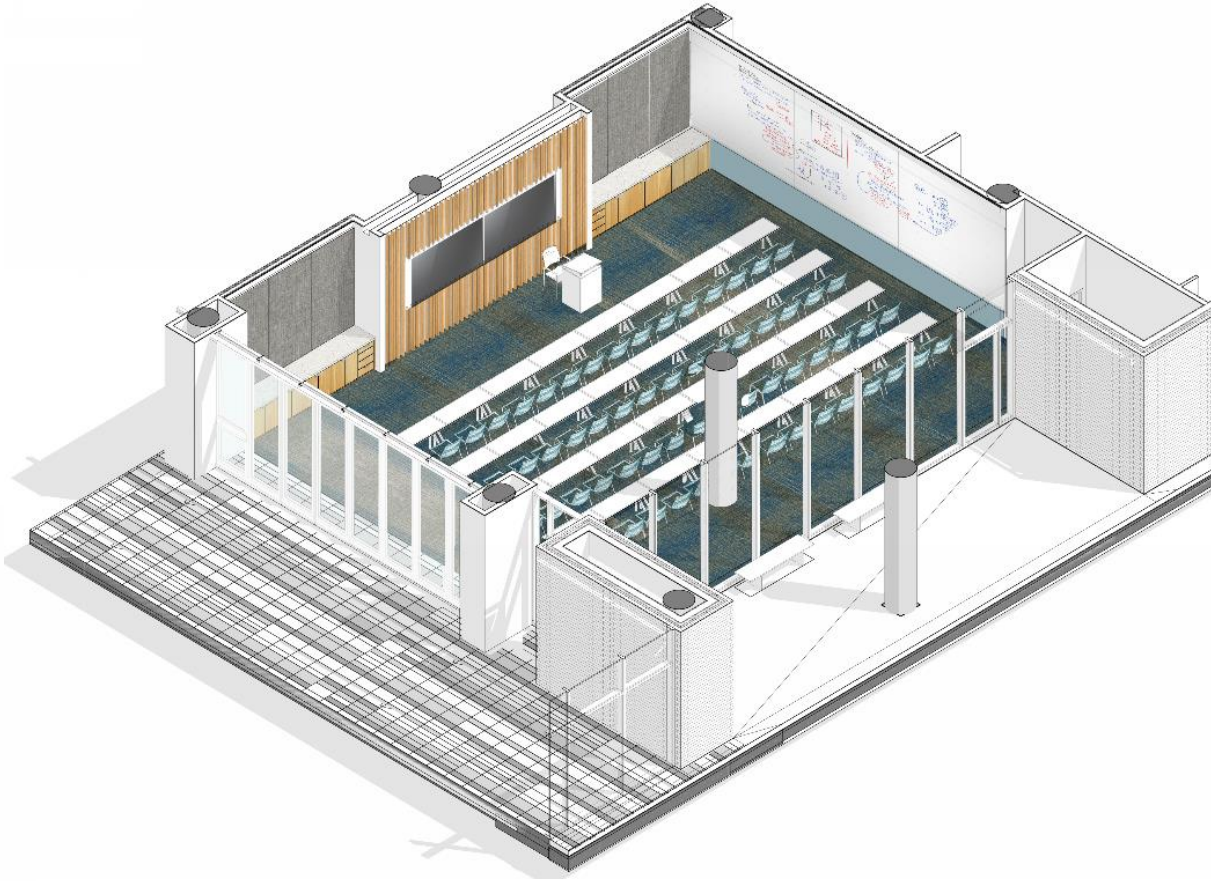
LEVEL 3, Enlarged: South Lab Ballroom

MRB1 Scholarly Activity Areas

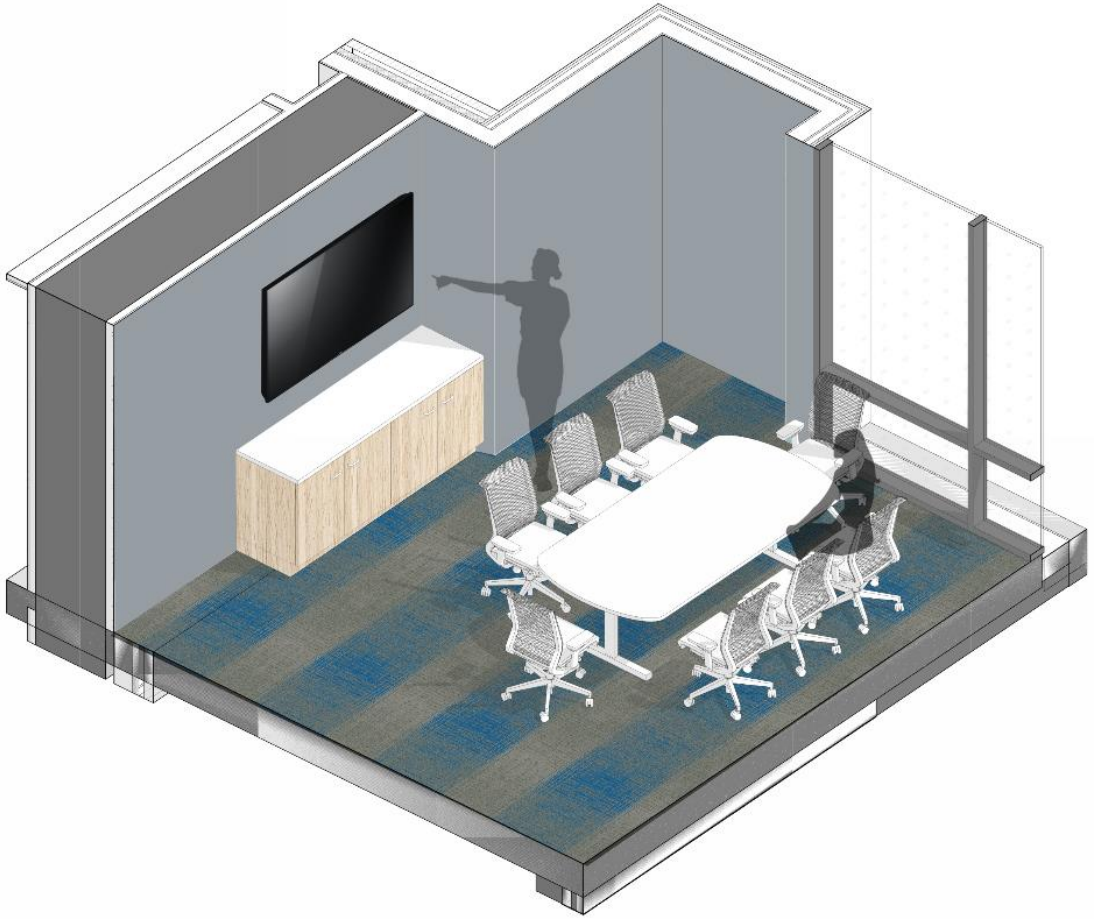


SCIENTIFIC GALLERY

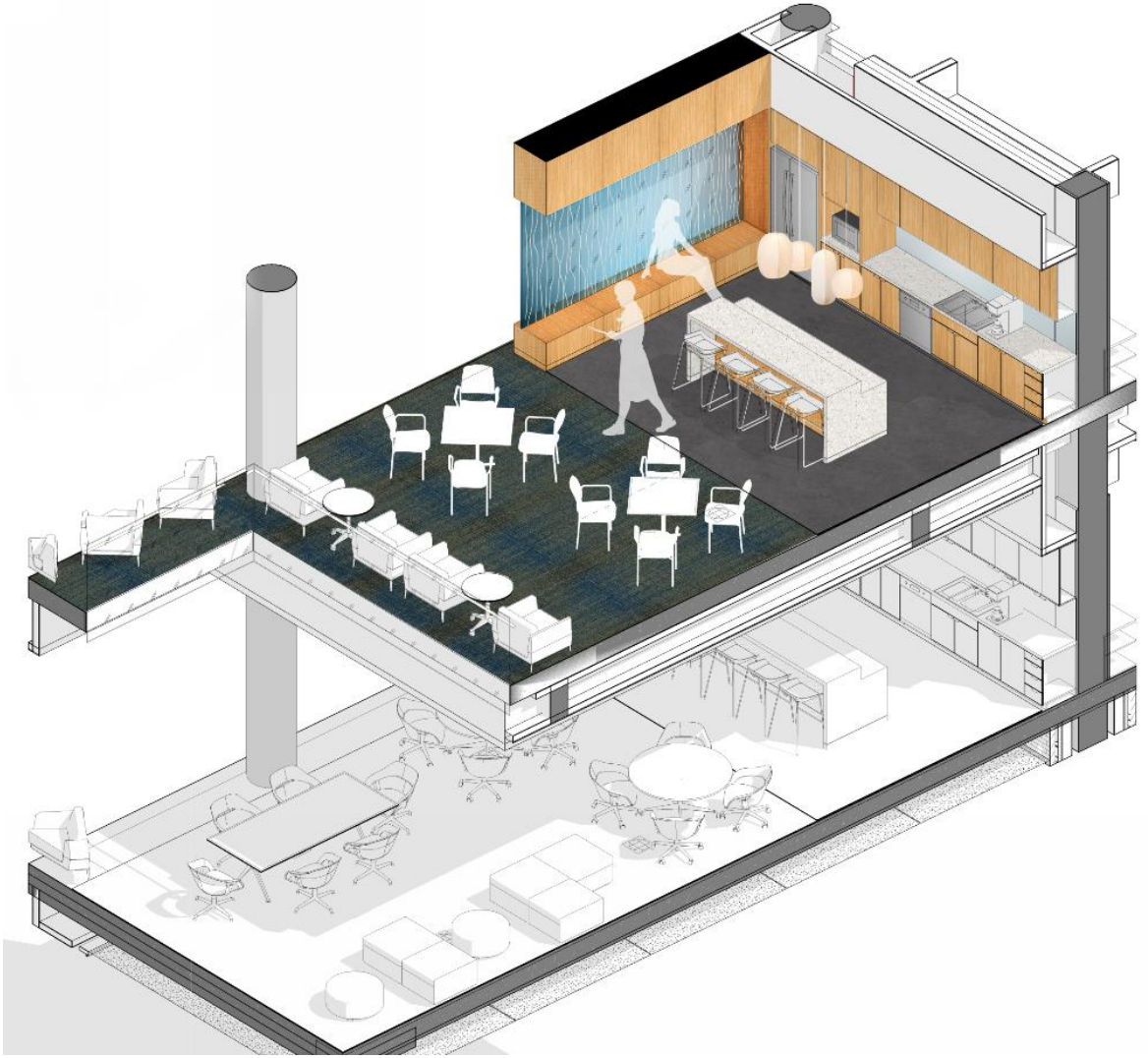


SEMINAR ROOM

MRB1 Scholarly Activity Areas

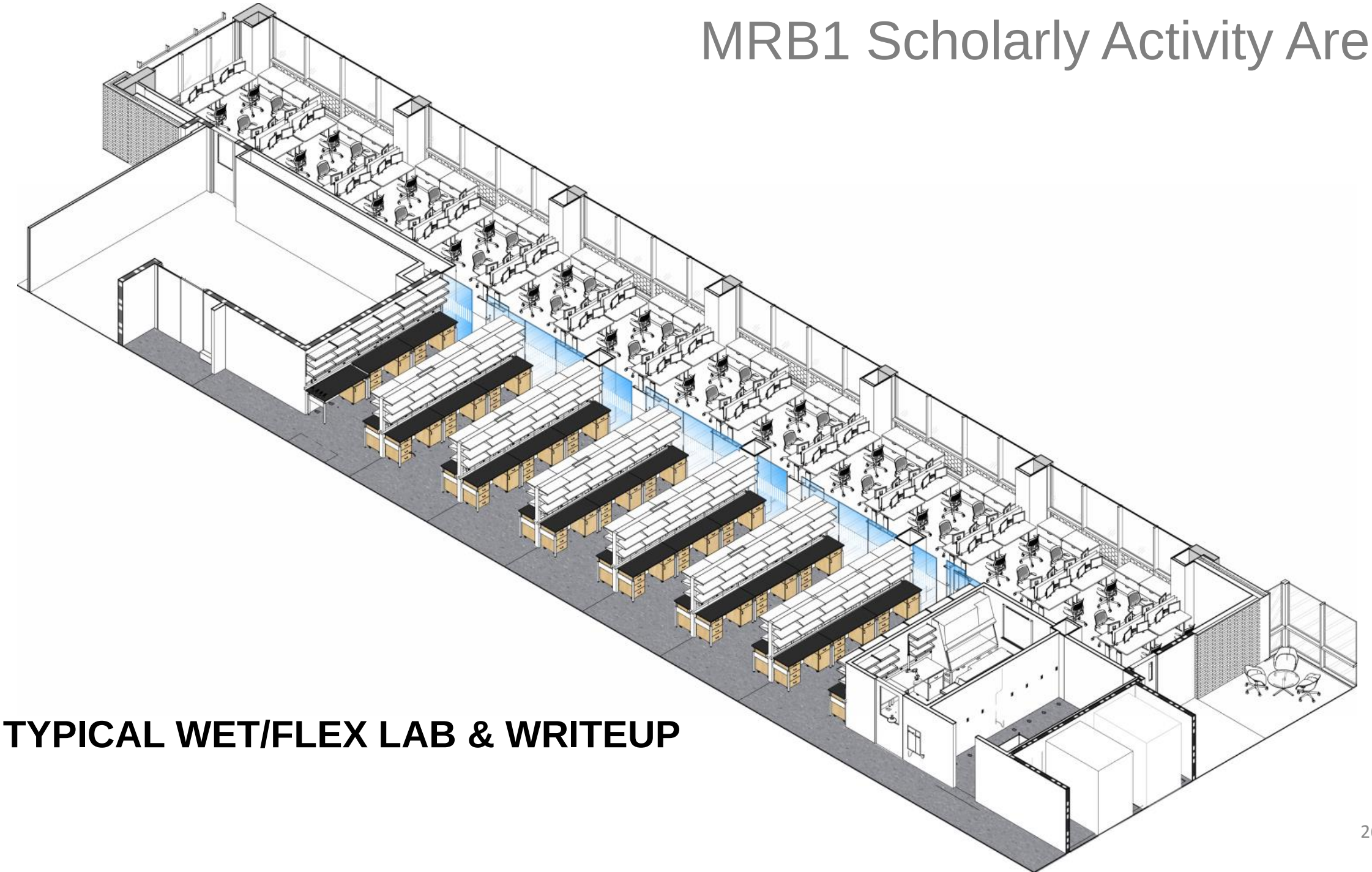


MEETING ROOMS



SCHOLARLY ACTIVITY AREA

MRB1 Scholarly Activity Areas



TYPICAL WET/FLEX LAB & WRITEUP

Schedule *

1. • Informational Meetings - May 18 & May 19
2. • Announce RFEI via E-mail – May 22
3. • Q&A - May 22 – June 16 *
4. • Post FAQs / Update RFEI – June 19 *

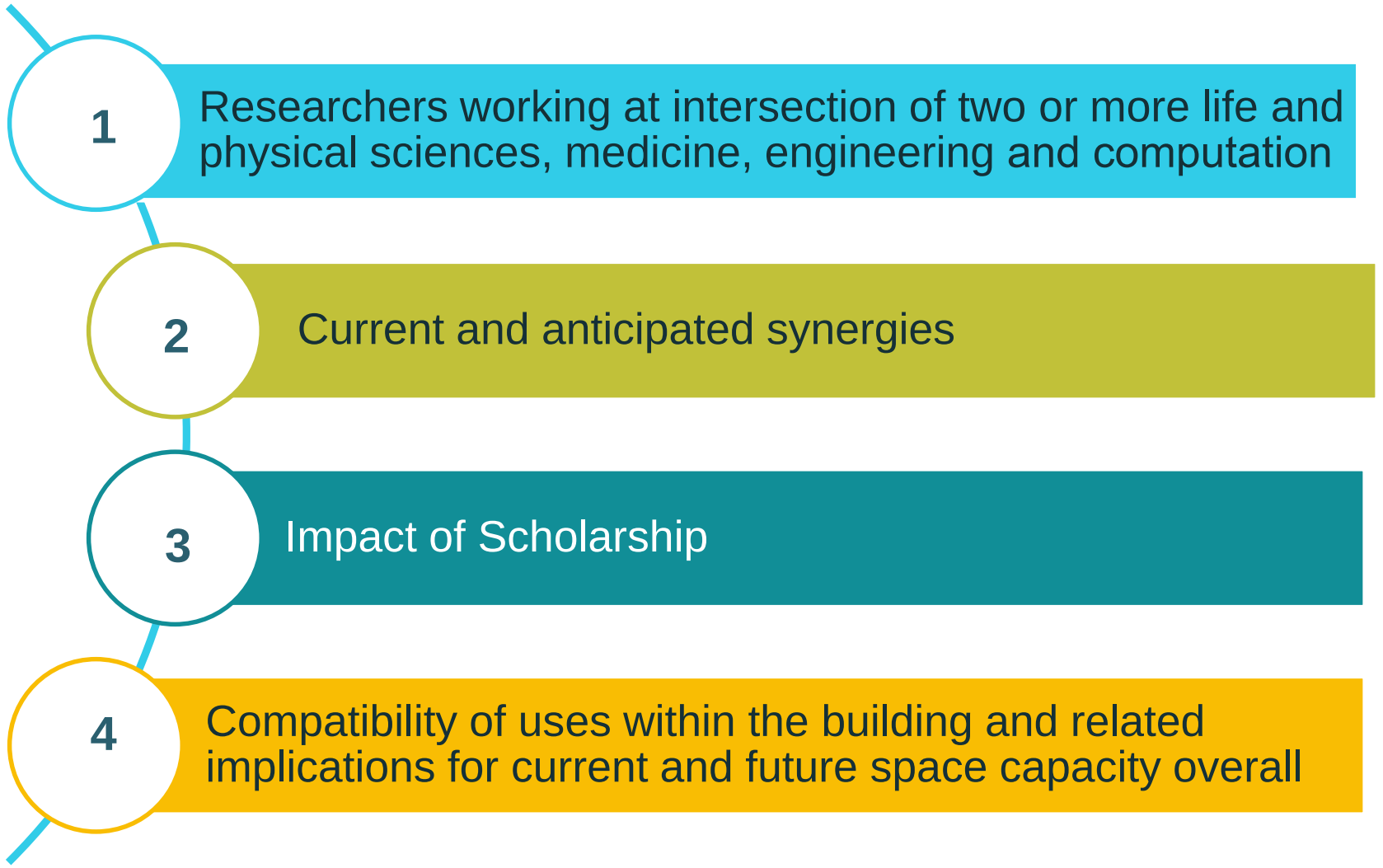
Final • Submission Deadline – June 30 *

** revised after meeting*

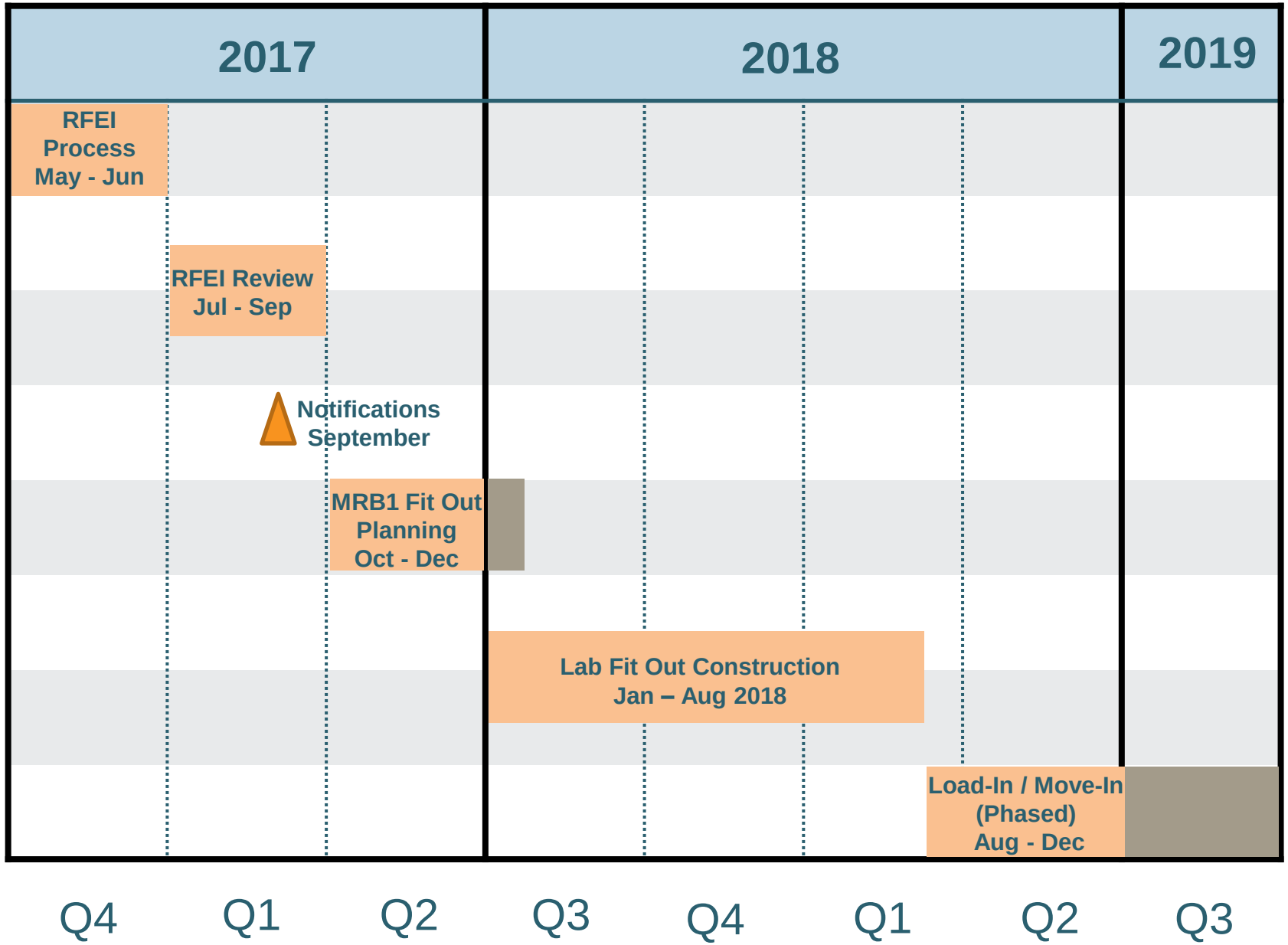
Requirements

1. Description of Proposed Research Theme
2. Disciplines Involved
3. Equipment & Infrastructure Needed
4. Team Size & Organizational Structure
5. Existing & Proposed Research (Current + Projected Next 5 Years)

Selection Criteria



Expression of Interest Timeline



Questions & Answers

Post – Meeting Reception & Rendering Review