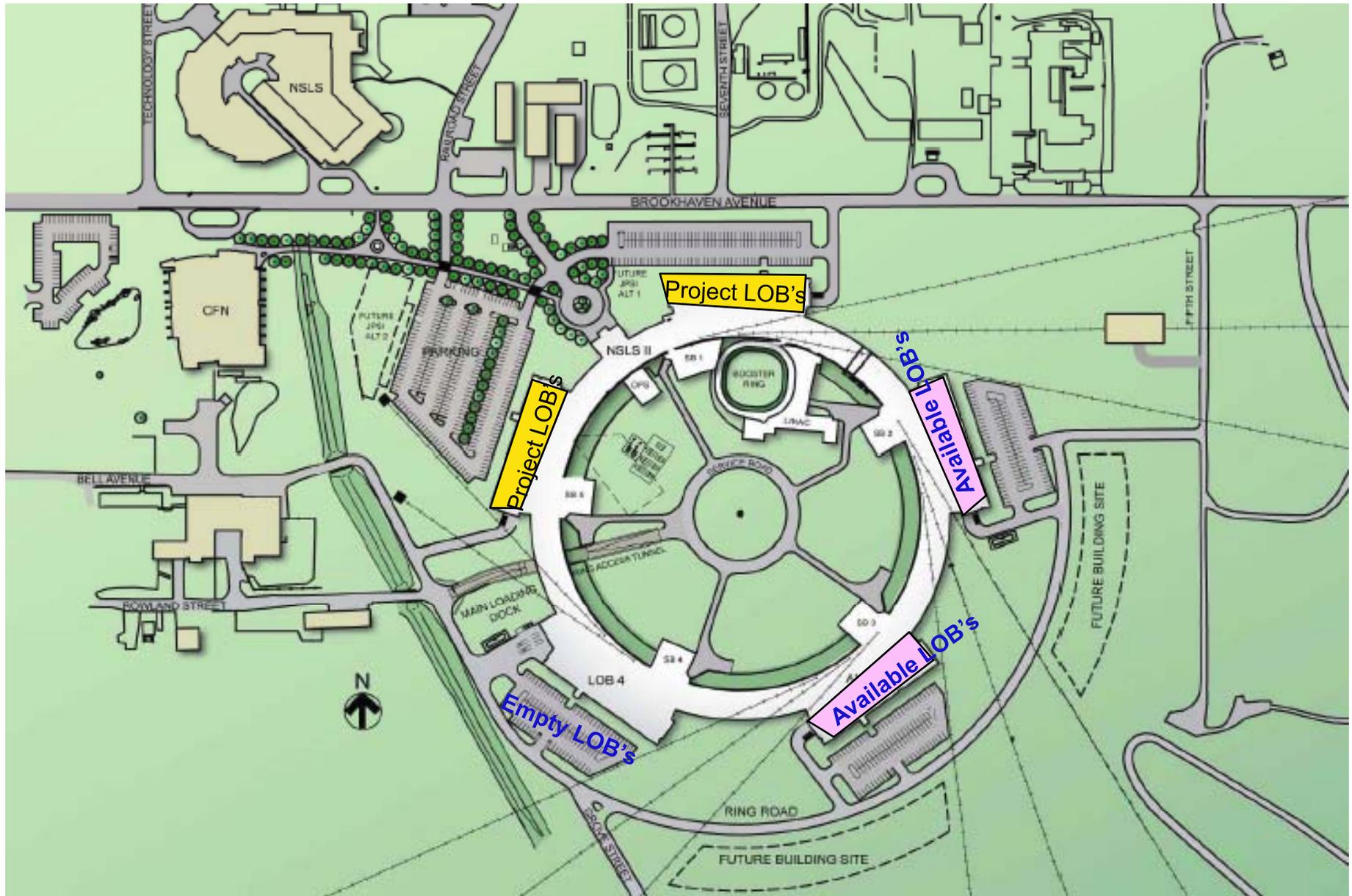


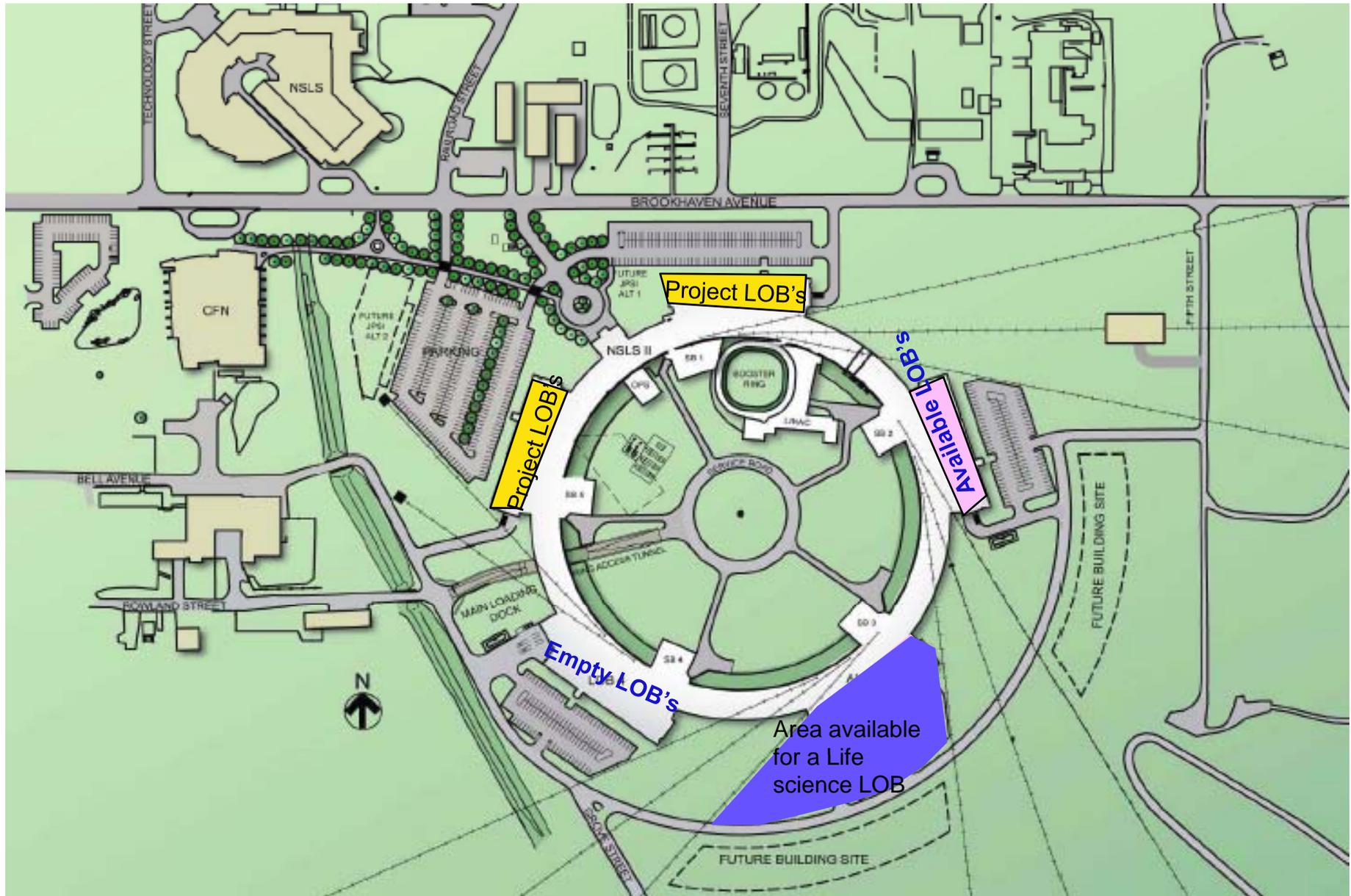
Life Science Laboratory Office Building

*Vivian Stojanoff
BNL - NSLS*

NSLS II general overview



NSLS II general overview



Purpose

Provide **state of the art research tools.**

Proposed Life Science LOB

Two levels

ground level - Laboratory space/Machine shop/Storage/Shipping&receiving

top level - Offices/Meeting rooms/Conference room

Laboratory Space

Cell/tissue culture

Microprobe room (plunge freezer, freezer-dryer, microtome, etc.)

Crystallization Robot

Mass Spectrometer

Spectroscopy room (FTIR, UV-Vis, CD)

Microscope room (confocal, stereo microscope, etc.)

Cold rooms

Technical-Instrumentation Space

Storage area

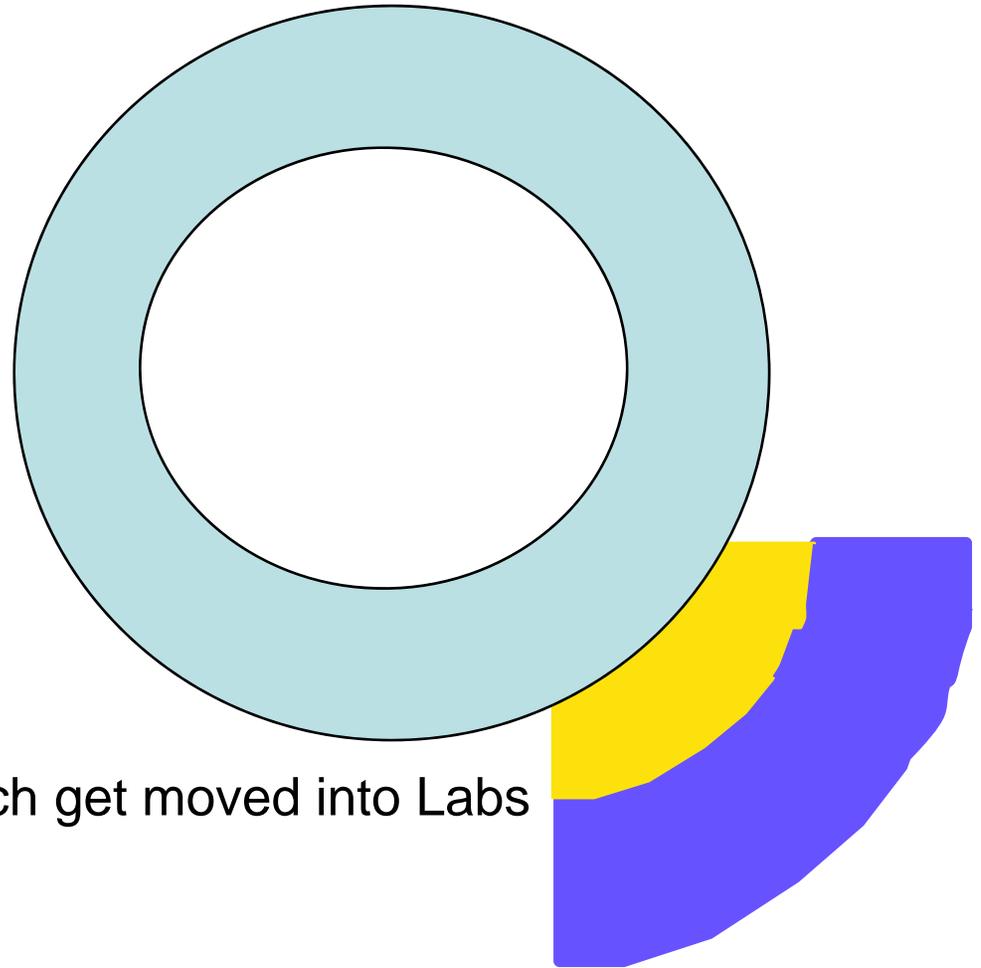
Electronics and beamline instrumentation

Mechanical shop

Instrumentation/Automation/detectors

Modular Construction

Can expand as funding becomes available



- Offices along the sides
- Labs along center lines
- Outerboarders offices which get moved into Labs

Laboratory Needs

Shared Facilities:

Cell culture

Sample manipulation

Crystallization

Spectroscopy room

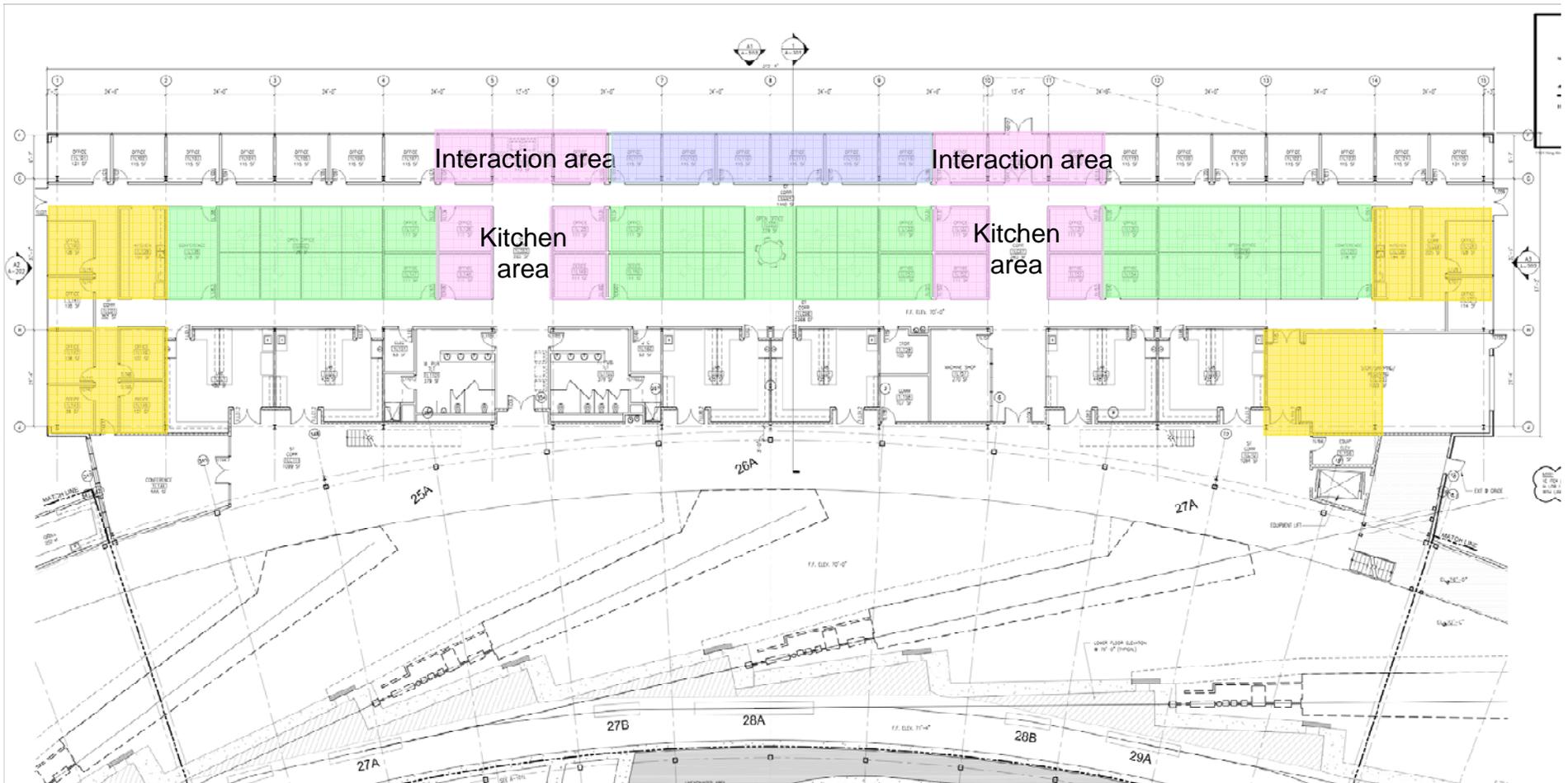
Microscope room

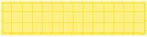
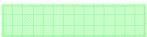
Dishwasher - Autoclave

Cold Room; etc...

A copy of the current wish list is available in the folder

Laboratory - ground level



-  Additional Lab space
-  Cold, Crystallization robots and Centrifuge rooms, storage area
-  Spectroscopy/Microscopy Labs

Office Space and Conference/meeting rooms

Wish list:

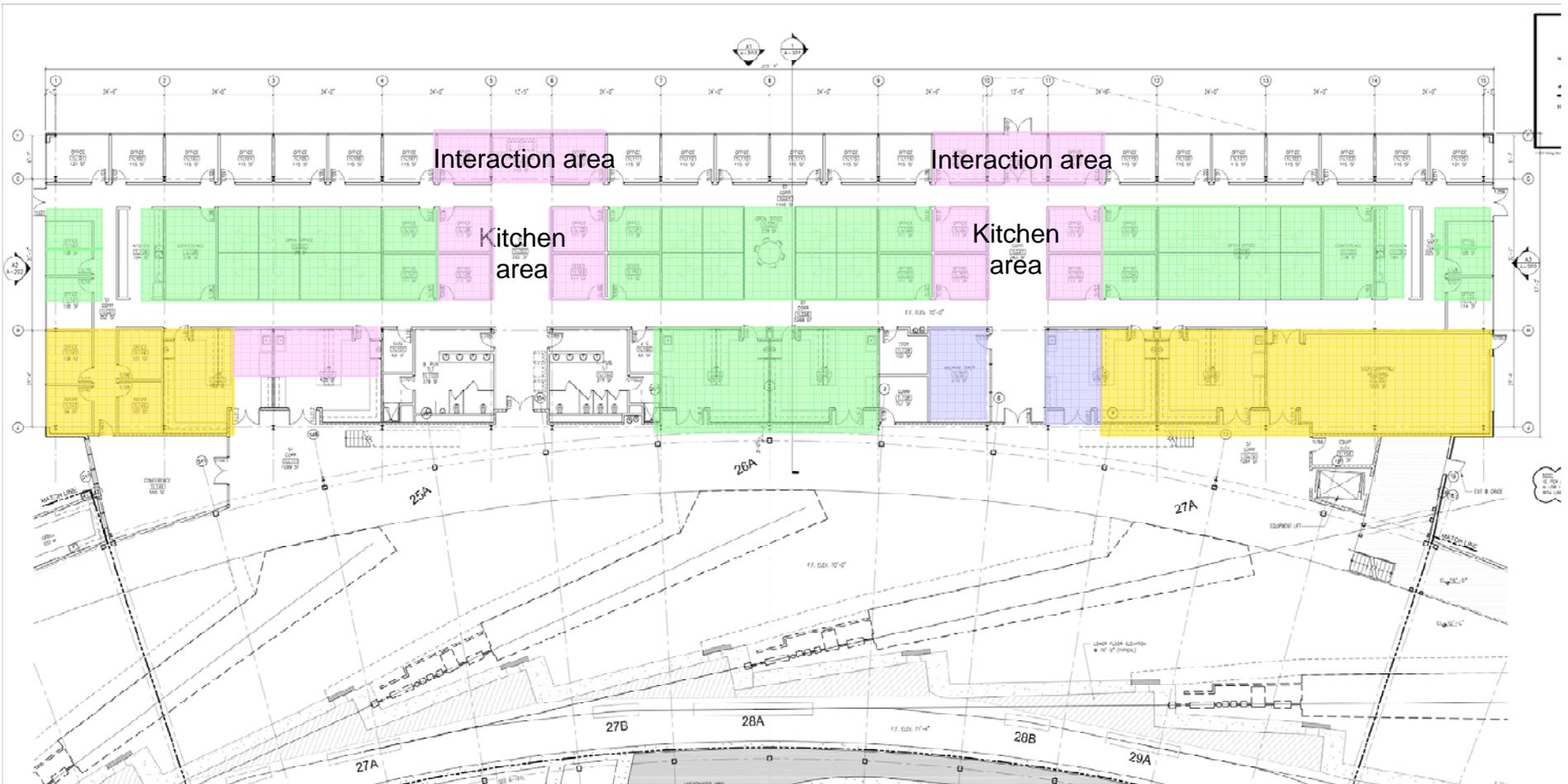
Offices for scientific and technical staff
if necessary will share

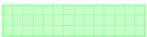
Conference and meeting rooms

Informal interaction areas

Kitchen

Office space - 1st level



-  Additional Meeting rooms - Modular Conference room
-  Additional Offices
-  Storage

Timeline

The Laboratory - Office Building should be available when the first Life Science beam line becomes available.

Start planning: July 2008

Preliminary design and cost estimate: July 2009

Design proposal by external source: December 2009

Desired funding: January 2010

Final design: July 2010

Start construction: Fall 2010

Installation: December 2013

Funding

These and other funding agencies will be approached to support this effort

NIH – NCRR, NIGMS, NIBIB

DOE – BES

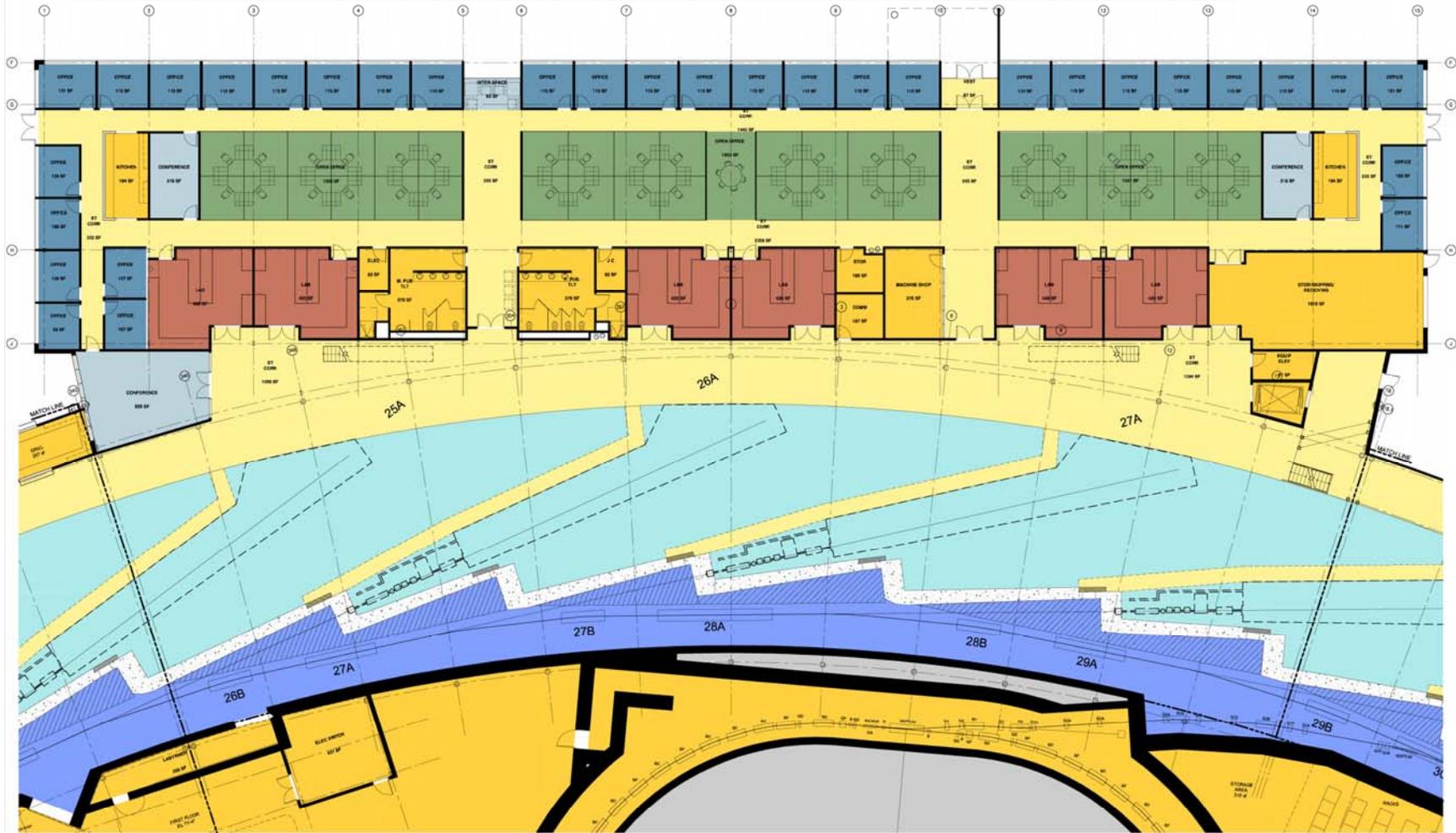
New York Structural Biology Center

What is being proposed

A two story building with mostly Lab space on the ground floor and offices on the first level.

What we should remember is that there are other facilities on site such as the Center for functional nanomaterials, Scanning Transmission Electron microscope, The Center for translational neuroimaging, with whom we can share equipment

Proposed LOB layout - Project



FIRST FLOOR PLAN - LOB 1 (PERIMETER OFFICES)

