

INTEGRATIVE SCIENCE COMPLEX - Phase 2

DRAFT PATTERNS: Neuro/Life Science User Group

1 June 08/FT

Horizontal Connections - Connected Buildings

People are much more willing to move horizontally through the science complex than vertically. Take advantage of this quirk of human behavior by placing programs that would benefit from maximum interaction on the same floor level in new or adjacent existing space.

Social Stair

Create vertical connections that encourage people to go from one floor level to another and interact with others doing the same. Willamette Atrium and Streisinger's internal stair represent two good examples of how this can be done.

Essential elements:

- direct path of travel: make the stair seem efficient by minimizing back-tracking
- visible destination
- generous stopping places: provide places that encourage conversation along the way
- daylight

Modular Interchangeable Labs

As in Streisinger and Willamette, establish a small number of generic lab modules which are repeated in large quantities. If properly designed, these reduce the need for change in the future, as has been experienced in Streisinger, and maintain a sense of equity among researchers. Size the modules so that research programs can grow and shrink gracefully.

Blended Research Domains

Instead of assigning contiguous space for each research, blend the research communities by interspersing bench space for other researchers with the domain of a PI. [diagram]

Connecting Doors

Use redundant connecting doors to allow for future connections between lab modules if desired. [diagram]

Integrated Local Core

Provide core facilities such as specialized equipment to be:

- very convenient to lab benches
- easily reconfigurable
- easily shared
- visible from circulation space (to encourage sharing)

Smooth Cart Travel

Ensure that floor surfaces provide a smooth rolling surface for carts. Replace or repair surfaces such as the Klamath ground floor south lobby and the Huestis ground floor lobbies which are exposed aggregate or brick paver.

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Space Planning Goals

Global:

- create synergies through adjacencies of research programs
- strengthen and expand major core facilities such as animals

Specific:

- Finish Zebrafish shell space in ISC1, and make provisions for future expansion.
- Expand the Animal Facility with additional animal rooms, possibly by extending the current corridor system to the east.
- Bring cognitive psychology research to the science complex to encourage interactions with other elements of the science community.
- Expand facilities for the Institute of Neuroscience, and relieve the space crowding of Huestis Hall.