

# Building a Truly Interdisciplinary Research Facility

## 15 Design and Management Principles

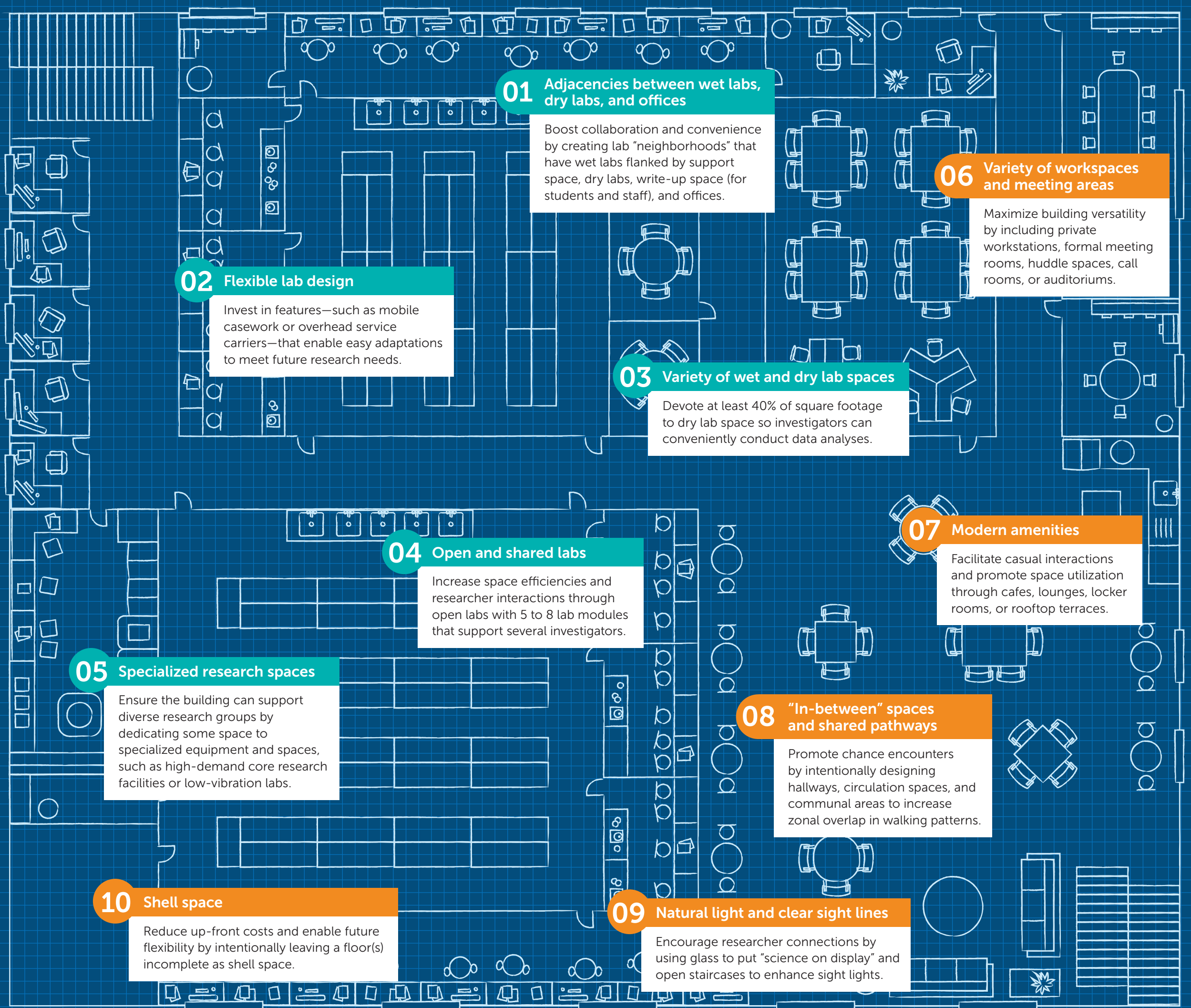
Most existing research facilities were built in the post-WWII construction boom. Today, they are outdated and incompatible with modern research demands. New construction offers a blank slate and the opportunity to hardwire desired behaviors into the physical space. Yet, most new research buildings have failed to meet evolving researcher needs and to achieve their interdisciplinary goals.

This infographic illustrates 15 forward-looking design and management principles to help leaders hardwire new research buildings to spur researcher interactions and support collaborative projects.

### Lab-Centric Design Principles

### Building-Wide Design Principles

### Space Management Principles



### 11 Centralized management

Give the Research office oversight of the facility so that space utilization is aligned with research goals.

### 12 Formal space application

Require teams to submit applications that explain how their proposed work advances interdisciplinary collaboration and aligns with building priorities.

### 13 Project-based space allocation

Challenge misperceptions about permanent space "ownership" and guarantee collaboration by allocating space to team projects rather than individual researchers.

### 14 Maximum occupancy periods

Set a maximum occupancy period for teams based on their projects, review their progress annually, and claw back space if productivity expectations are not met.

### 15 Dedicated swing space

Meet short-term researcher needs by carving out a research lab as centrally controlled swing space for temporary allocation.