Project Overview – Medical Research Complex

• A new building and a renovation of Given for the Larner College of Medicine and the College of Arts and Sciences Department of Psychological Science.

• Multi-college project supported by the UVM Board of Trustees, Medical Center and Health Network leadership.

• Project leadership team has been appointed.
Larner College of Medicine Research

1. Financial:
   a) Annual research funding $74 – 94 million;
   b) Over 7 to 9 times the ROI of the other public Medical Colleges;
   c) Top 10 state in NIH funding per capita;
   d) The majority of UVM start-ups are associated with Larner College.

2. This world-class research attracts top graduate students.


4. Research improves citizens’ lives – in our state, nation and world.
The Problem – Given 1963
Current status – Systemic deferred maintenance defeats piecemeal rehabilitation
The Vision

Create modern research space to support the performance and growth of our research enterprise.

Design principles will highlight flexible, open, and collaborative spaces that share resources efficiently.
The Vision: Funding

The current budget is approximately $90 million for both the new building and the rehabilitated Given building.

Funding Sources

- The University
- The College
- The Alumni
- The Department Chairs/Medical Group
College of Arts and Sciences

Psychological Science:

• The largest major at UVM

• Teaching nearly 12,000 credit hours per year

• Most research productive of CAS departments
  • $1.6 million annual grants
  • Research productivity places it in the top quartile of departments nationally

• Vermont Psychological Services Clinic
  • High quality, evidence-based, psychological services
The Problem – Dewey Hall 1905
Current Dewey status
Vision: College of Arts and Sciences

- New, flexibly designed research space in the Given building.
- Common and shared resources.
- Prime location in the heart of the research campus.
Project Description

Architectural Team:

- Jim Collins - Payette Associates, Boston
- Keith Robinson - Black River Design, Montpelier
AGENDA

1  Project Overview
2  Trends
3  New Laboratory
4  Discussion
PAYETTE - BLACK RIVER DESIGN FACTS

• Think Tank Environment in Innovation District
• Experience with 21 of the Top 50 Research Institutions
• Integrated Building Science Group, Visualization, FabLab
• National Leaders in Science, Research and Healthcare Design
• Local Vermont Office and Experience with Vermont Consultant Team
• Over 50 Successful Projects with UVM: Over 25 with the LCOM Alone
• Familiarity with UVM’s Standards and Personnel
Provide **modern facilities** for the Larner College of Medicine and Psychology Department

Provide the same amount of space currently available, no net increase to square footage

Construct a new laboratory building attached to the southeast side of Health Sciences Research Facility (HSRF); new construction to be **laboratory and associated office space**

**Renovation** of Given Building for a new 50 year life
SCHEDULE | Overview

2018
Q1 Q2 Q3 Q4
Schematic Design Complete

2019
Q1 Q2 Q3 Q4
Board of Trustees Meeting

2020
Q1 Q2 Q3 Q4
New Laboratory Ground Breaking

2021
Q1 Q2 Q3 Q4
New Laboratory Complete

2022
Q1 Q2 Q3 Q4
Given Building Renovations Begin

2023
Q1 Q2 Q3 Q4
Given Building Renovations Complete

2024
Q1 Q2 Q3 Q4
NEW LABORATORY

GIVEN

HEALTH SCIENCES RESEARCH FACILITY

ROWELL HALL
• Replace building exterior façade
• Upgrade building mechanical systems
• Upgrade building electrical systems as required
• Replace roofing
• Update building to meet current building code requirements
• Update building to meet current accessibility requirements
• Interior renovations as required to accommodate new or relocated occupants
TRENDS IN RESEARCH BUILDINGS

Flexibility / modularity of labs

Transparency and daylight

Collaboration and interaction

Shared resources / cores

Sustainable infrastructure
Harvard University – Memorial Church Renovation
LABORATORY PLANNING | DATA DRIVEN

- Examine and Observe
- Analyze Equipment Usage
- Study Circulation / Flow
- Tour, Build Mock-ups, Draw and Document Solutions
CONCEPTUAL FLOOR PLAN

LCOM Research Laboratory Addition

COLLABORATION

OFFICE

EQUIPMENT

BENCH

WRITE-UP

COMPUTATIONAL
Next Steps

How to Participate

• Town Hall
• Work with New Building Advisory Group and Given Advisory Group
• Website

www.med.uvm.edu/MedicalResearchComplex
Questions?