

Lawrence Berkeley National Lab Update on the Integrative Genomics Building (IGB)

Presentation to Community Advisory Group

July 14, 2014

Topics - IGB



- Results of the siting selection
- Overview of 50% conceptual design
- Initial thoughts on exterior skin
- Initial environmental evaluation
- CAG Input and Q&A



- Last CAG Meeting discuss and obtained CAG input on three sites
 - Bevatron
 - Old Town
 - Blackberry Canyon



- CAG key issues
 - Views
 - Traffic/Parking
 - Hydrology
 - Density on Hill Site
 - Building Flexibility



- CAG raised concerns on the Blackberry Site
 - Access
 - Hydrology
 - Stability of slopes

- CAG raised concerns on the Old Town Site
 - Hydrology



- Input presented and considered by Executive Committee on May 19
- Decision was made to complete the conceptual design with the IGB at the Bevatron Site

IGB - Conceptual Design



- Conceptual Design Steps
 - Develop Program Requirements
 - Review Options for Massing on the site
 - Layout and refine massing
 - Preliminary evaluation of exterior materials
 - Obtain CAG input

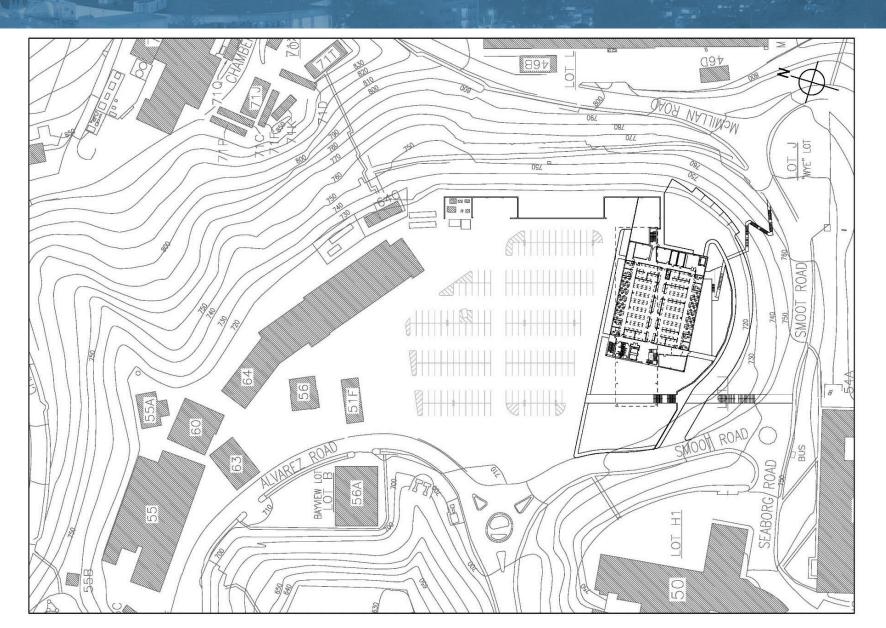
IGB - Conceptual Design

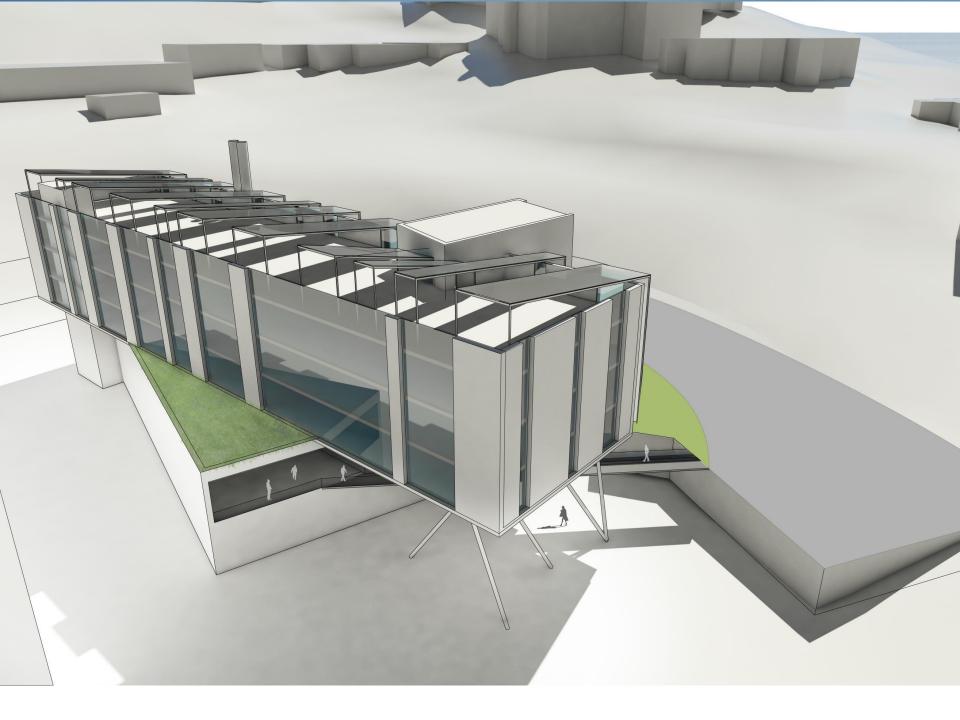


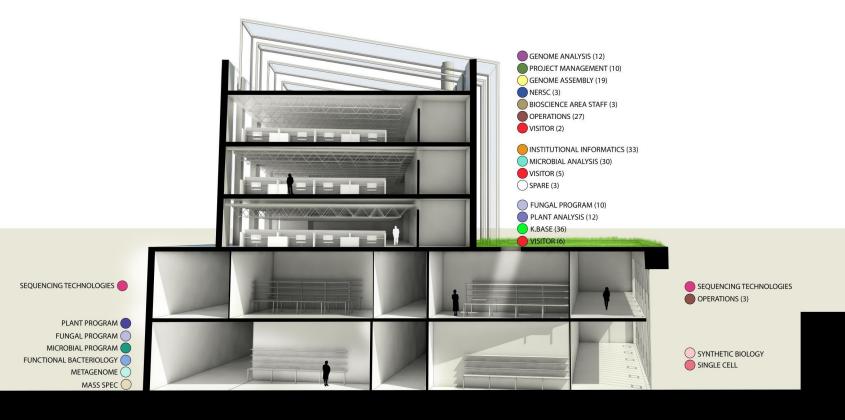
- Initial Summary Program Requirements
 - ~78,500 Gross Square Feet (GSF) Plus Separate Utility Plant (~ 5,000 GSF)
 - Population 333
 - Types of spaces
 - Offices
 - Wet labs
 - Dry labs
 - Computational
 - Warm and cold rooms

IGB - Conceptual Design, Site Plan

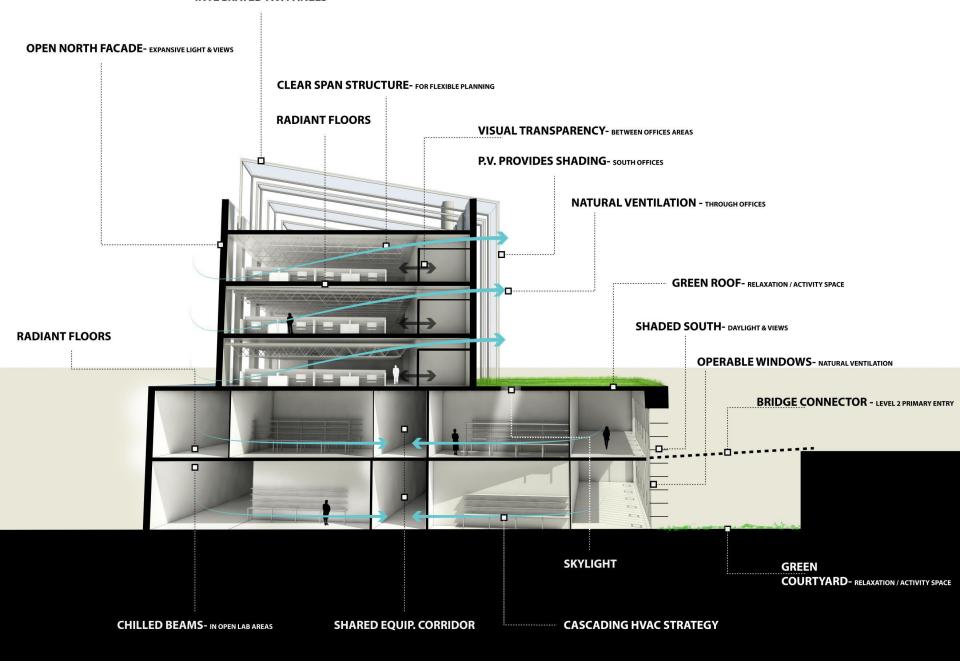








INTEGRATED P.V. PANELS

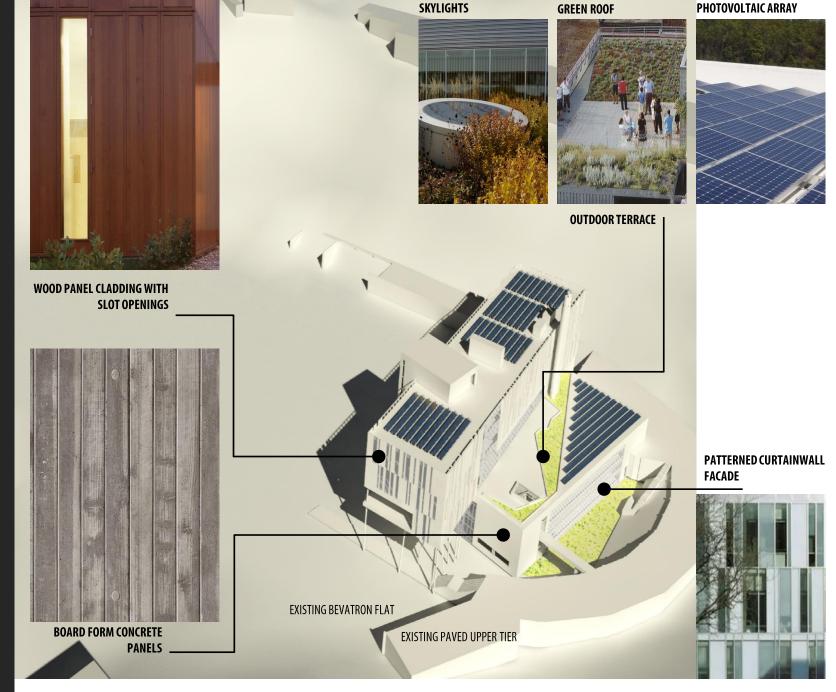


MATERIALS CONCEPT 1

The two volume building composition is clad by two materials.

- 1 Board form wood grain concrete panels to delineate the lower base volume.
- 2 Wood veneered cladding panels for the upper volume

Other material features to include: Curtainwall glazing with pattern. Outdoor terrace is composed of a green roofed break space for users, as well as an area for a photovoltaic array. Terrace-scape composition will be dotted by skylight elements to bring light and sky views to the lab spaces below.



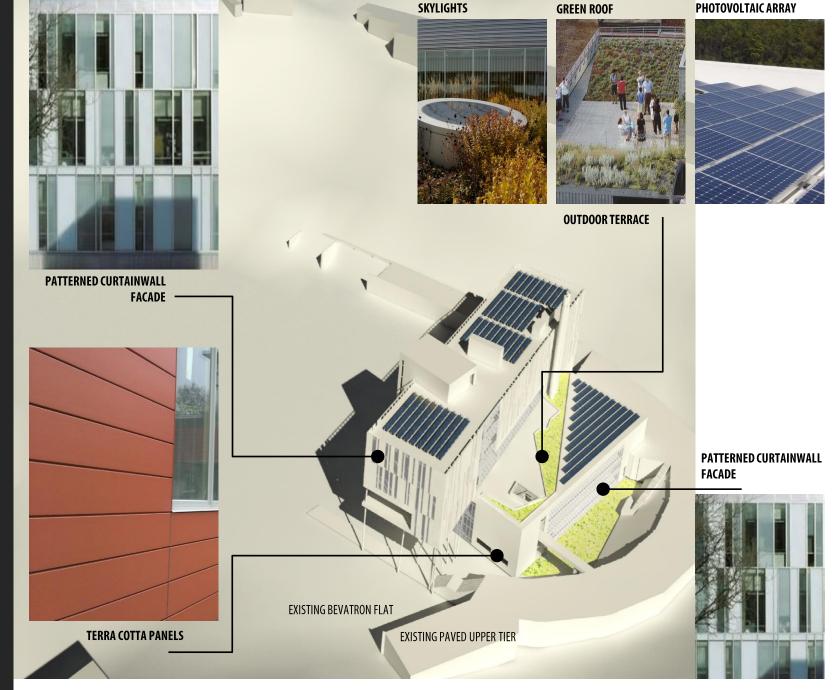
CONCEPT 2

The two volume building composition is clad by two materials.

1 — Terra Cotta panels to delineate the lower base volume.

2 — Glazed curtainwall system for the upper volume with a patterned composition

Other material features to include: Outdoor terrace is composed of green roofed break space for users, as well as an area for a photovoltaic array. Terrace-scape composition will be dotted by skylight elements to bring light and sky views to the lab spaces below.



IGB -Environmental



Initial evaluation of environmental issues

CEQA

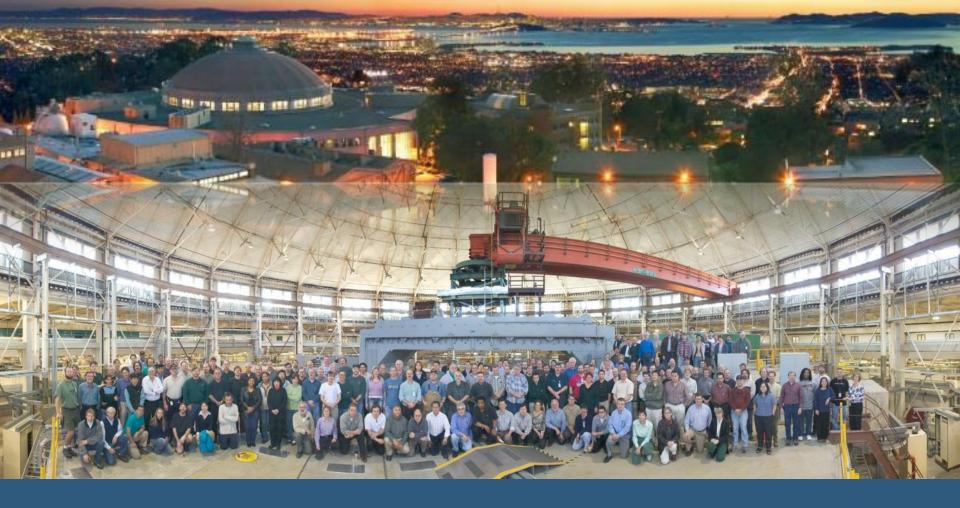
- Analysis to date shows no significant impacts
- Some studies yet to be completed, including traffic and air emmissions
- Initial Study to be completed (public review)

NEPA

Analysis to date shows no significant impacts



Input and Q&A



Thank You

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