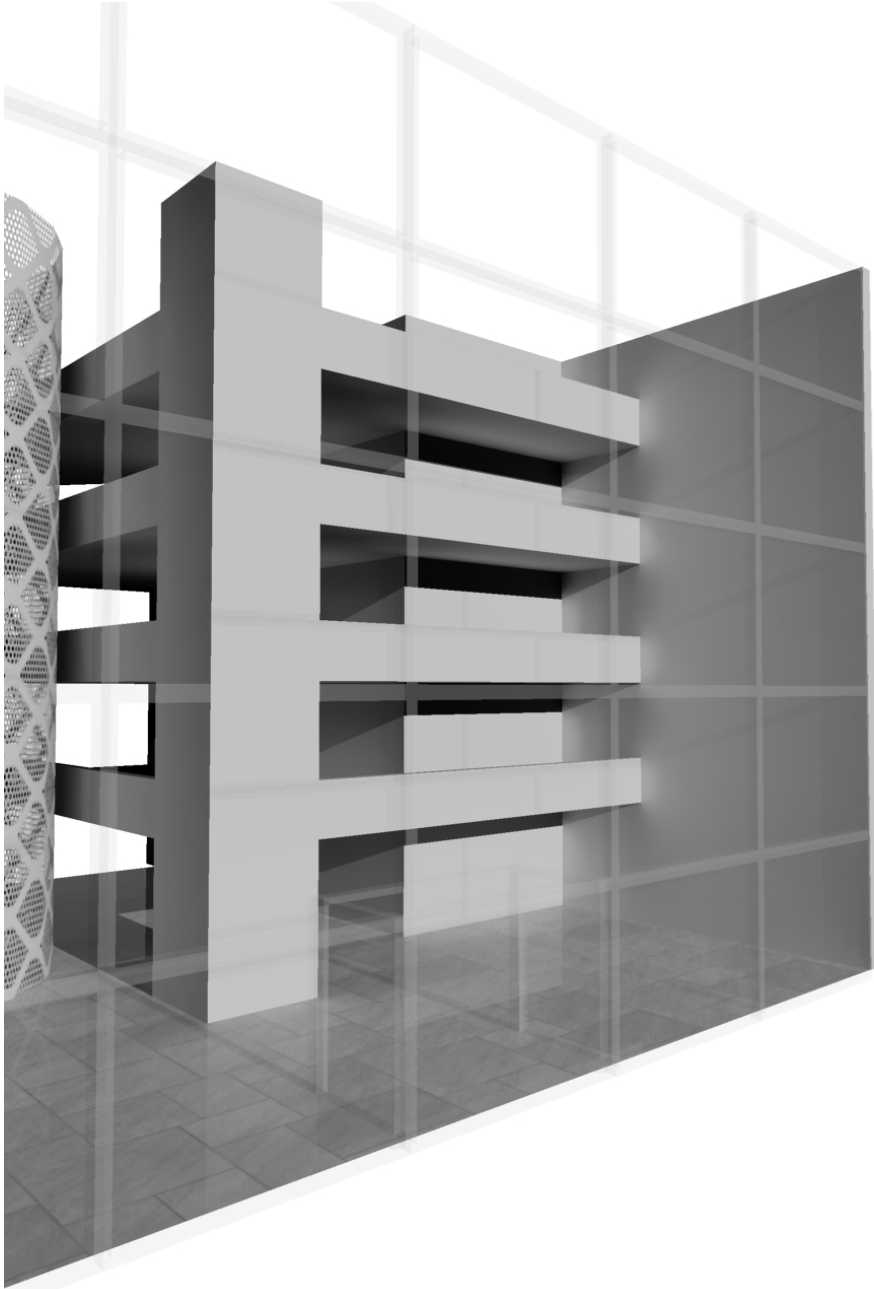


## PLACING RESEARCH INTO LIGHT



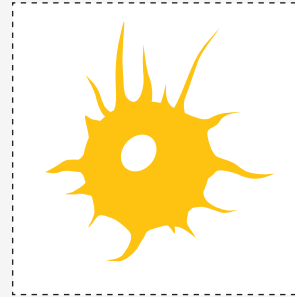
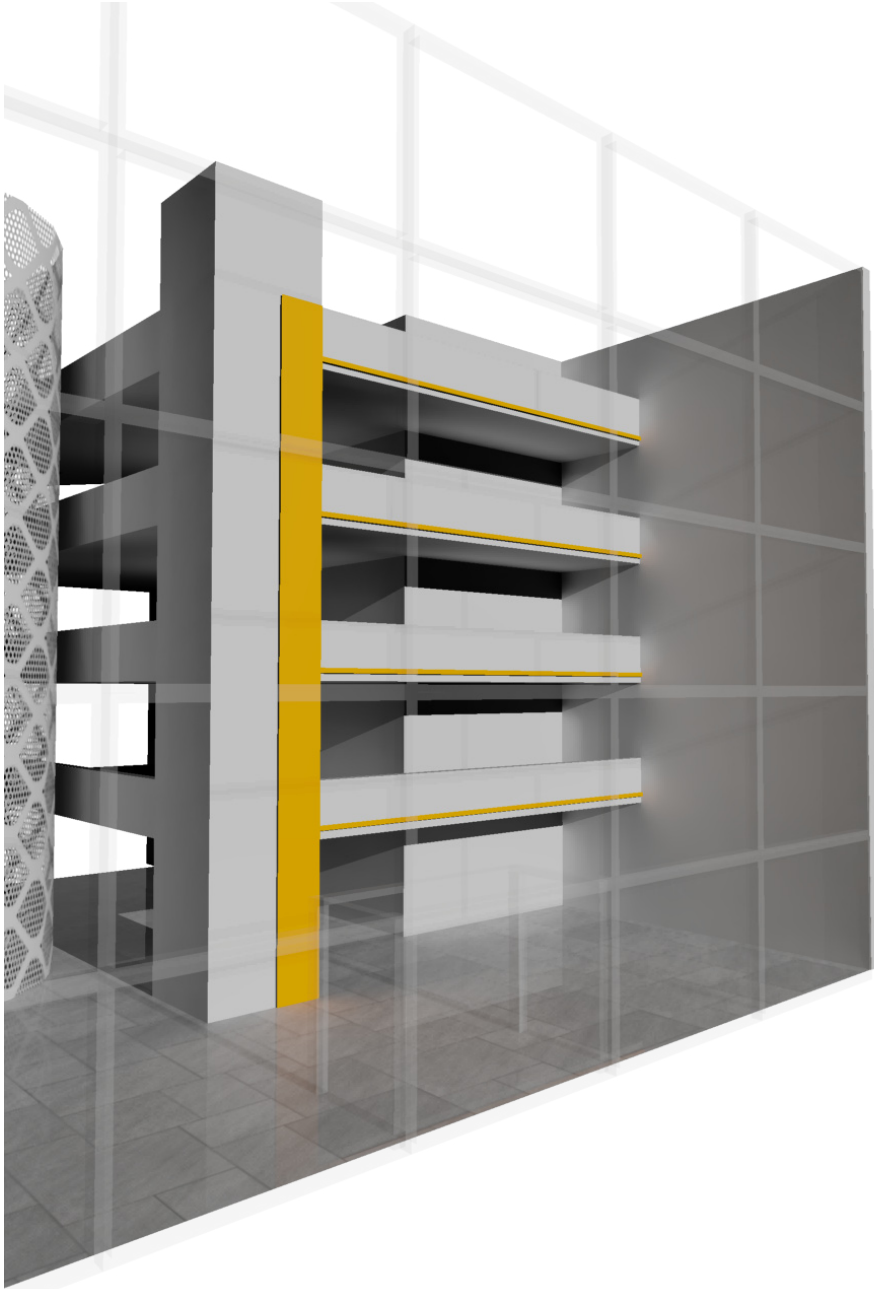
## PLACING RESEARCH INTO LIGHT



### Actual Condition

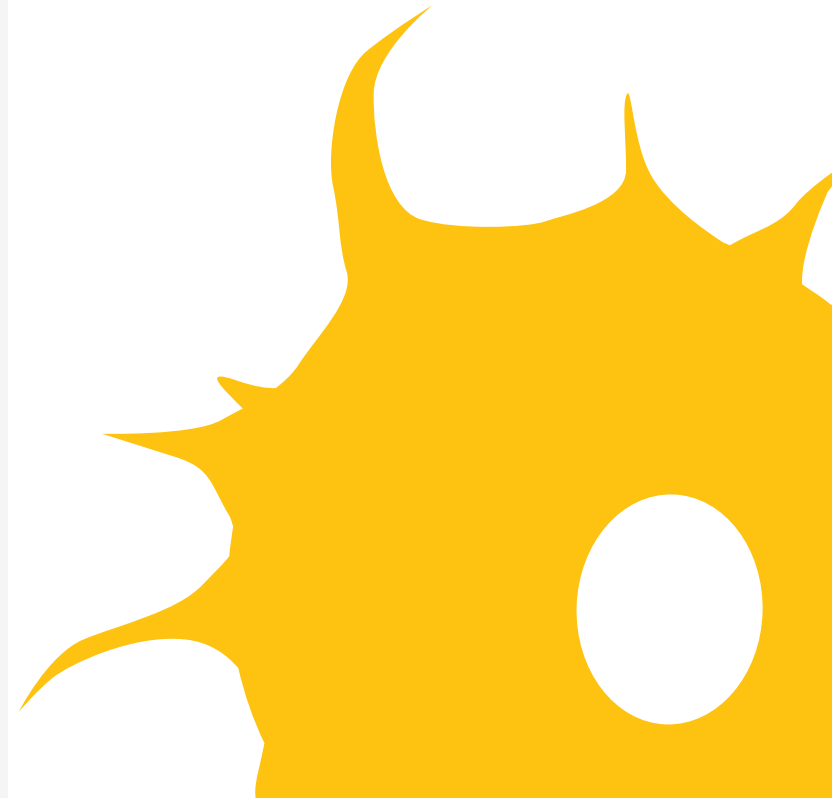
The foyer is lacking representation of research being done inside the labs. Hence we want to install an interactive light installation, which brings the lobby to life.

## PLACING RESEARCH INTO LIGHT

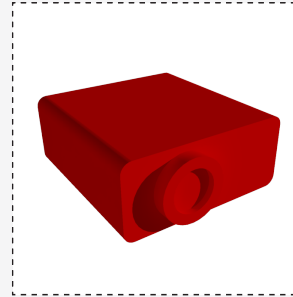
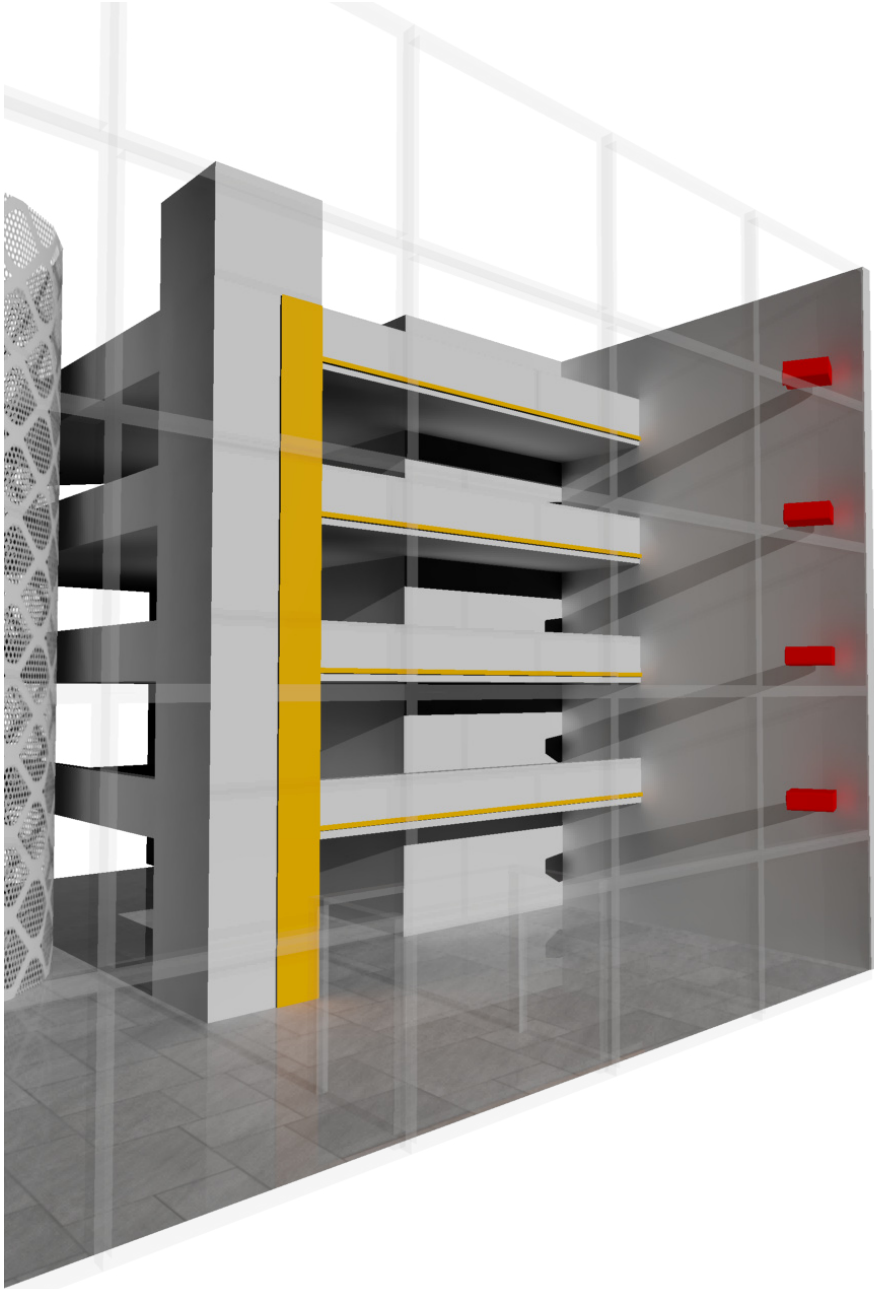


### Print

A permanent print is applied to the elevator shaft, which is clearly visible at daylight.

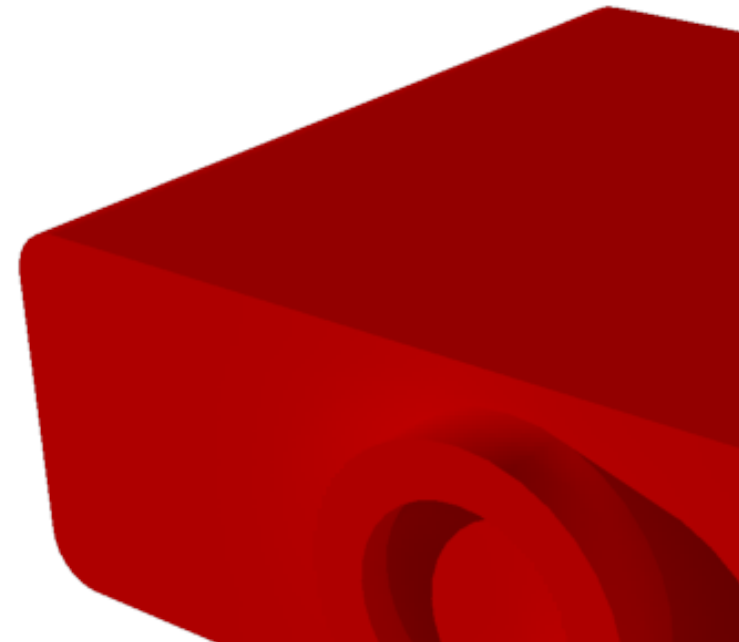


## PLACING RESEARCH INTO LIGHT



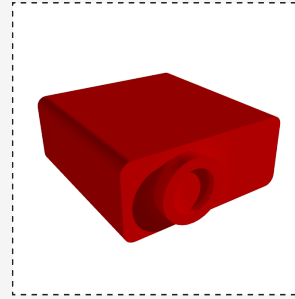
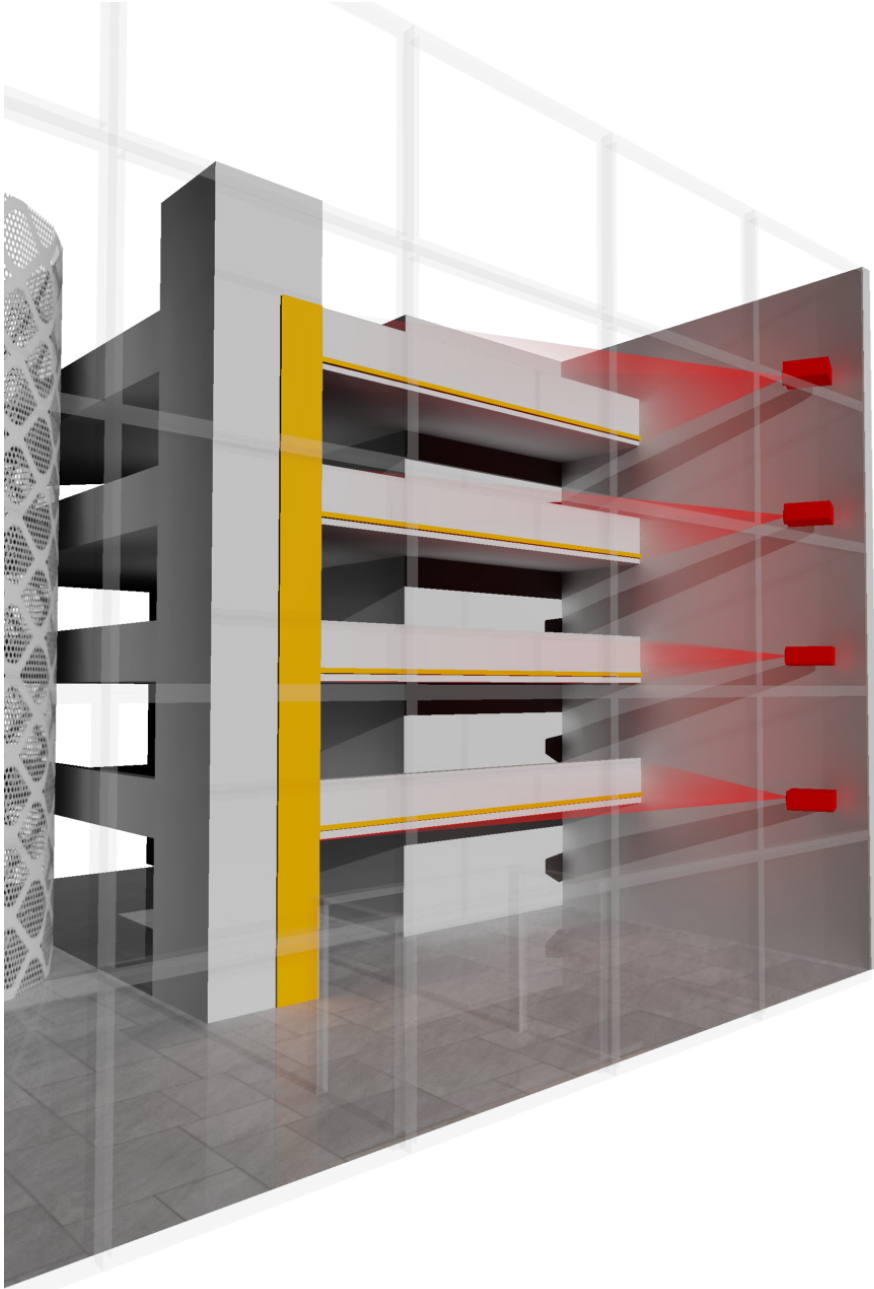
### Illumination

An array of projectors can cast moving illumination to the elevator shaft and the galleries leading to the northern home bases.



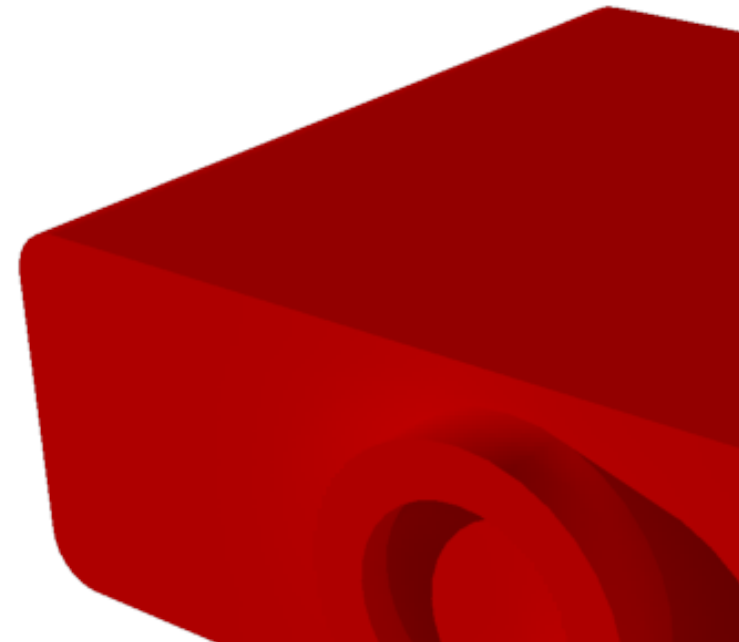


## PLACING RESEARCH INTO LIGHT

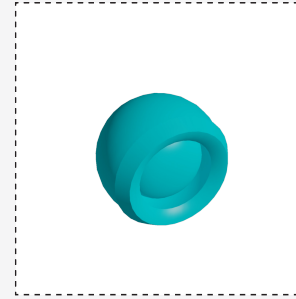
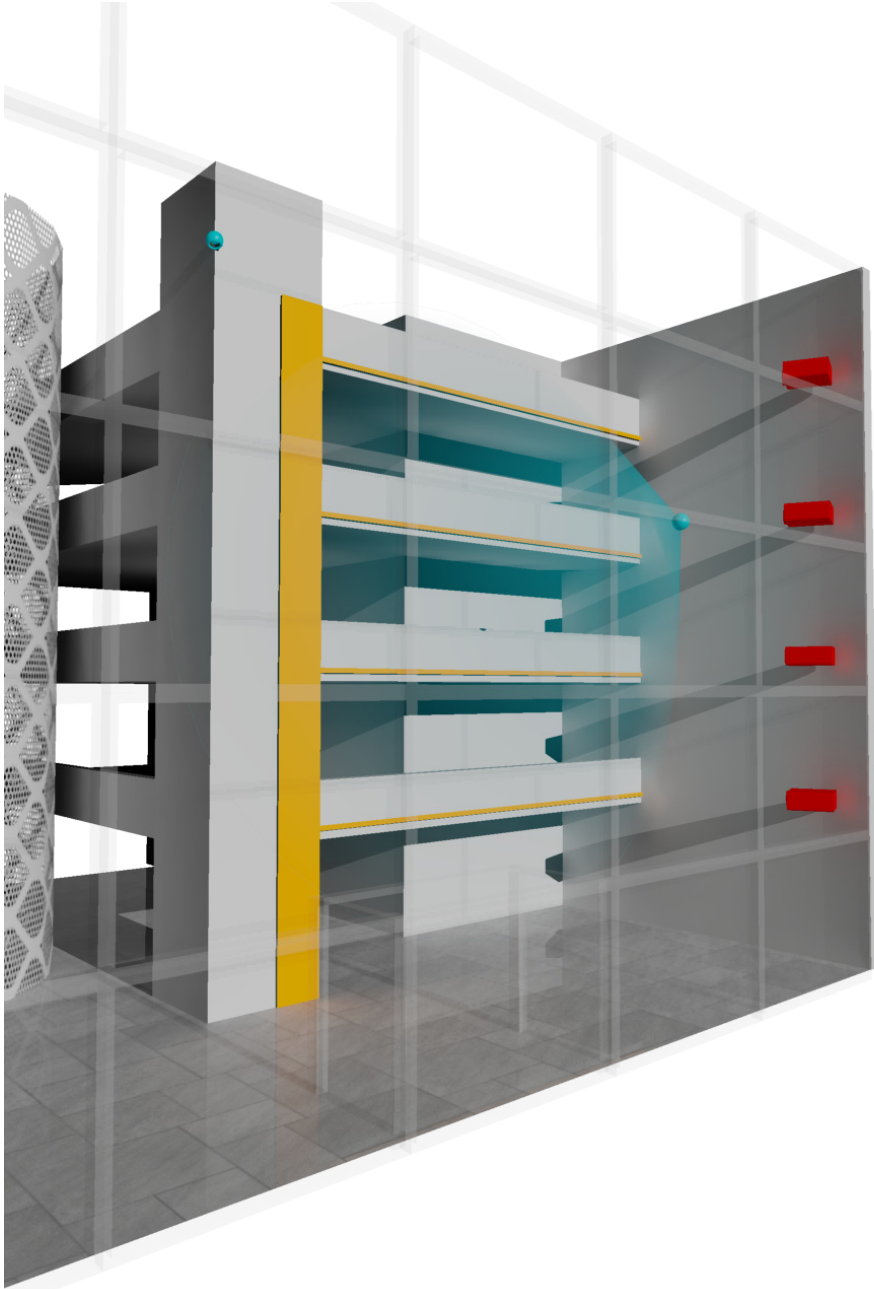


### Illumination

The projectors are only activated when light conditions allow. They turn the very architecture of the lobby into one huge screen.



## PLACING RESEARCH INTO LIGHT

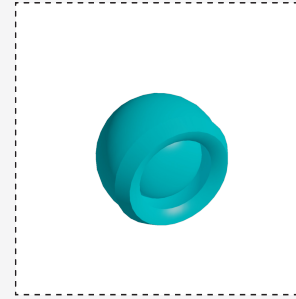
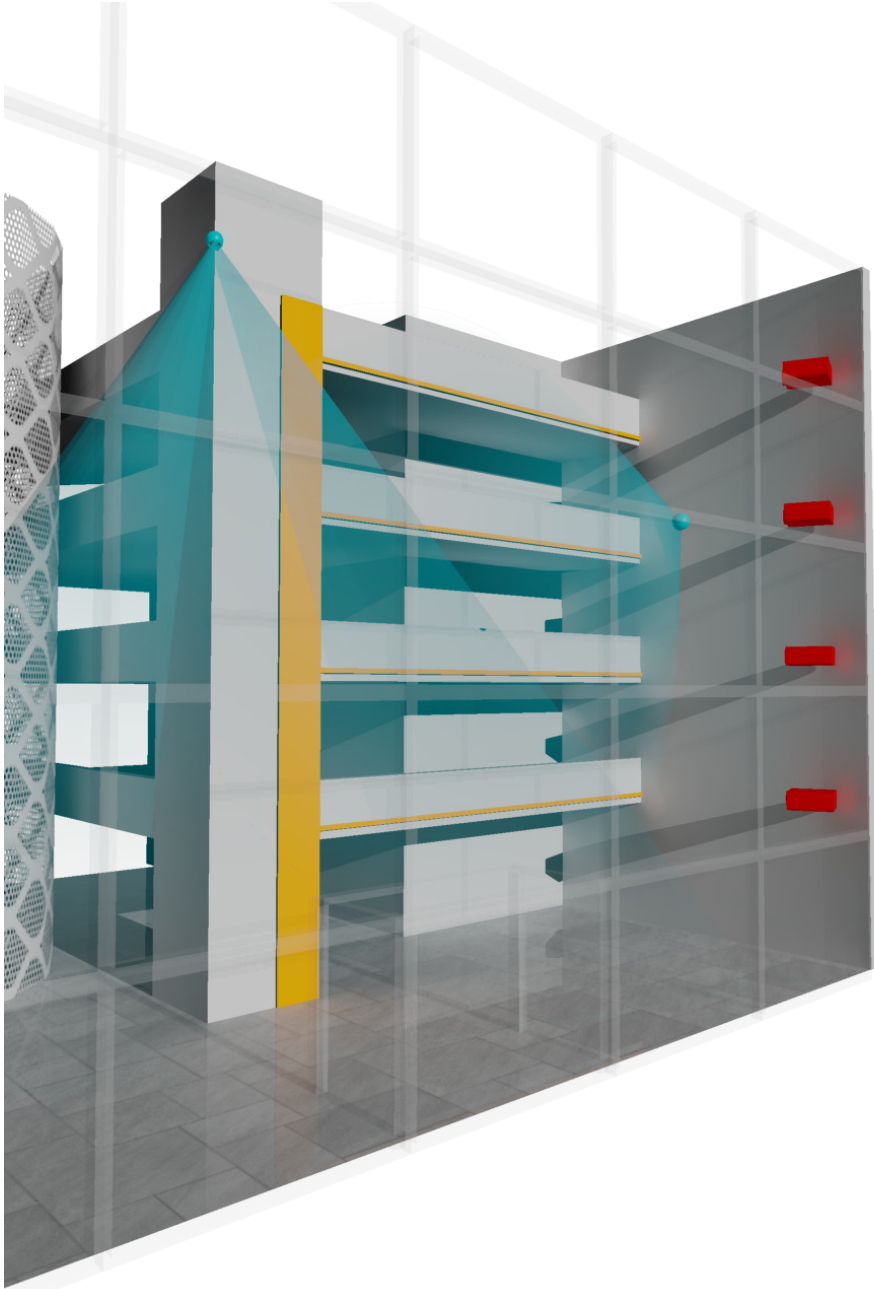


### Motion Detection

Motion trackers will observe movements and gatherings of people.



## PLACING RESEARCH INTO LIGHT

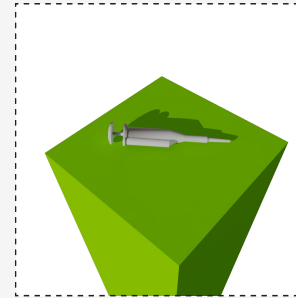
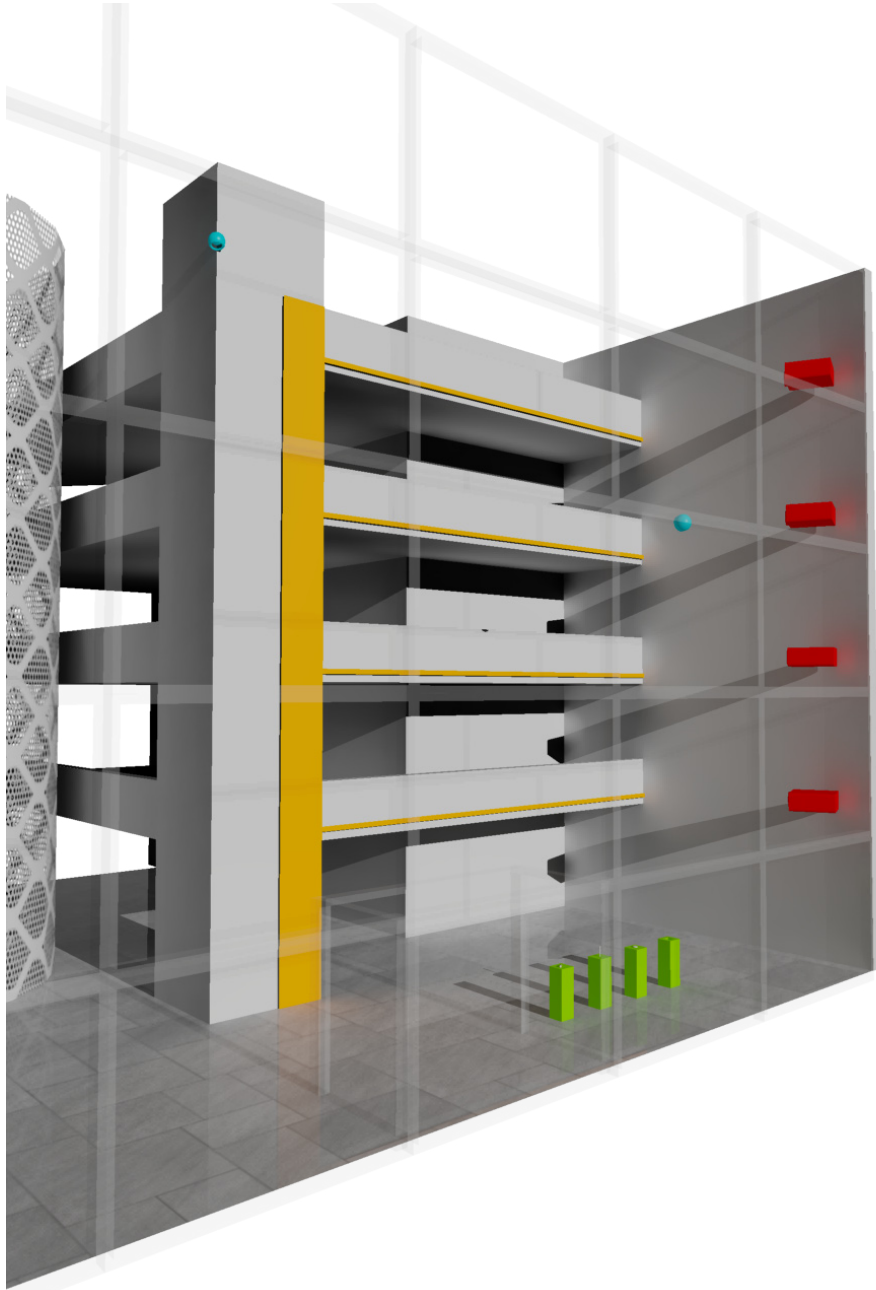


### Motion Detection

So the illumination can be depended on current general activity in the lobby.

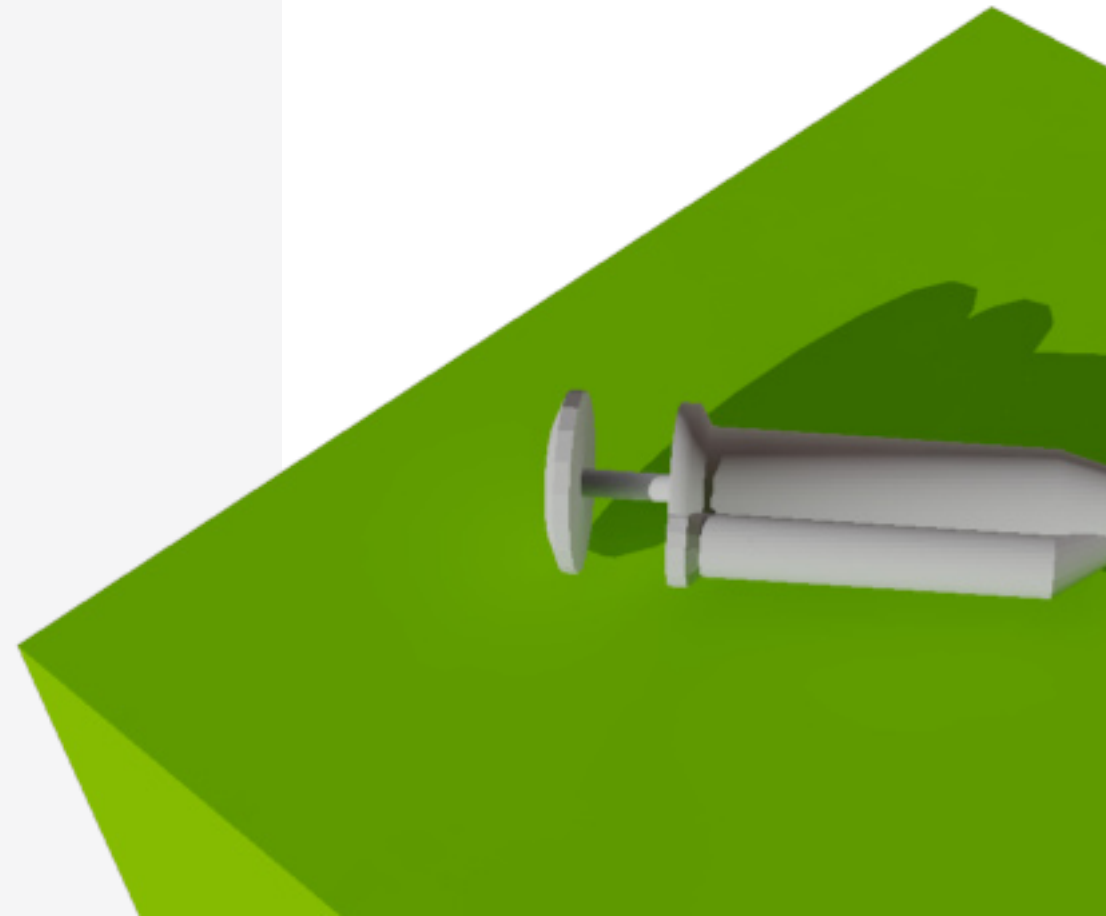


## PLACING RESEARCH INTO LIGHT

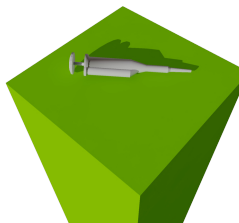
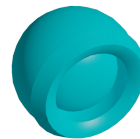
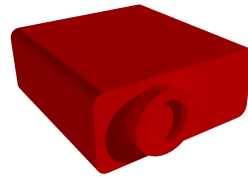
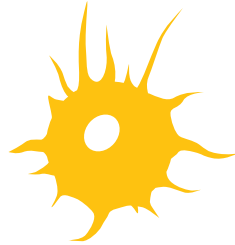
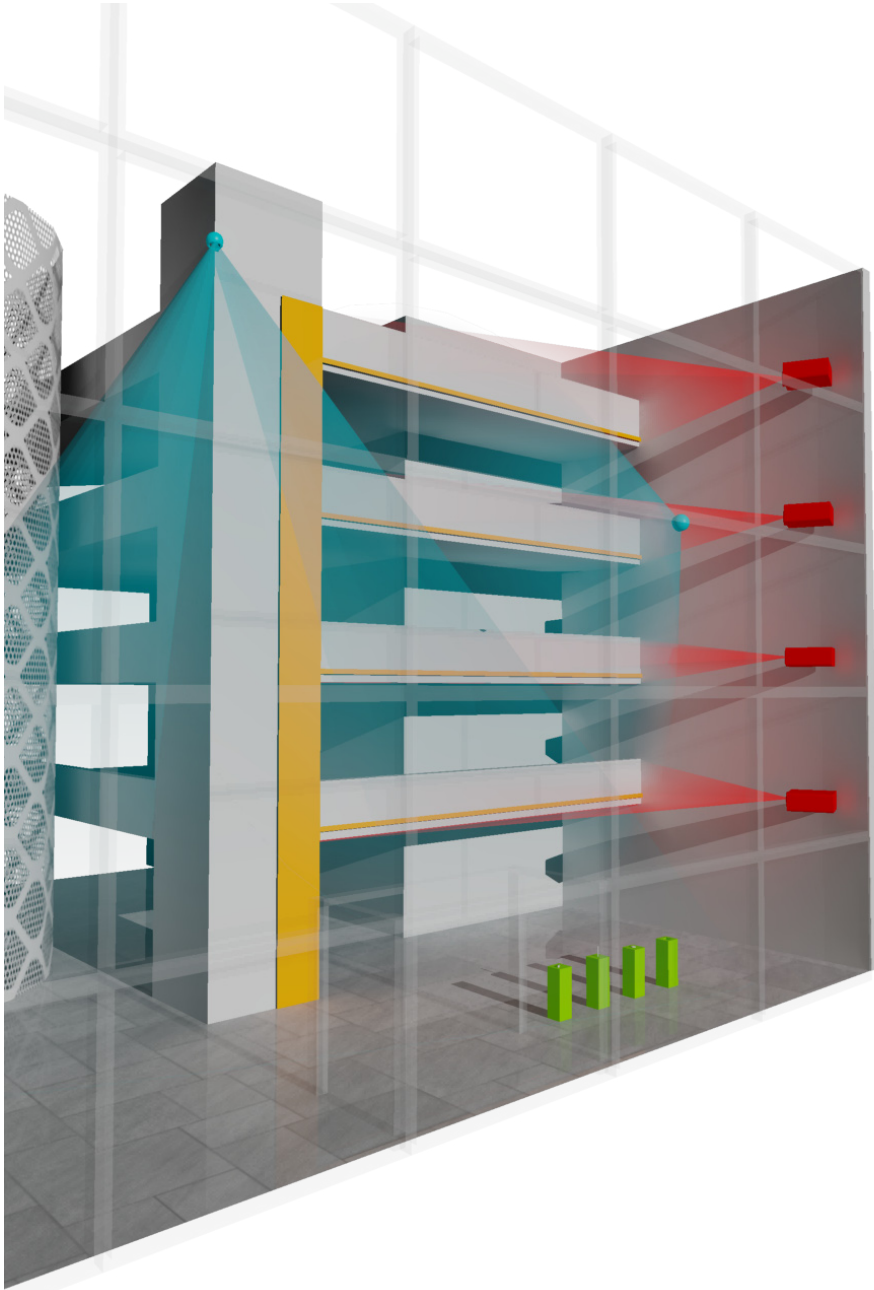


### Direct Interaction

Four hands-on terminals allow easy and direct interaction with the the projected illumination. All terminals can be themed to lab instruments that are used in everyday research.



## PLACING RESEARCH INTO LIGHT



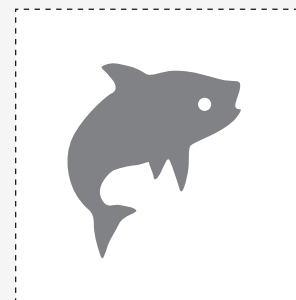
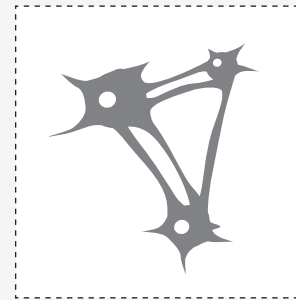
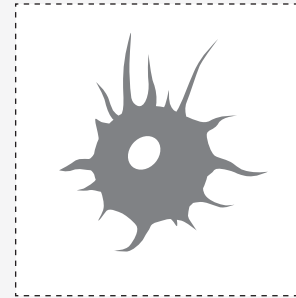
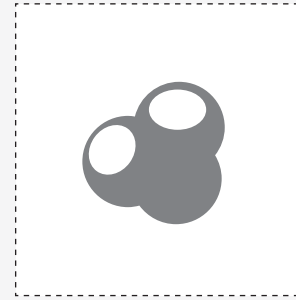
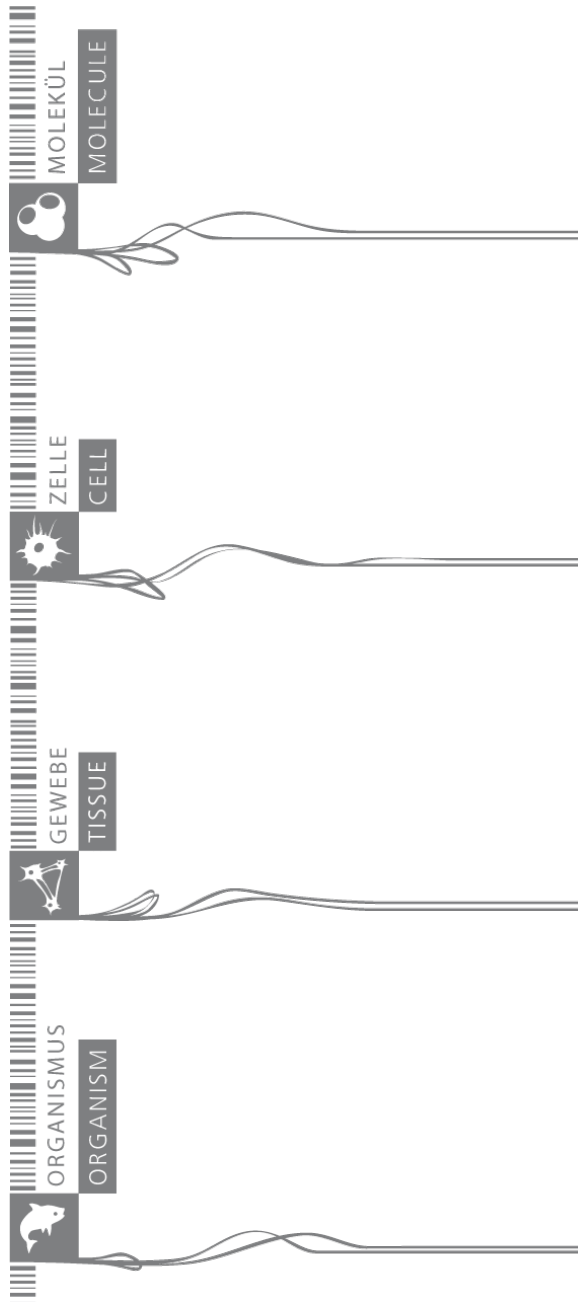
### Connecting the Pieces

As research meets art and cutting edge multimedia technology several benefits are offered:

- \* Tight integration with the architecture and its people (yes, you)
- \* Ambient illumination of the lobby at night and twilight
- \* Visual explanation of the field of CBG-research
- \* Playful introduction to the experiments carried out in the labs



## PLACING RESEARCH INTO LIGHT



### Levels of Detail

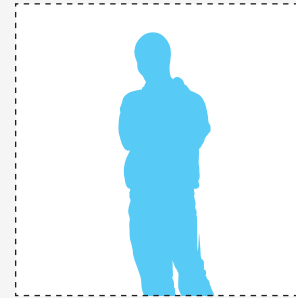
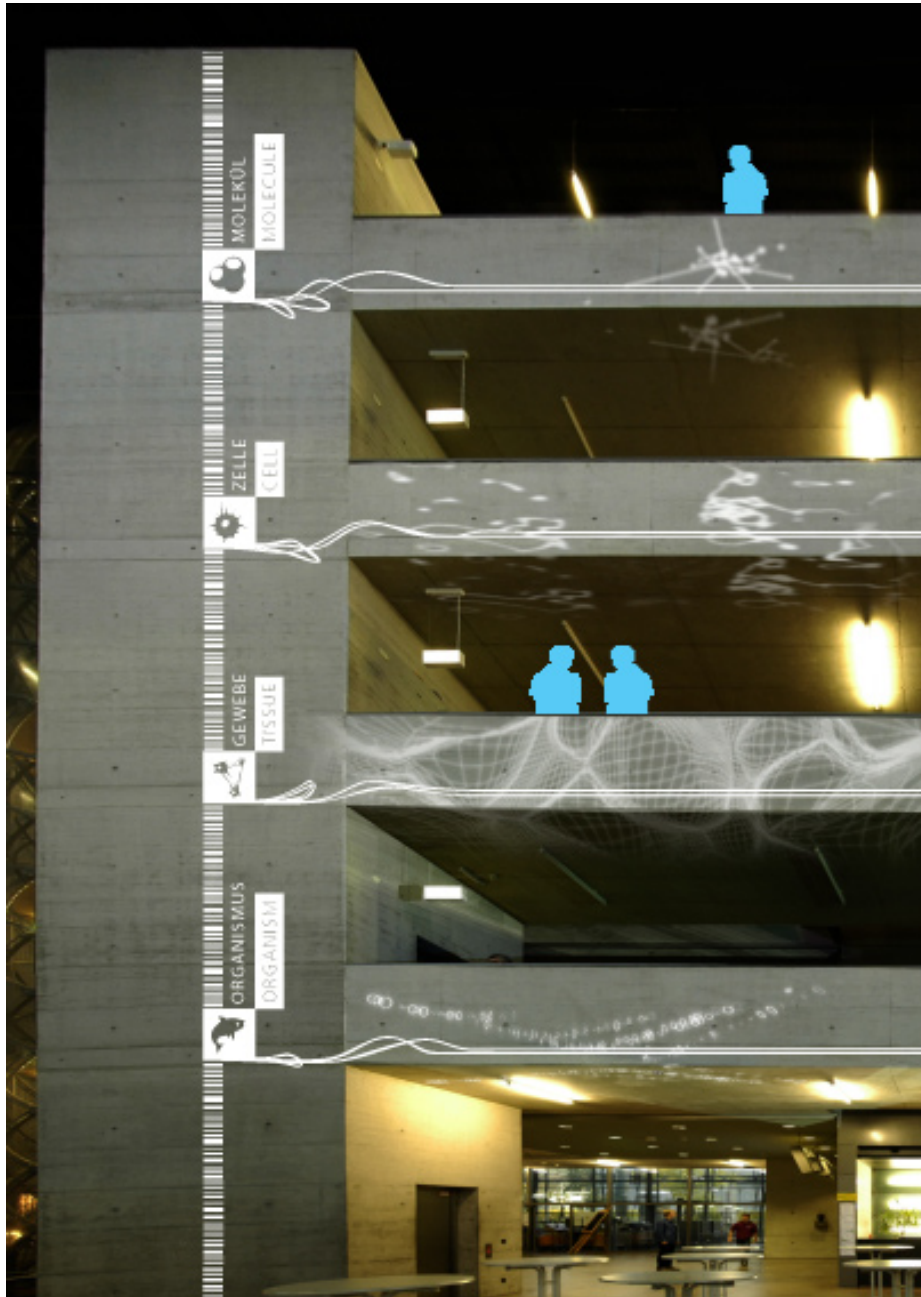
It is size that makes the research of molecular cell biology both hard and interesting. Scaling from entire organisms down to nanostructures, and still making the connections in between is what makes the CBG special.

Hence we theme each gallery with one out of four size levels:

- \* Molecule - 1nm
- \* Cell - 1 $\mu$ m
- \* Tissue - 1mm
- \* Organism - 1m

The size levels are ordered from bottom to top, decreasing exponentially in size and growing in abstraction.

## PLACING RESEARCH INTO LIGHT



### Motion Detection

Everytime somebody walks down the galleries his movements are detected and the projected life will react in various ways.

0,000000001 m

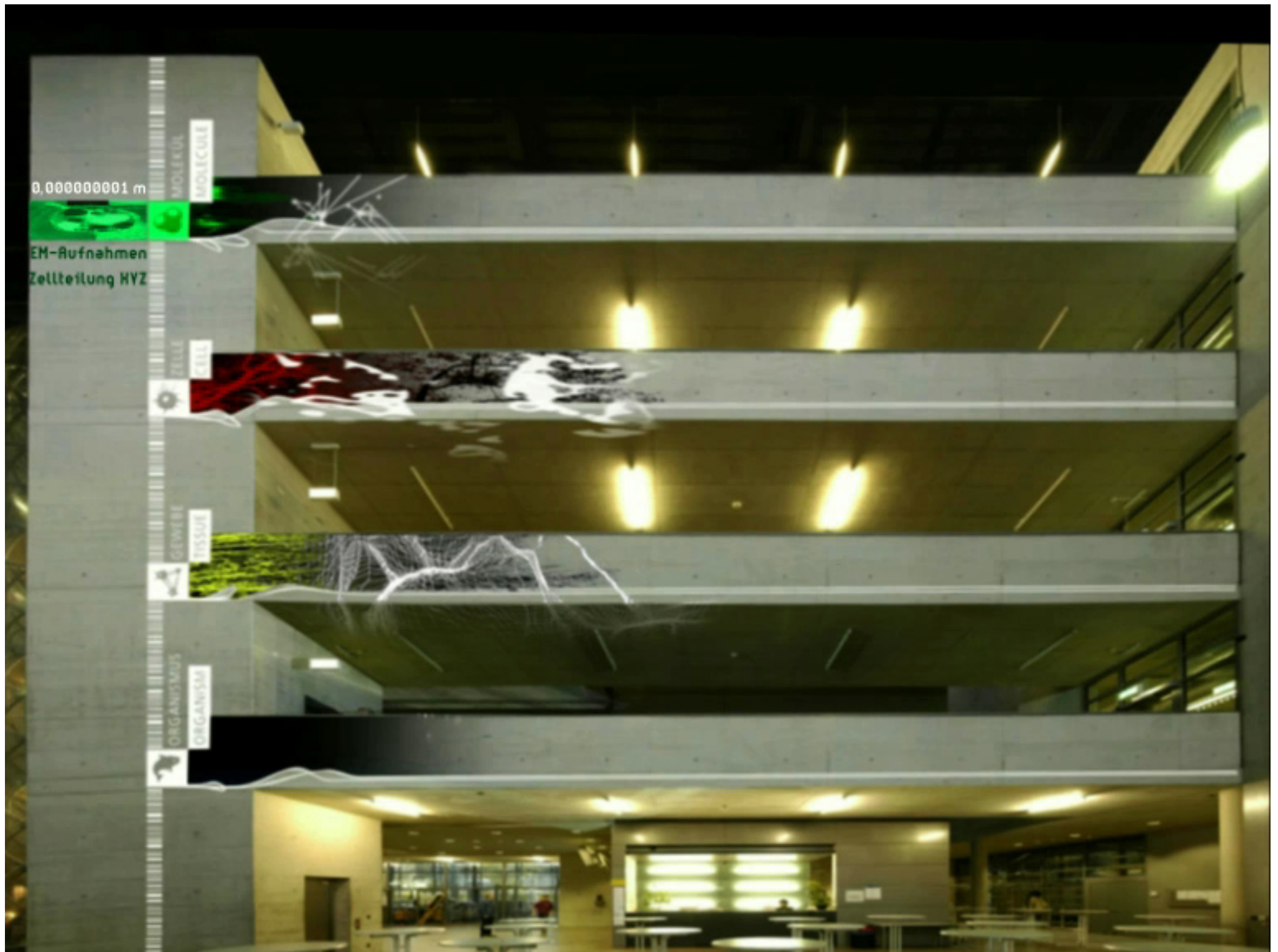
EM-Aufnahmen  
Zellteilung HVZ

MOLEKÜL  
MOLECULE

ZELLE  
CELL

GEWEBE  
TISSUE

ORGANISMUS  
ORGANISM



# PLACING RESEARCH INTO LIGHT



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