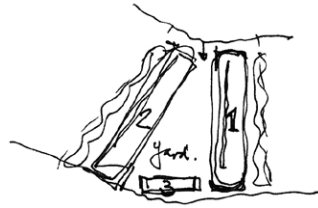
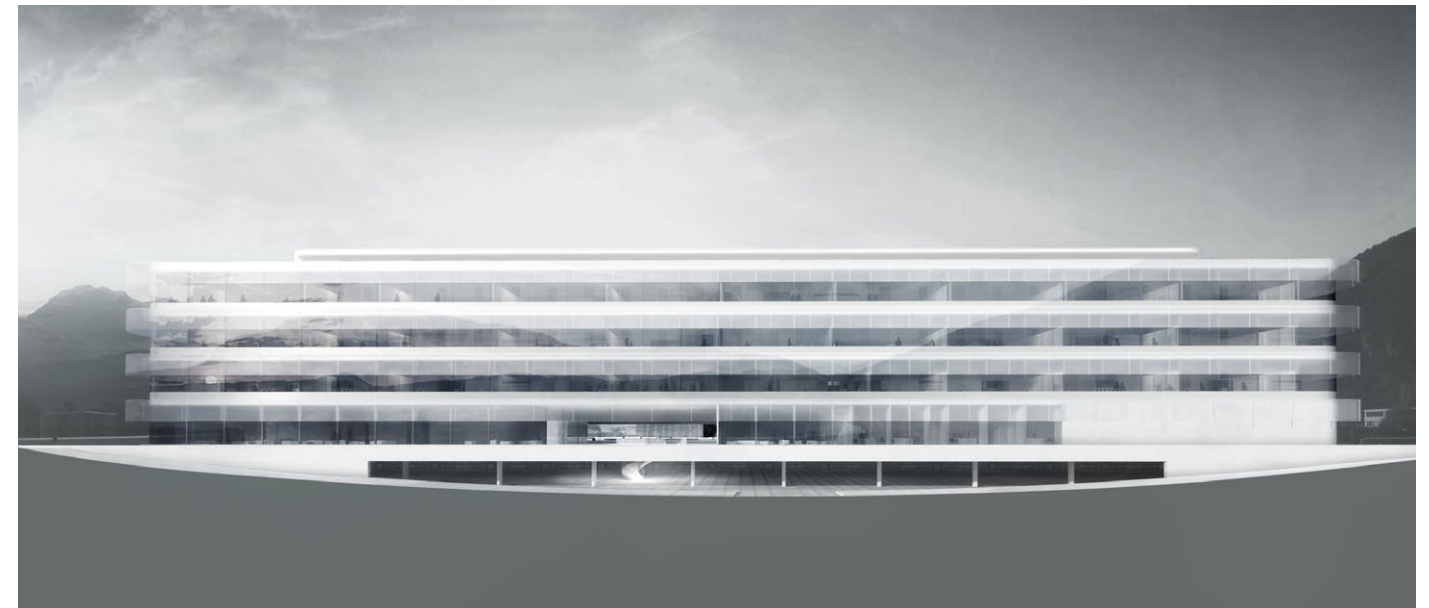


**Institute of Biomedicine Research (IRB) for  
University della Svizzera italiana**



Bellinzona, Switzerland



**Publication's title:** Institute of Biomedicine Research,  
Bellinzona  
**Typology:** Research, Education and Culture, Offices  
**Client:** Institute for Research in Biomedicine IRB  
**Surface:** 7.059 m<sup>2</sup>  
**Year:** 2014  
**Status:** Competition. 2nd position

**REPORT**

The building takes the form of an elongated volume, on the North South direction, and it is located in the center of the available area. On the East side entrances and exits to the parking take place.

We also propose to rotate the future building and to create a triangular space, a courtyard that acts as a recognizable site for the small campus, as a recreation area and as a contact between researchers and users of the entire complex.

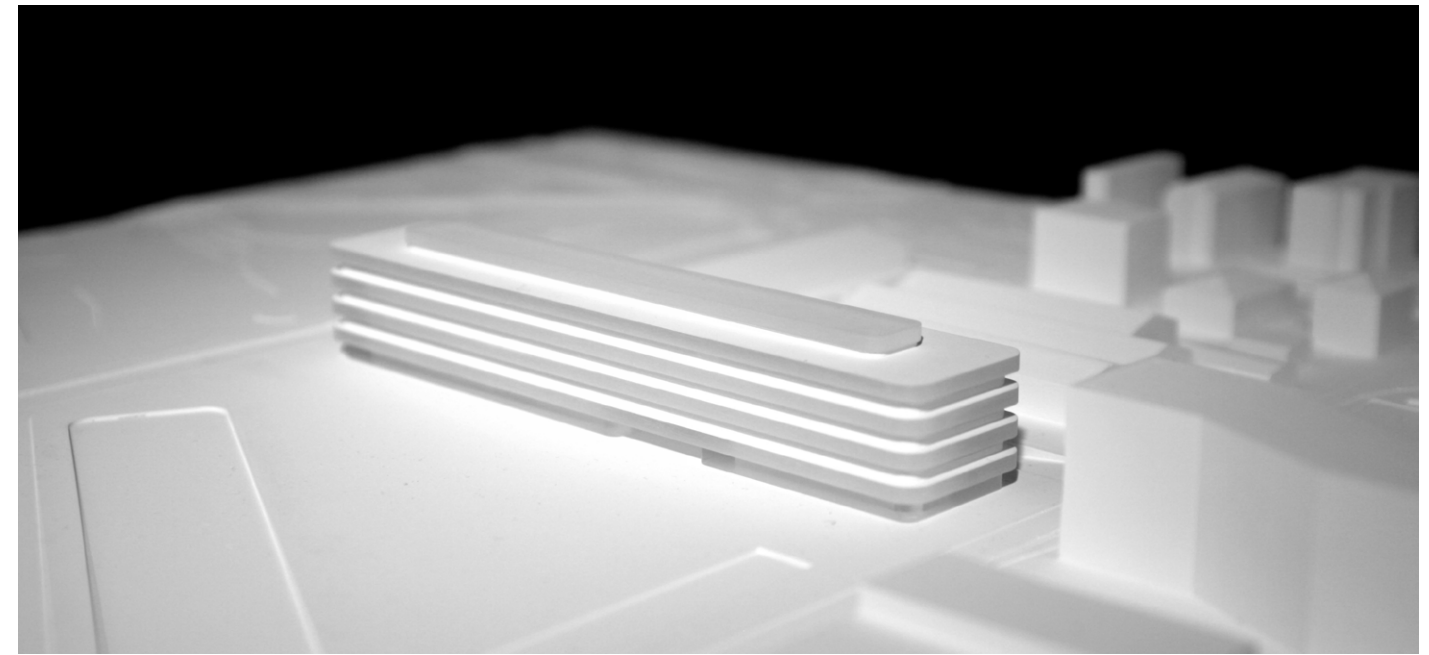
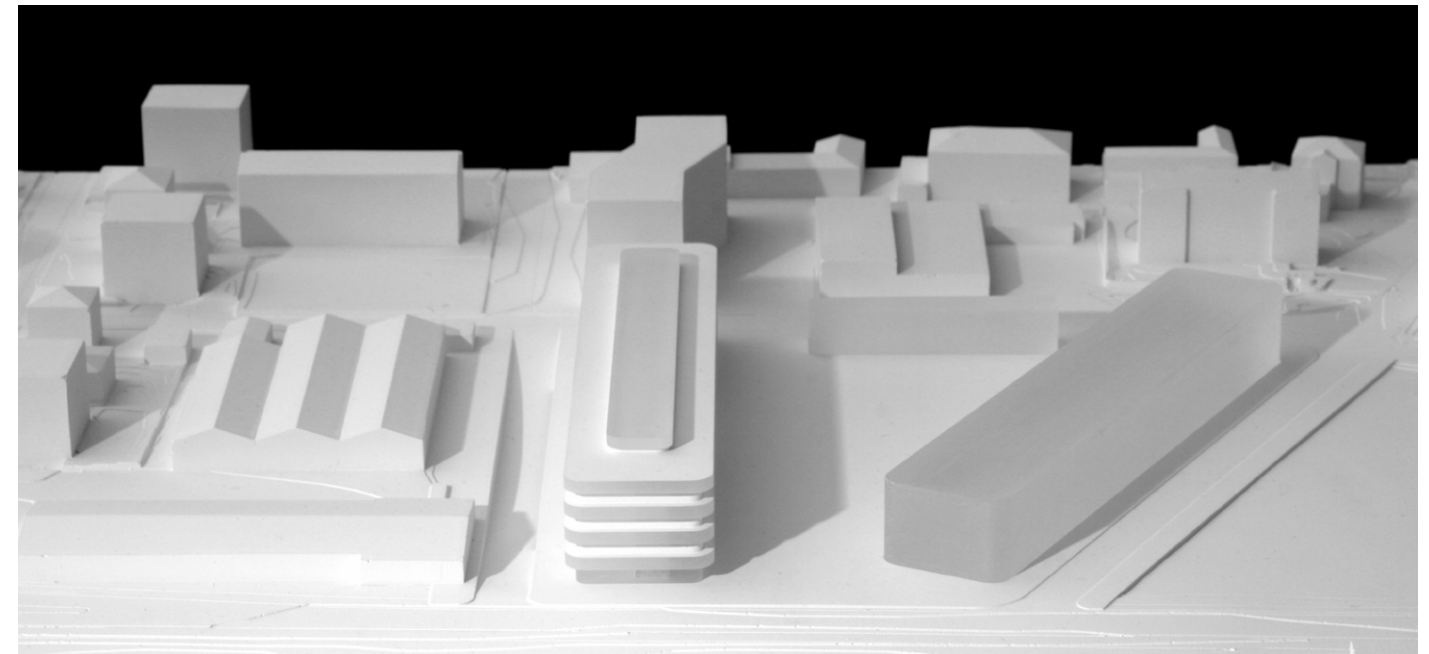
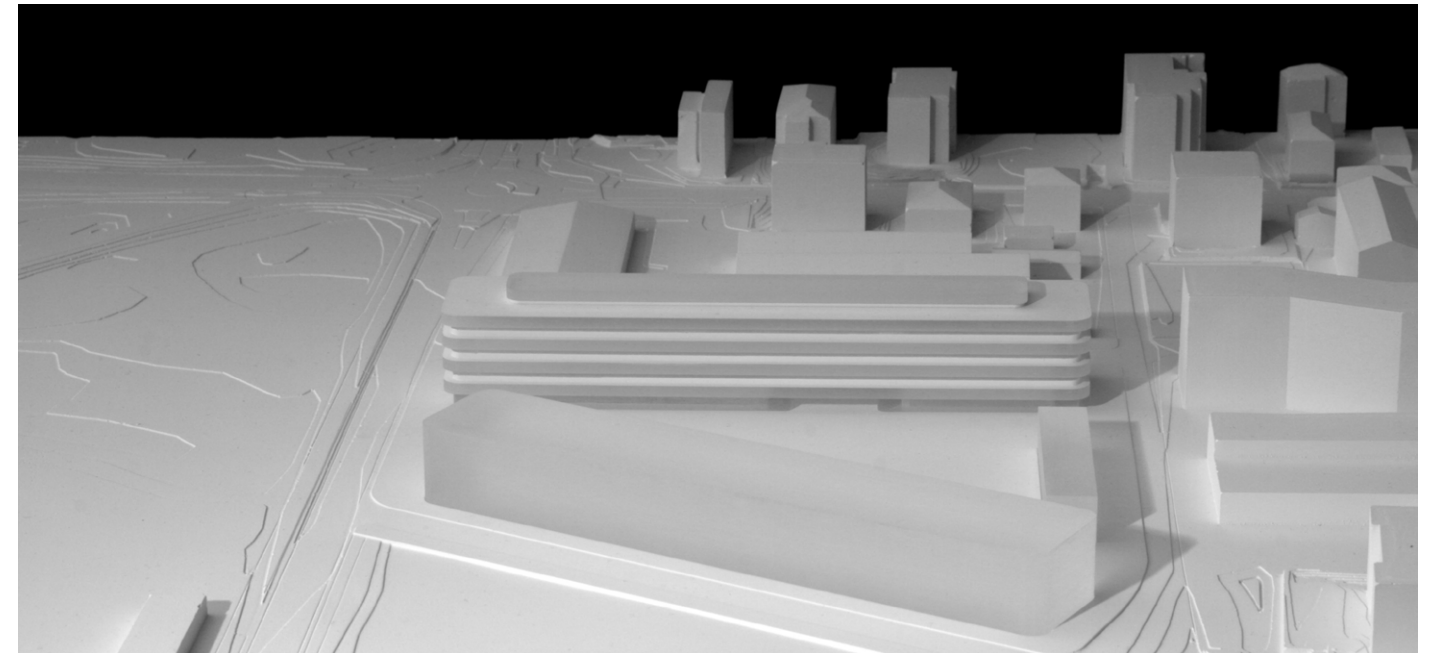
It is not common to start talking of the underground floors of a building, however within this project, it has a great importance since the logical position of a large portion of the program is in the underground levels.

The level -1, that houses the parking, was the subject of particular attention. The access, probably the most widely used access of the building, is through a gentle wooded slope, avoiding the appearance of a conventional ramp. The ground floor houses the public uses and access. From a transversal East West passage, a generous circular staircase creates a connection to the level -1. The most public spaces, the cafeteria, auditorium and nursery, are located on the south part of the passage.

Thus, the plan seems to be the most appropriate for the project. It generates a longitudinal spine composed of all the necessary fixed elements: from the vertical circulations to the technical areas, to the services and other auxiliary contents.









Third floor



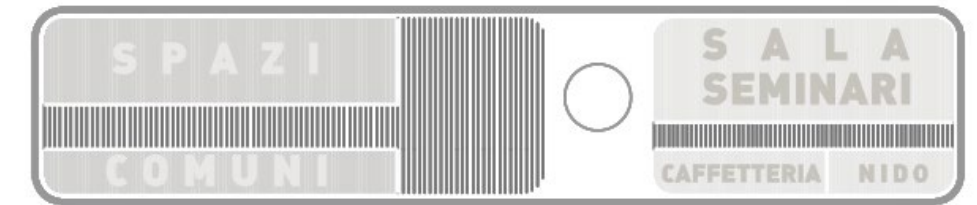
Second floor



First floor



Ground floor

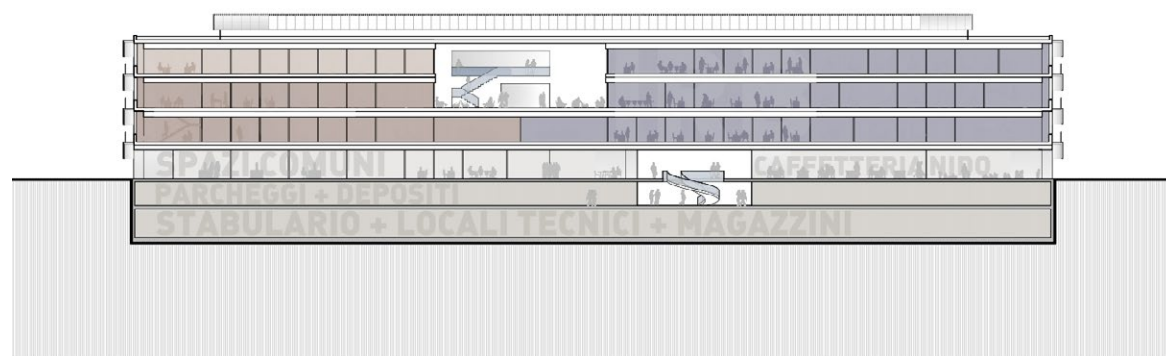


Level -1



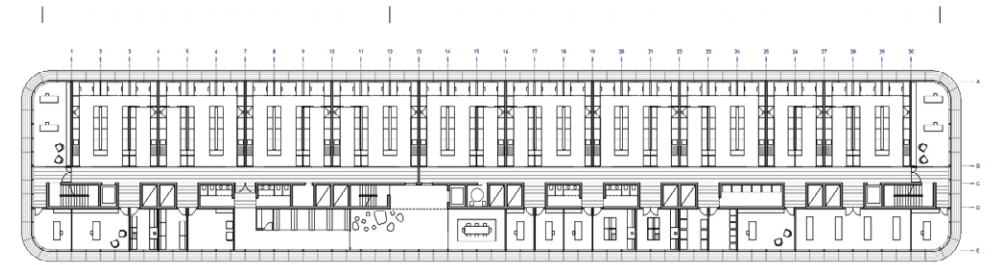
Level -2



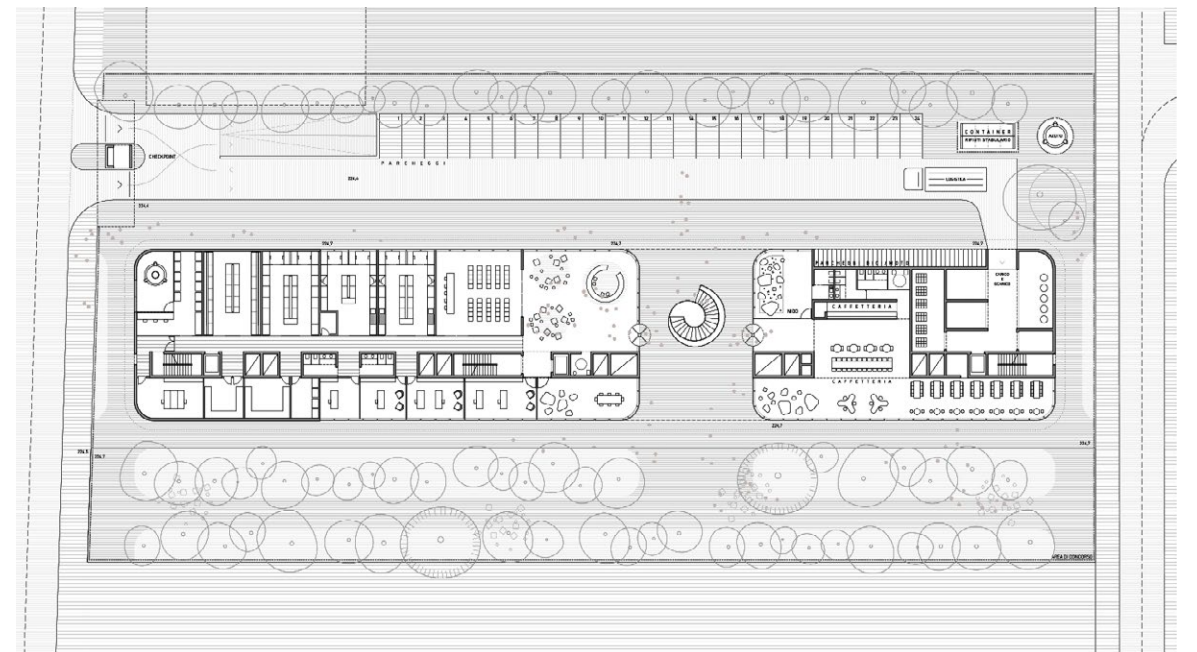


Sections

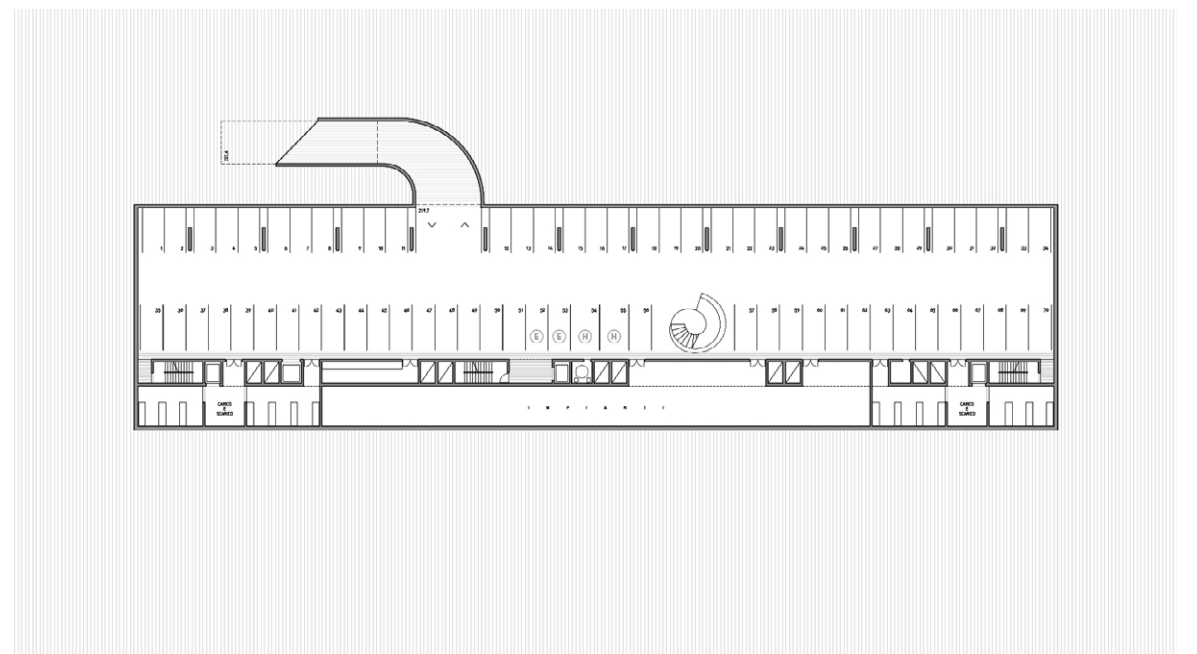
First floor



Ground floor



Level -1



Institute of Biomedicine Research (IRB) for University della Svizzera italiana. Bellinzona, Switzerland

1. riparo solare in vetro con inserti fotovoltaici
2. supporto anti-vento per i ripari solari in vetro:  
tondino in  
acciaio pieno ogni 160cm
3. profilo in acciaio h 130mm con piastra di  
aggancio alla trave in C.A.:  
un profilo ogni 160cm
4. griglia metallica
5. tenda interna contro l'abbagliamento
6. pannello metallico antiscivolo, calpestabile  
(camminamento riservato alla manutenzione)
7. parapetto, tondino metallico
8. vetro triplo antisfondamento:  
pellicola oscurante nel vetro più interno solo  
fino ad altezza  
delle scrivanie interne
9. pannello isolante sp.12cm
10. trave portante in C.A., h 110cm
11. telaio di sostegno dei vetri: profili in acciaio da  
120x50mm.  
Profili verticali ogni 160cm
12. pilastro in acciaio riempito di calcestruzzo,  
misure 15x27cm,  
passo strutturale di 320cm
13. vetrate scorrevoli divisorie
14. controsoffitto schermato
15. soletta in C.A. sp. 36cm
16. materassino isolante sp. 4+2cm con  
possibilità di  
incorporare canali elettrici
17. betoncino flottante autolivellante sp. 9cm
18. finitura pavimentazione sp.2cm

MAIN DATA

|          |   |
|----------|---|
| Client:  | Institute for Research in Biomedicine IRB             |
| Address: | Via Francesco Chiesa, 2. 6500 Bellinzona, Switzerland |
| Type:    | Research, Education and Culture, Offices              |
| Status:  | Competition. 2nd position                             |

DATAS

|                    |      |
|--------------------|------|
| Competition:       | 2014 |
| Design of project: | -    |
| Construction:      | -    |
| Implementation:    | -    |

SURFACES

|                  |  |
|------------------|--|
| Site:            | 2.545 m <sup>2</sup>                   |
| Main building:   | 4.556 m <sup>2</sup> Department spaces |
| Other buildings: | 2.503 m <sup>2</sup> Common spaces     |
| TOTAL:           | 7.059 m <sup>2</sup>                   |

PROJECT TEAM

|                           |  |
|---------------------------|--|
| Main Architect:           | Cruz y Ortiz Arquitectos   |
| Collaborators:            | Giordano Baly, Oscar García de la Cámara, Claudia Scimia, Ludovica Patriarca, Federcio Cherchi |
| Local Architect:          | Giraudi Radczuweit   |
| Interior design:          | Cruz y Ortiz Arquitectos   |
| Lighting design:          | -  |
| Landscape architect:      | -  |
| Restoration architect:    | -  |
| Digital imaging:          | Cyan Animatica   |
| Model:                    | -  |
| Photography:              | -  |
| Structural engineering:   | Fuerst Laffranchi GmbH   |
| Climate engineer:         | Visani Rusconi Talleri   |
| Building physics advisor: | -  |
| Fire safety specialist:   | Studio d'ingegneria Tami Cometta & Associati   |
| Health and Safety:        | -  |
| Urban planning:           | -  |
| Survey:                   | -  |
| Site control:             | -  |
| Contractors:              | -  |
| Laboratory specialist:    | Laborplaner TonelliAG  |

