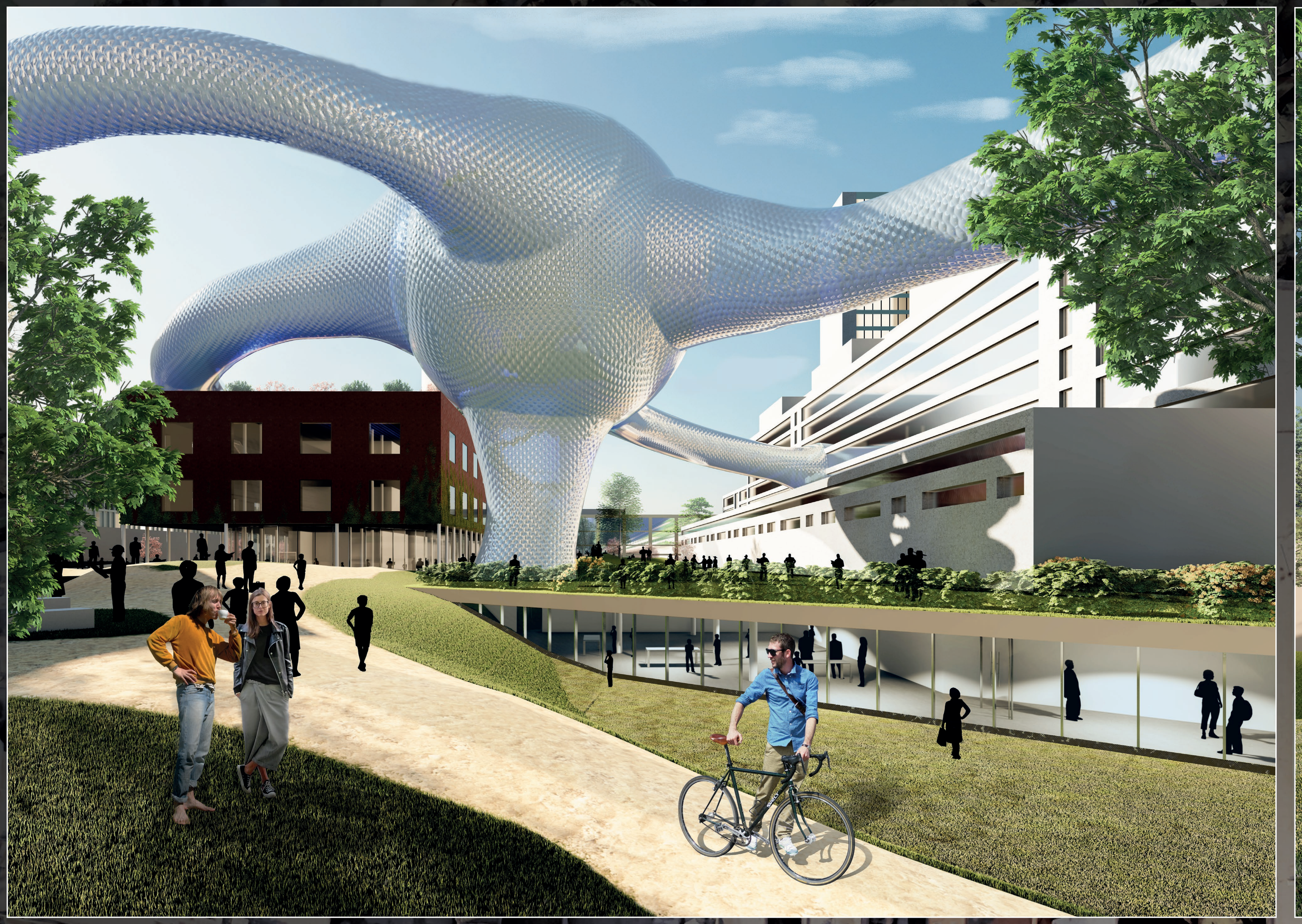

CENTER OF INNOVATION IN BRATISLAVA
TRANSFORMATION OF THE COUTRYARD

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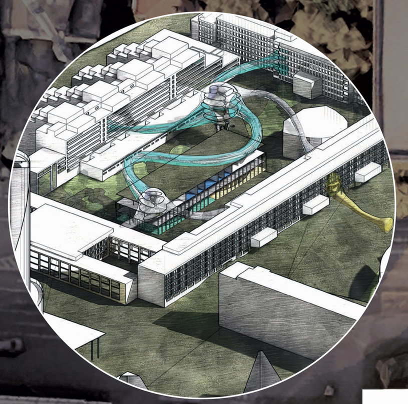
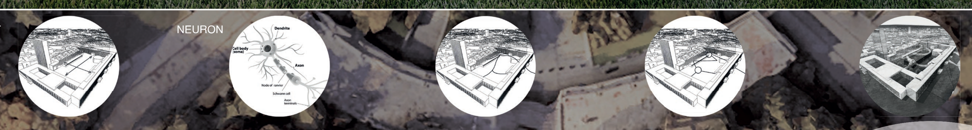
STUDIO LÉDL / HÁJKOVÁ

The assignment for this project was transformation of the Slovak Technical University (STU) courtyard and design place for more functions, which would represent the STU as the biggest Slovak technical university. Our Idea was to create a place, where all of the student of STU could meet, relax, study and enjoy their time at the university. The concept was influenced by the neuron cells. Their shape and functionality led us to our mass solution. The majority of the space was needed by Innovative Interdisciplinary Research Center STU. We have placed them into the Spheres inside the courtyard and connected them with the other faculties and the former Heavy Laboratories. We have increased the Heavy Laboratories building by one floor. In this new floor, we have placed the new administrative offices of the rectorate in connection to the Innovative Interdisciplinary Research Center STU. The third Sphere works as the connection between the university and public environment. We placed a small coffee place there, which is accessible with a tube straight from Freedom Square. Our design focuses also on the environmental impact. We are using membrane construction with summer and winter modes in order to work efficiently with heat gains and losses. The membrane offers to light up with different colours.



CONCEPT

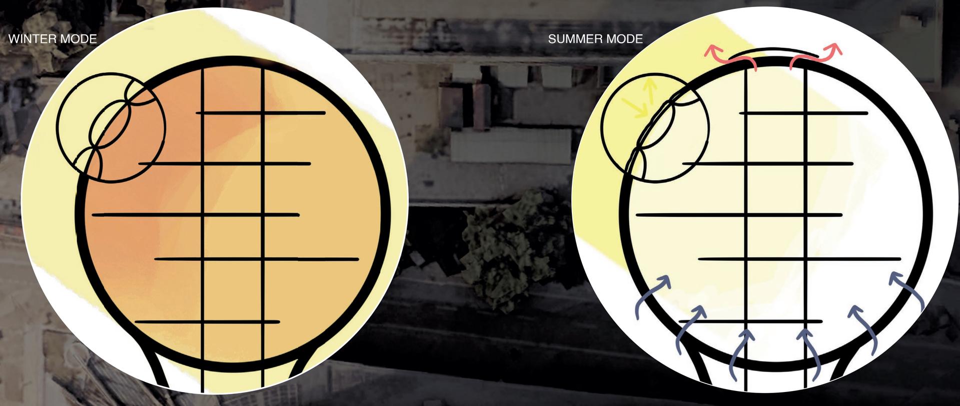
NEURON



- Workshops — 370 m²
- Media library, study rooms — 470 m²
- Catering, restaurants, coffee — 1300 m²
- Info services, entrance area, Social, exhibition and multipurpose spaces — 1250 m²
- Administrative offices of the rectorate in connection to research — 1060 m²
- Innovative Interdisciplinary Research Center STU, Startup center, cooperation with practice, Presentation (experiential) center of science and research — 3700 m²
- Underground garage — 240 car parking lots — 7000 m²
- Bike parking — 135 m²
- Technical background — 300 m²

WINTER MODE

SUMMER MODE

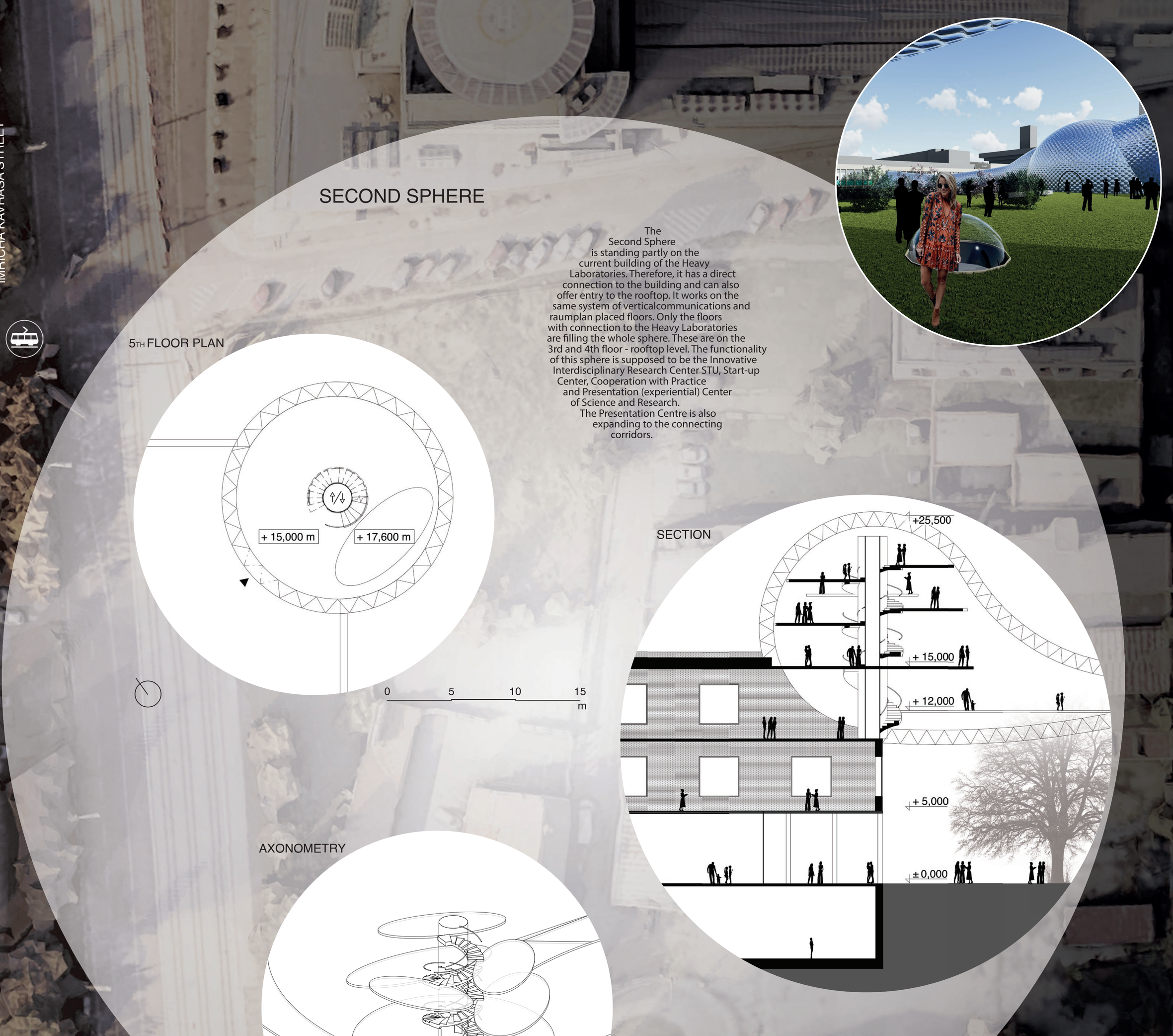


FIRST SPHERE

The First Sphere is standing on one leg, which contains the elevator. The second tube goes from this Sphere straight to Freedom Square. This Sphere works as a connection between the public and university milieus. The public coffee place is here. This Sphere has two floors connected by spiral stairs. The floors are accessible from the Faculty of Technology, but do offer limited access only for students, teacher etc. This object is supposed to be a welcoming sculpture hanging over the main entrance to the University Block.

SECOND SPHERE

The Second Sphere is standing partly on the current building of the Heavy Laboratories. Therefore, it has a direct connection to the building and can also offer entry to the rooftop. It works on the same system of verticalcommunications and raumplan placed floors. Only the floors with connection to the Heavy Laboratories are filling the whole sphere. These are on the 3rd and 4th floor - rooftop level. The functionality of this sphere is supposed to be the Innovative Interdisciplinary Research Center STU, Start-up Center, Cooperation with Practice and Presentation (experiential) Center of Science and Research. The Presentation Centre is also expanding to the connecting corridors.



THIRD SPHERE

The Third Sphere is standing on one masive leg, which contains a tube with three elevators. This central vertical communication allows us to work with the entire sphere on the basis of Raumplan; we use eliptic floors, which are hanged on the inner truss on different high levels. The floors are connected with stairs and each floor is reachable by the elevator. All the elevators end in the underground parking. The first sphere was designed to be the biggest representative space for Innovative Interdisciplinary Research Center STU, start-up center, cooperation with practice and partially offering a place for Presentation (experiential) center of science and research which expands to the connecting tubes - corridors.