

## Radioactive Facility (Laboratory 350) Central Premises

The CNB Radioactive Facility is Category 2, non encapsulated sources type

### 1. Central Sections (3<sup>rd</sup> floor)

\* Airlock and hall of the central laboratory

\* Central radioisotopes laboratory n<sup>er</sup> 350. This laboratory is equipped with all the required means of shielding, containment and detection of ionizing radiation. It also has the following equipment:

- Burdinola RB cabin for beta radioisotopes
- Burdinola RG cabin for gamma radioisotopes
- Telstar BIOIIA/P biosafety class II cabin
- Binder CB150 CO<sub>2</sub> incubator
- Kontron Instruments T1065 ultracentrifuge
- Heraeus 28RS refrigerated centrifuge
- Beckman Coulter 22R refrigerated microcentrifuge
- Heraeus 13 microcentrifuge
- Savant SC100 speed vac
- Biometra hybridization oven

\* Close to the Central laboratory are the warehouses n<sup>er</sup> 352 and 353 for the controlled handling of radioactive waste contaminated with high energy beta and gamma isotopes respectively

### 2. Central Sections (underground floor)

\* Located in the Animal Facility is the Gamma Irradiator with a Cs-137 source of 1100 Ci activity

### 3. Central Sections (Ground level, near the CNB northern entrance)

\* External warehouse n<sup>er</sup> 3 for the controlled handling of radioactive waste contaminated with low-energy beta isotopes

## Special Waste warehousing

\* Located in an independent building, near the CNB loading / unloading dock

- Exterior n<sup>er</sup> 1: warehouse of toxic flammable waste
- Exterior n<sup>er</sup> 2: warehouse of toxic corrosive waste
- Exterior n<sup>er</sup> 6: warehouse of biosanitary waste