

# UNIT FOR CELLULAR AND GENE THERAPY

Professor Bernard Klein, Head



⇒ **Modify cells to confer on them new therapeutic properties**

➤ **Anti-tumor vaccination**

- Production of dendritic cells for tumor vaccination
- Production of anti-tumor lymphocytes

➤ **Regenerative medicine**

- Collection, freezing and expansion of hematopoietic progenitors
- Repair of heart muscle
- Future: cartilage repair, diabetes, neurodegenerative diseases, muscular dystrophies, genetic blindness



⇒ **370 m<sup>2</sup> of class 10000 clean rooms**

⇒ **2 P3 laboratories**

⇒ **Quality control laboratories**

⇒ **High security cryogeny room**

⇒ **High level of quality assurance**