CYTOSOL

**Encombrement moléculaire dans le cytosol**

 ([1](http://biocell.univ-nantes.fr/wp-content/uploads/2015/08/schema-cytosol-2015_Page_01.jpg))
Exemple du Golgi ([2](http://biocell.univ-nantes.fr/wp-content/uploads/2015/08/schema-cytosol-2015_Page_02.jpg),[3](http://biocell.univ-nantes.fr/wp-content/uploads/2015/08/schema-cytosol-2015_Page_03.jpg),[4](http://biocell.univ-nantes.fr/wp-content/uploads/2015/08/schema-cytosol-2015_Page_04.jpg),[5](http://biocell.univ-nantes.fr/wp-content/uploads/2015/08/schema-cytosol-2015_Page_05.jpg),[6](http://biocell.univ-nantes.fr/wp-content/uploads/2015/08/schema-cytosol-2015_Page_06.jpg),[7](http://biocell.univ-nantes.fr/wp-content/uploads/2015/08/schema-cytosol-2015_Page_07.jpg))

**Dégradation des constituants cellulaires : système ubiquitine-protéasome**

Protéasome ([8](http://biocell.univ-nantes.fr/wp-content/uploads/2015/08/schema-cytosol-2015_Page_08.jpg),[9](http://biocell.univ-nantes.fr/wp-content/uploads/2015/08/schema-cytosol-2015_Page_09.jpg)) Complexité génétique et structurale ([10](http://biocell.univ-nantes.fr/wp-content/uploads/2015/08/schema-cytosol-2015_Page_10.jpg)) Ubiquitination des protéines ([11](http://biocell.univ-nantes.fr/wp-content/uploads/2015/08/schema-cytosol-2015_Page_11.jpg)) Digestion par le protéasome ([12](http://biocell.univ-nantes.fr/wp-content/uploads/2015/08/schema-cytosol-2015_Page_12.jpg)) Dégradation des protéines du RE ([13](http://biocell.univ-nantes.fr/wp-content/uploads/2015/08/schema-cytosol-2015_Page_13.jpg)) Les différents rôles de l’ubiquitine ([14](http://biocell.univ-nantes.fr/wp-content/uploads/2015/08/schema-cytosol-2015_Page_14.jpg),[15](http://biocell.univ-nantes.fr/wp-content/uploads/2015/08/schema-cytosol-2015_Page_15.jpg))

**Dégradation des constituants cellulaires : autophagie**

Généralités ([16](http://biocell.univ-nantes.fr/wp-content/uploads/2015/08/schema-cytosol-2015_Page_16.jpg),[17](http://biocell.univ-nantes.fr/wp-content/uploads/2015/08/schema-cytosol-2015_Page_17.jpg),[18](http://biocell.univ-nantes.fr/wp-content/uploads/2015/08/schema-cytosol-2015_Page_18.jpg)) Les trois types d’autophagie :

Macro-autophagie ([19](http://biocell.univ-nantes.fr/wp-content/uploads/2015/08/schema-cytosol-2015_Page_19.jpg),[20](http://biocell.univ-nantes.fr/wp-content/uploads/2015/08/schema-cytosol-2015_Page_20.jpg),[21](http://biocell.univ-nantes.fr/wp-content/uploads/2015/08/schema-cytosol-2015_Page_21.jpg),[22](http://biocell.univ-nantes.fr/wp-content/uploads/2015/08/schema-cytosol-2015_Page_22.jpg),[23](http://biocell.univ-nantes.fr/wp-content/uploads/2015/08/schema-cytosol-2015_Page_23.jpg),[24](http://biocell.univ-nantes.fr/wp-content/uploads/2015/08/schema-cytosol-2015_Page_24.jpg),[25](http://biocell.univ-nantes.fr/wp-content/uploads/2015/08/schema-cytosol-2015_Page_25.jpg),[26](http://biocell.univ-nantes.fr/wp-content/uploads/2015/08/schema-cytosol-2015_Page_26.jpg)) Micro-autophagie ([27](http://biocell.univ-nantes.fr/wp-content/uploads/2015/08/schema-cytosol-2015_Page_27.jpg)) Autophagie médiée par les chaperonnes ([28](http://biocell.univ-nantes.fr/wp-content/uploads/2015/08/schema-cytosol-2015_Page_28.jpg)) Résumé ([29](http://biocell.univ-nantes.fr/wp-content/uploads/2015/08/schema-cytosol-2015_Page_29.jpg),[30](http://biocell.univ-nantes.fr/wp-content/uploads/2015/08/schema-cytosol-2015_Page_30.jpg)) Autophagie et mort cellulaire programmée ([31](http://biocell.univ-nantes.fr/wp-content/uploads/2015/08/schema-cytosol-2015_Page_31.jpg),[32](http://biocell.univ-nantes.fr/wp-content/uploads/2015/08/schema-cytosol-2015_Page_32.jpg)) Autophagie et pathologies ([33](http://biocell.univ-nantes.fr/wp-content/uploads/2015/08/schema-cytosol-2015_Page_33.jpg),[34](http://biocell.univ-nantes.fr/wp-content/uploads/2015/08/schema-cytosol-2015_Page_34.jpg))