

Faculty of Medicine



RPR2280

Radiogénétique

[15h]

Teacher(s): Vincent Grégoire
Language: French
Level: Second cycle

Main themes

General introduction: ionizing radiations, concepts of radiobiology.

Reminder of cellular and molecular biology: the genome, the cellular cycle, the intracellular communication.

Effect of ionizing radiations on the integrity of the genome: spectrum and distribution of the lesions, mechanisms of repair.

Ionizing radiations and apoptose: implication in carcinogenesis and therapy.

Syndromes of hyper-sensitivity to ionizing radiations: implication in carcinogenesis and therapy. Biological dosimetry: techniques, utility and limitation

Other credits in programs

ESP31DS/RM	Première année du diplôme d'études spécialisées en santé publique (Radioprotection: médecins du travail, candidats spécialistes)	Mandatory
RPR9CE/M	Certificat universitaire en radioprotection et en application des rayonnements ionisants (Radiopr pr Méd. du trav & ca spéc en radiothér-onc & md nuc)	Mandatory