

Responsable	Frank Bellivier					
Co-responsable	Marika Nosten-Bertrand					
Descriptif	Parcours type	Option	Niveau	Semestre d'enseignement	ECTS	Effectif maximal
	Neurosciences	Neurosciences Cognitives et Comportementales – NCC Neurosciences Cellulaires et Intégrées – NCI- Sciences de la Vision	M2	S3	3	35
Modalités pédagogiques	Volume horaire Cours	Volume horaire TD	Volume horaire TP	Présentiel/ Distantiel		
	10	20		Présentiel		
Objectifs	<p>Research in psychiatry is a highly dynamic and fast-moving field. This course aims to introduce students (clinicians and neuroscientists) to the study of etiopathogenic factors of neuro-psychiatric disorders.</p> <p>Techniques including epidemiological and molecular genetics, gene expression regulation, brain imaging, neuropsychology evaluation, animal models, and tools for gene x gene and gene x environment interactions are undergoing important developments in psychiatric disorders research. These will be illustrated by state-of-the-art results obtained in the study of various diseases: bipolar disorder, schizophrenia, suicidal behaviour, autism, intellectual disability, attention deficit and hyperactivity disorders.</p>					
Thèmes abordés	<p>Molecular genetics of psychiatric disorders Epigenetics and psychiatric disorders Animal models Pharmacogenetic and biomarkers of the response to the treatment Neuro-imaging Psychotic disorders and immuno-inflammatory hypothesis Autistic spectrum disorders and developmental hypothesis Suicidal behavior: a trans-nosographical entity Genetic of substance abuse disorders Bipolar disorders and circadian hypothesis</p>					
Compétences acquises à l'issue de l'UE (concepts, méthodologie et outils)	<p>Up date in psychiatry genetics : recent findings, technology, expected progress ... How to appreciate scientific publication : take home message, limits, strength and weakness.</p>					

Prérequis				
Modalités d'évaluation/100	Ecrit	Oral	CC	Autre
		Each student is evaluated twice: one article presentation and one article discussion. Each student receives two scientific articles from two different teachers: for one article, the student will give a 10 min PowerPoint presentation, followed by a 10 min discussion animated by another student. For the second article, the student is in charge of the animation of the discussion.		The presence is mandatory (and will be controled)
Langues utilisées	Dans les cours, TD, TP		Dans les documents, supports	
	English		English	
Localisation	Institut du Fer à Moulin			