

Cycle view of the study programme		Bl	Or	Th	Pr	Au	Cr
Compulsory courses (B1 : 56Cr, B2 : 30Cr)							
LANG0130-1	<i>Scientific English Practice (note-taking)</i> - Christine FILOT, Vincent SEUTIN, Sabine WISLET	B1	Q1	5	25	-	3
COMU0430-2	<i>Communication techniques</i> - Michael HERFS	B1	Q1	10	25	-	2
SBIM0486-2	<i>Experimental methodologies in living animals</i> - Pierre DRION	B1	Q1	25	10	-	4
BIOL0431-2	<i>Complement of normal and pathological cellular regulation</i> - Yvette HABRAKEN, Laurent NGUYEN, Agnès NOËL	B1	Q1	20	-	-	3
LABO0433-2	<i>Modern morphological methods in biomedical research</i> - Roland GREIMERS	B1	Q1	15	5	-	2
SANG0430-2	<i>Hematology and haemostasis</i> - André GOTHOT	B1	Q1	20	-	-	2
INFO0430-2	<i>Notions of bioinformatics</i> - Olivier PEULEN	B1	Q1	10	10	-	2
GENE0431-1	<i>Complement of genomics</i> - Michel GEORGES	B1	Q1	20	-	-	3
STAT0420-1	<i>Biostatistics 2</i> - AnneFrançoise DONNEAU	B1	Q1	15	15	-	2
RADL0440-1	<i>Radiobiology</i> - Chantal HUMBLET, Philippe MARTINIVE	B1	Q2	30	10	-	4
CHIM0440-2	<i>Clinical chemistry</i> - Etienne CAVALIER	B1	Q2	20	10	-	3
TOXI0432-1	<i>Complement of toxicology</i> - Raphaël DENOZ	B1	Q2	10	10	-	2
CHIM0433-1	<i>Proteomics</i> - Marianne FILLET, Pierre LEPRINCE, Gabriel MAZZUCHELLI	B1	Q2	20	10	-	3
NEUR0432-1	<i>Complement of neurobiology</i> - Pierre LEPRINCE	B1	Q2	20	10	-	3
METO0822-1	<i>Introduction to translational research</i> - Stéphane BERGHMANS, François JOURET	B1	Q2	30	-	-	3
STAT1750-1	<i>Multivariate statistical analysis</i> - AnneFrançoise DONNEAU	B2	Q1	10	15	-	2
MMEM0440-1	<i>Final thesis</i> - COLLÉGIALITÉ Prerequisite : MSTG0430-3 - Stage en laboratoire	B2	Q2	-	-	-	28
Specific Module							
MSTG0430-3	<i>Placement in laboratory</i> - COLLÉGIALITÉ - [140h Internship]	B1	Q2	5	-	[+]	15
Optional courses (B1 : 4Cr, B2 : 30Cr)							
Choose one of the following courses : (B1 : 2Cr)							
BIOC0210-5	<i>Functional properties of biological macromolecules</i> - André MATAGNE - [10h Mon. WS]	B1	Q1	20	-	[+]	2
BIOC0720-2	<i>Structure of biological macromolecules</i> - Paulette CHARLIER - [5h Mon. WS]	B1	Q1	15	-	[+]	2
BIOC0709-4	<i>Bioenergetics</i> - Pierre CARDOL, Fabrice FRANCK	B1	Q1	20	-	-	2
BIOC0725-1	<i>Stem Cell Biology</i> - Renaud VANDENBOSCH	B1	Q1	20	-	-	2
Choose one of the following courses : (B1 : 2Cr)							
BIOC0722-1	<i>Application of spectroscopic techniques to the study of folding and stability of proteins</i> - André MATAGNE - [10h Mon. WS]	B1	Q2	20	-	[+]	2
CHIM0687-1	<i>Introduction to protein NMR</i> - Christian DAMBLON - [10h Mon. WS]	B1	Q2	10	-	[+]	2
CHIM0688-1	<i>Mass spectrometry</i> - Gauthier EPPE, JeanFrançois FOCANT, Loïc QUINTON - [10h Mon. WS]	B1	Q2	15	-	[+]	2
BIOL2029-1	<i>Introduction to clinical biology</i> - Etienne CAVALIER, Corinne CHARLIER, André GOTHOT, Pierrette MELIN	B1	Q2	20	-	-	2

Study programmes 2018-2019
Faculty of Medicine
Master in biomedicine (120 ECTS)

Choose one focus from the following : (B2 : 1Nbr)

Research Focus (B2 : 30Cr)

Choose one option from the following : (B2 : 1Nbr)

Notice : the subjects are organised pending a minimum of students registered in the study programme, number to be defined at the beginning of the academic year.

A. Digestive system and nutrition - Coordinator: Nicolas Paquot (B2 : 30Cr)

Notice : all courses in this option could be given in English.

SBIM0430-1	<i>Methods in vivo and in vitro concerning gastrointestinal tract</i> - Olivier PEULEN	B2	Q1	15	10	-	4
SBIM0431-1	<i>Diseases of the digestive tract and food allergies/intolerances. Pediatric and adult aspects</i> - Jean DELWAIDE, Edouard LOUIS, Vincent RIGO	B2	Q1	30	-	-	4
NUTR1002-1	<i>Nutrition, elements of dietetics and pathologies</i> - <i>Nutrition of the elements of dietetics</i> - Nicolas PAQUOT - <i>Nutrition and pathologies</i> - Nicolas PAQUOT	B2	Q1	10	-	-	8
NUTR1001-1	<i>Food - Health</i> - Véronique DELCENSERIE, MarieLouise SCIPPO Corequisite : NUTR1002-1 - Nutrition, éléments de diététique et pathologies SBIM0436-1 - Technologie des denrées alimentaires, législation et étiquetage	B2	Q1	20	-	-	3
QUAL0436-1	<i>Quality assurance linked to foodstuffs</i> - <i>partim I : aspects chimiques</i> - MarieLouise SCIPPO - <i>partim II : aspects biologiques</i> - Georges DAUBE	B2	Q1	7,5	-	-	2
PHAR0331-4	<i>Pharmacognosy, Part I, including phytochemical introduction to the analysis of foodstuffs</i> - <i>Phytochemical introduction and primary metabolites</i> - Michel FREDERICH - <i>Phytochemical introduction to secondary metabolites</i> - Michel FREDERICH	B2	Q1	7	-	-	2
SBIM0436-1	<i>Dietary technology, legislation and labelling</i> - <i>Legal basis of quality management and food sanitary safety</i> - Antoine CLINQUART - <i>Specific legislation relating to food labeling</i> - Antoine CLINQUART - <i>Specific supplement for biomedicine</i> - Antoine CLINQUART Corequisite : NUTR1001-1 - Aliments-Santé NUTR1002-1 - Nutrition, éléments de diététique et pathologies	B2	Q1	4	-	-	2
SBIM0437-4	<i>Biosafety</i> - Willy ZORZI	B2	Q1	10	5	-	1
SBIM0439-1	<i>Bibliographic research</i> - Nathalie JACOBS Prerequisite : LANG0130-1 - Pratique de l'anglais scientifique II	B2	TA	-	-	-	4

B. Biological analyses - Coordinator : Etienne Cavalier (B2 : 30Cr)

Notice : Courses QUAL0430, MICR0431, SBIM0450, SBIM0452, SBIM0453, SBIM0454, SBIM0437 could be given in English.

QUAL0430-2	<i>Quality assurance systems in clinical biology</i> - Etienne CAVALIER Prerequisite : CHIM0440-2 - Chimie clinique	B2	Q1	10	5	-	3
MICR0431-2	<i>Clinical microbiology</i> - Pierrette MELIN	B2	Q1	15	10	-	3
IMMU0430-1	<i>Immunoassay</i> - Benaïssa ELMOUALI	B2	Q1	5	10	-	3

SBIM0450-1	<i>Complement of clinical chemistry</i> - Etienne CAVALIER Prerequisite : CHIM0440-2 - Chimie clinique	B2	Q1	15	10	-	4
SBIM0451-2	<i>Molecular diagnosis</i> - Frédéric LAMBERT	B2	Q1	15	25	-	4
SBIM0452-1	<i>Cellular and molecular biology of acute and chronic inflammation</i> - Alain CHARLOT	B2	Q1	15	-	-	3
SBIM0453-1	<i>Complement of haematology</i> - André GOTHOT Prerequisite : SANG0430-2 - Hématologie et hémostase	B2	Q1	15	-	-	3
SBIM0454-1	<i>Monitoring renal pathologies</i> - Etienne CAVALIER Prerequisite : CHIM0440-2 - Chimie clinique	B2	Q1	10	-	-	2
SBIM0437-4	<i>Biosafety</i> - Willy ZORZI	B2	Q1	10	5	-	1
SBIM0439-1	<i>Bibliographic research</i> - Nathalie JACOBS Prerequisite : LANG0130-1 - Pratique de l'anglais scientifique II	B2	TA	-	-	-	4

C. Pharmacology and toxicology - Coordinator : Julien Hanson (B2 : 30Cr)

Notice : courses PHAC0430, EPID0441, METO0441, SBIM0461, SBIM0437 could be given in English.

PHAC0430-2	<i>Special pharmacology</i> - Julien HANSON Corequisite : SBIM0460-1 - Introduction à la pharmacie galénique	B2	Q1	30	-	-	4
EPID0430-1	<i>Methodology of Clinical Trials</i> - Régis RADERMECKER	B2	Q1	10	-	-	2
EPID0441-1	<i>Pharmaco-epidemiology and Pharmaco-economics</i> - Olivier ETHGEN	B2	Q1	10	-	-	2
TOXI0441-1	<i>Experimental Toxicology</i> - Corinne CHARLIER Prerequisite : TOXI0432-1 - Compléments de toxicologie	B2	Q1	10	-	-	2
METO0441-1	<i>Methodology of Pharmaceutical Research</i> - Pierre FRANCOTTE	B2	Q1	15	10	-	3
SBIM0460-1	<i>Introduction to the Pharmaceutical Technology</i> - Géraldine PIEL	B2	Q1	15	10	-	3
BIOL2025-1	<i>Medical and pharmaceutical applications in molecular biology</i> - Alain CHARLOT	B2	Q1	10	-	-	2
SBIM0461-1	<i>Radiomarking and the medical and experimental use of tracers</i> - Mallory SALVÉ	B2	Q1	10	-	-	2
SBIM0462-1	<i>Pharmacology and addiction clinic</i> - Emmanuel PINTO	B2	Q1	10	-	-	2
SBIM0463-1	<i>Biocompatibility of implants and biomaterials</i> - Christian GRANDFILS	B2	Q1	25	-	-	3
SBIM0437-4	<i>Biosafety</i> - Willy ZORZI	B2	Q1	10	5	-	1
SBIM0439-1	<i>Bibliographic research</i> - Nathalie JACOBS Prerequisite : LANG0130-1 - Pratique de l'anglais scientifique II	B2	TA	-	-	-	4

D. Neurosciences - Coordinator : Rachelle Franzen (B2 : 30Cr)

Notice : courses SBIM0471, SBIM0472, SBIM0474, SBIM0477 could be given in English.

SBIM0470-1	<i>Principles of neuroendocrinology</i> - Charlotte CORNIL, AnneSimone PARENT	B2	Q1	20	-	-	3
SBIM0472-1	<i>In vivo methodology in neuroscience</i> - Rachelle FRANZEN Prerequisite :	B2	Q1	20	-	-	3

	SBIM0486-2 - Méthodologies expérimentales des animaux vivants								
	LANG0130-1 - Pratique de l'anglais scientifique II								
SBIM0473-1	<i>Functional neuro-anatomy in vertebrates</i> - Rachele FRANZEN	B2	Q1	30	-	-			3
	Prerequisite : NEUR0432-1 - Compléments de neurobiologie								
SBIM0474-1	<i>Biophysics and molecular biology of ion channels</i> - Lucien BETTENDORFF, Dominique ENGEL, Vincent SEUTIN	B2	Q1	20	-	-			3
NEUR0190-1	<i>Neurology</i> - Eric SALMON	B2	Q1	20	10	-			4
	Prerequisite : NEUR0432-1 - Compléments de neurobiologie LANG0130-1 - Pratique de l'anglais scientifique II								
PSYC0908-1	<i>Introduction to behavioral Neuroscience</i> (english language) - Julie BAKKER, Julie BAKKER	B2	Q1	20	-	-			3
SBIM0477-1	<i>Functional imagery in humans</i> - Gaëtan GARRAUX, Gilles VANDEWALLE	B2	Q1	16	4	-			3
SBIM0437-4	<i>Biosafety</i> - Willy ZORZI	B2	Q1	10	5	-			1
SBIM0001-1	<i>Neuro-inflammation and neuroimmunology</i> - Virginie NEIRINCKX	B2	Q1	15	-	-			3
SBIM0439-1	<i>Bibliographic research</i> - Nathalie JACOBS	B2	TA	-	-	-			4
	Prerequisite : LANG0130-1 - Pratique de l'anglais scientifique II								

F. Oncology and immunology - Coordinator : Agnès Noël (B2 : 30Cr)

Notice : Courses SBIM0480, SBIM0483, SBIM0484, SBIM0437 could be given in English.

SBIM0480-2	<i>Anatomical pathology of tumours</i> - Jorge ARRESE ESTRADA	B2	Q1	15	15	-			4
SBIM0481-2	<i>Molecular and cellular oncology</i> - Yvette HABRAKEN, Agnès NOËL - [35h SEM]	B2	Q1	15	-	[+]			6
	Prerequisite : BIOL0431-2 - Compléments de régulation cellulaire normale et pathologique								
SBIM0482-2	<i>Vaccination</i> - Laurence DELACROIX, N... - [15h SEM]	B2	Q1	10	5	[+]			4
SBIM0483-1	<i>Cytokine chemokine signalling</i> - Andy CHEVIGNÉ - [5h SEM]	B2	Q1	10	-	[+]			3
SBIM0484-1	<i>Immunology of tumours</i> - Nathalie JACOBS - [10h SEM]	B2	Q1	10	-	[+]			3
SBIM0492-1	<i>Preclinical cancer models</i> - Denis MOTTET - [10h SEM]	B2	Q1	5	-	[+]			3
SBIM0437-4	<i>Biosafety</i> - Willy ZORZI	B2	Q1	10	5	-			1
SBIM2001-1	<i>Metabolism of cancer</i> - Nor Eddine SOUNNI	B2	Q1	15	-	-			2
SBIM0439-1	<i>Bibliographic research</i> - Nathalie JACOBS	B2	TA	-	-	-			4
	Prerequisite : LANG0130-1 - Pratique de l'anglais scientifique II								

F. Multidisciplinary English - Coordinator : Vincent Seutin (B2 : 30Cr)

Notice : all courses will be given in English.

SBIM0494-1	<i>General introduction to cell biology</i> (english language) - Laurence DELACROIX - [15h Mon. WS, 15h Pers. Res.]	B2	Q1	16	-	[+]			4
	Prerequisite : GENE0431-1 - Compléments de génomique BIOL0431-2 - Compléments de régulation cellulaire normale et pathologique								
SBIM0495-1	<i>Molecular and cellular basis of disease</i> (english language) - Vincent SEUTIN - [10h Mon. WS, 40h Pers. Res.]	B2	Q1	20	-	[+]			7
SBIM0496-1	<i>Advanced techniques for diagnosis and prognosis</i> (english language) - François JOURET - [10h Mon. WS, 40h Pers. Res.]	B2	Q1	10	-	[+]			5

Prerequisite :

METO0822-1 - Introduction à la recherche translationnelle

SBIM0497-1	<i>New therapeutic approaches to disease</i> (english language) - Julien HANSON - [10h Mon. WS, 40h Pers. Res.]	B2	Q1	10	-	[+]	5
SBIM0498-1	<i>Critical evaluation of experimental data</i> (english language) - Sabine WISLET - [10h Mon. WS, 10h Pers. Res.]	B2	Q1	10	20	[+]	4
SBIM0499-1	<i>Thematic seminars</i> (english language) - Pierre CLOSE - [20h SEM]	B2	Q1	-	-	[+]	5

Professional Focus in Quality Assurance (B2 : 30Cr)

Notice : Some courses listed below may be given in English.

Coordinator : Philippe HUBERT

QUAL0431-1	<i>Internal and external audits</i> - Ahmed IGOUT	B2	Q1	10	20	-	3
QUAL0432-1	<i>Quality Assurance for IT systems</i> - Marc DENHAM	B2	Q1	5	-	-	1
QUAL0433-1	<i>Organisation and quality assurance in a trial laboratory</i> - Philippe HUBERT, Joëlle WIDART	B2	Q1	5	10	-	3
QUAL0434-1	<i>Validation of quantitative analysis methods</i> - Philippe HUBERT, Roland MARINI DJANG'EING'A	B2	Q1	10	10	-	2
QUAL0435-1	<i>Microbiological quality assurance of the environment</i> - Pierrette MELIN	B2	Q1	10	15	-	3
QUAL0436-1	<i>Quality assurance linked to foodstuffs</i> - <i>partim I : aspects chimiques</i> - MarieLouise SCIPPO - <i>partim II : aspects biologiques</i> - Georges DAUBE	B2	Q1	7,5	-	-	2
ESHY0057-1	<i>General Safety Organization</i> - Christine GRIGNET, Anne GROGNA	B2	Q1	14	-	-	2
STAT0730-3	<i>Biostatistics, Statistical analysis software</i> - AnneFrançoise DONNEAU	B2	Q1	10	16	-	2
GEST0188-1	<i>Determination and Recognition of Quality and Conformity</i> - Pierre DEWALLEF	B2	Q1	30	-	-	3
QUAL0430-1	<i>Quality assurance systems in clinical biology</i> - Etienne CAVALIER	B2	Q1	10	-	-	2
QUAL0438-1	<i>Good Manufacturing Practices (GMP)</i> (english language) - Eric CLASSENS, Lucas FOTSING, Philippe HUBERT, Roland MARINI DJANG'EING'A	B2	Q1	10	10	-	2
QUAL0439-1	<i>Chemical quality assurance of the environment</i> - Gauthier EPPE	B2	Q1	15	15	-	3
GEST2002-1	<i>Integrated approach to assessing the quality of care</i> - Marie ERPICUM, JeanBernard GILLET, Pierre GILLET	B2	Q1	4	16	-	2

Additional ECTS Master in biomedicine (120 ECTS)

Compulsory courses (B0 : 58Cr)

IMMU0001-2	<i>General immunology, Theory</i> - Catherine SADZOT	B0	Q1	15	-	-	2
TOXI0341-3	<i>Toxicological chemistry, Part I, Toxicological chemistry</i> - Corinne CHARLIER	B0	Q1	20	-	-	2
NEUR0430-1	<i>Principles of neurobiology</i> - Pierre LEPRINCE	B0	Q1	20	-	-	3
BIOC0006-1	<i>Principles of normal and pathological cellular regulation</i> - Agnès NOËL	B0	Q1	20	-	-	2
LANG5001-1	<i>Advanced English for Biomedical Science</i> (english language) - Yasmine BADIR, Jérôme GAILLARD, David LOMBARD,	B0	Q1	-	30	[+]	2

UDINO - [10h AUTR]

LABO0432-1	<i>Techniques for cells and tissue cultures</i> - Julie LECOMTE, Erik MAQUOI	B0	Q1	8	20	-	2
PHAC1001-2	<i>General pharmacology</i> - <i>Theory</i> - Vincent SEUTIN - <i>Pharmacology seminars for biomedicine</i> - Vincent SEUTIN - [4h SEM]	B0	Q1	20	-	-	3
				-	-	[+]	
IMMU0522-1	<i>Immunopathology</i> - Christophe DESMEDT, Michel MOUTSCHEN - [7h SI]	B0	Q2	10	-	[+]	2
BIOC0322-2	<i>Proteins biochemistry</i> - Sabine WISLET	B0	Q2	20	-	-	4
HISL0220-3	<i>Human histology</i> - Chantal HUMBLET	B0	Q2	20	10	-	4
BIOL0028-1	<i>Molecular biology</i> - Agnès NOËL	B0	Q2	55	40	-	9
MICR0330-4	<i>Medical microbiology</i> - MariePierre HAYETTE - [7h SI]	B0	Q2	25	10	[+]	3
CHIM0217-3	<i>Principles of clinical chemistry</i> - Etienne CAVALIER	B0	Q2	20	-	-	2
BIOC1004-2	<i>Normal and pathologic human Biochemistry and Physiology</i> - <i>Cardiovascular system</i> - Philippe KOLH - <i>Respiratory system</i> - Didier CATALDO - <i>Nervous system</i> - Gaëtan GARRAUX - <i>Nervous system - specific concepts in biomedicine</i> - Gaëtan GARRAUX - [2h Pr.]	B0	Q2	10	-	-	6
				10	-	-	
				20	-	-	
				-	-	[+]	
BIOC1004-3	<i>Normal and pathologic human Biochemistry and Physiology</i> - <i>Endocrine system and metabolism</i> - Philippe KOLH - <i>Digestive system</i> - Didier CATALDO - <i>Nephro-urinary system</i> - Didier CATALDO	B0	Q2	15	-	-	6
				15	-	-	
				10	-	-	
LANG5002-1	<i>Advanced English for Biomedical Science 2 (english language)</i> - Jérôme GAILLARD, Pascal MAQUINAY, Sébastien SCHOENMAECKERS, Andrea TUDINO - [10h AUTR]	B0	Q2	-	30	[+]	2
ANAP0120-4	<i>General pathological anatomy</i> - <i>Theory</i> - Philippe DELVENNE - <i>Practical work for biomedicine</i> - Philippe DELVENNE	B0	Q2	20	-	-	4
				-	6	-	
GENE0121-2	<i>Special medical genetics</i> - Vincent BOURS	B0	Q2	14	-	-	2