

Cycle view of the study programme

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Core curriculum courses (B1 : 34Cr, B2 : 56Cr)

Choose one of the two programmes: (B1 : 34Cr, B2 : 56Cr)

MASTER IN BIOMEDICINE, with focus (reformed programme) (B1 : 34Cr, B2 : 56Cr)

Core curriculum compulsory courses

GENE0431-2	<i>Introduction to Genomics</i> (english language) - Keith DURKIN - [10h APP]	B1	Q1	20	-	[+]	3
COMU0430-2	<i>Scientific communication skills</i> (english language) - Michael HERFS	B1	Q1	10	20	-	2
STAT0420-1	<i>Biostatistics 2</i> - AnneFrançoise DONNEAU	B1	Q1	15	15	-	2
BIOL0431-3	<i>Cellular and molecular biology of disease</i> (english language) - Alain CHARLOT, Laurent NGUYEN, Agnès NOËL, MarieJulie NOKIN - [20h APP]	B1	Q1	20	-	[+]	4
INFO9024-1	<i>Data interpretation in bioinformatics</i> (english language) - Arnaud LAVERGNE - [20h APP]	B1	Q1	10	-	[+]	3
SBIM2002-2	<i>Introduction to Oncology</i> (english language) - Christine GILLES, Nathalie JACOBS, Agnès NOËL, MarieJulie NOKIN, Nor Eddine SOUNNI - [4h AUTR]	B1	Q1	26	-	[+]	3
SBIM0439-1	<i>Bibliographic Research</i> (english language) - Nathalie JACOBS, Christel PEQUEUX	B1	Q2	-	-	-	3
METO0822-1	<i>Introduction to Translational Research</i> (english language) - François JOURET, Laurent WEEKERS	B1	Q2	30	-	-	3
SBIM2031-1	<i>Introduction to drug development</i> (english language) - Pierre FRANCOTTE, Géraldine PIEL	B1	Q2	20	-	-	2
MSTG9107-1	<i>Scientific internship</i> (english language) - Virginie NEIRINCKX, Christel PEQUEUX	B1	Q2	-	-	-	3
STAT1750-1	<i>Multivariate statistical analysis</i> - AnneFrançoise DONNEAU	B2	Q1	15	10	-	2
MSTG9076-1	<i>Work placement</i> - Christel PEQUEUX	B2	Q2	-	-	-	24
MMEM9012-1	<i>Thesis</i> (english language) - Rachelle FRANZEN	B2	TA	-	-	-	30

Common core courses

Choose two courses from: (B1 : 6Cr)

SBIM2030-1	<i>Advances I in Clinical Biology</i> (english language) - Cécile MEEEX	B1	Q1	15	15	-	3
IMMU0523-2	<i>Advances I in Immunology and Vaccinology</i> (english language) - Laurence DELACROIX, Nathalie JACOBS - [13h AUTR]	B1	Q1	12	5	[+]	3
SBIM2003-2	<i>Advances I in Cardiovascular Biology</i> (english language) - Mathieu LEMPEREUR - [10h AUTR]	B1	Q1	20	-	[+]	3
NEUR2043-2	<i>Advances I in Neurosciences</i> (english language) - Rachelle FRANZEN, Gaëtan GARRAUX, Virginie NEIRINCKX	B1	Q1	26	4	-	3
NUTR1003-2	<i>Advances in GIT biology</i> (english language) - Laurence DELACROIX, Nathalie ESSER, Nicolas PAQUOT, Catherine REENAERS, Bernard TAMINIAU - [5h AUTR]	B1	Q1	25	-	[+]	3
PHAR2221-2	<i>Advances I in Pharmacology and Toxicology</i> (english language) - Raphaël DENOZ, Julien HANSON - [10h AUTR]	B1	Q1	20	-	[+]	3
SBIM2008-2	<i>Advances I in Oncology</i> (english language) - Jorge ARRESE ESTRADA, Denis MOTTET, Nor Eddine SOUNNI - [12h AUTR]	B1	Q1	14	4	[+]	3

MASTER IN BIOMEDICINE, with focus (transitory programme) (B1 : 34Cr, B2 : 56Cr)

Notice : for students enrolled before 2024-2025.

Core curriculum compulsory courses

LANG0130-2	<i>Introduction to scientific seminars</i> (english language) - Sabine WISLET	B1	Q1	4	16	-	2
COMU0430-2	<i>Scientific communication skills</i> (english language) - Michael HERFS	B1	Q1	10	20	-	2
BIOL0431-2	<i>Cellular and molecular biology of disease</i> (english language) - Alain CHARIOT, Laurent NGUYEN, Agnès NOËL, MarieJulie NOKIN - [20h APP]	B1	Q1	20	-	[+]	2
GENE0431-1	<i>Introduction to Genomics</i> (english language) - Keith DURKIN	B1	Q1	20	-	-	2
STAT0420-1	<i>Biostatistics 2</i> - AnneFrançoise DONNEAU	B1	Q1	15	15	-	2
IMMU0523-1	<i>Advances I in Immunology and Vaccinology</i> (english language) - Laurence DELACROIX, Nathalie JACOBS - [5h AUTR]	B1	Q1	15	-	[+]	2
SBIM2002-1	<i>Introduction to Oncology</i> (english language) - Christine GILLES, Nathalie JACOBS, Agnès NOËL, MarieJulie NOKIN, Nor Eddine SOUNNI - [5h AUTR]	B1	Q1	15	-	[+]	2
SBIM2003-1	<i>Advances I in Cardiovascular Biology</i> (english language) - Mathieu LEMPEREUR - [5h AUTR]	B1	Q1	15	-	[+]	2
NEUR2043-1	<i>Advances I in Neurosciences</i> (english language) - Rachelle FRANZEN, Gaëtan GARRAUX, Virginie NEIRINCKX - [5h AUTR]	B1	Q1	15	-	[+]	2
NUTR1003-1	<i>Advances in GIT biology</i> (english language) - Laurence DELACROIX, Nathalie ESSER, Nicolas PAQUOT, Catherine REENAERS, Bernard TAMINIAU - [5h AUTR]	B1	Q1	15	-	[+]	2
PHAR2221-1	<i>Advances I in Pharmacology and Toxicology</i> (english language) - Raphaël DENOOZ, Julien HANSON - [5h AUTR]	B1	Q1	15	-	[+]	2
SBIM0437-4	<i>Regulatory framework for (bio)security and management of biological risks in research and development facilities</i> (english language) - Emmanuelle DINON, Christine GRIGNET, Olivier THELLIN, Willy ZORZI - [2h Moni. ex.]	B1	Q1	13	-	[+]	1
INFO0430-3	<i>Notions of bioinformatics</i> - Olivier PEULEN	B1	Q2	10	10	-	2
CHIM0440-2	<i>Clinical chemistry</i> - Etienne CAVALIER	B1	Q2	20	10	-	2
METO0822-1	<i>Introduction to Translational Research</i> (english language) - François JOURET, Laurent WEEKERS	B1	Q2	30	-	-	3
SBIM0439-1	<i>Bibliographic Research</i> (english language) - Nathalie JACOBS, Christel PEQUEUX	B1	Q2	-	-	-	3
STAT1750-1	<i>Multivariate statistical analysis</i> - AnneFrançoise DONNEAU	B2	Q1	15	10	-	2
MSTG9076-1	<i>Work placement</i> - Christel PEQUEUX	B2	Q2	-	-	-	17
Corequisite :							
MMEM9012-1	<i>Thesis</i> (english language) - Rachelle FRANZEN	B2	TA	-	-	-	28
Prerequisite :							
SBIM0439-1	Bibliographic Research						

Common core courses (B2 : 10Cr)

Choose two courses out of the following : (B2 : 10Cr)

SBIM2029-1	<i>Additional biological analyses</i> - [20h AUTR]	B2	Q1	40	10	[+]	5
NEUR2616-1	<i>Specific questions in Neurosciences</i> (english language) - Laurence DELACROIX, Rachelle FRANZEN - [30h AUTR]	B2	Q1	18	2	[+]	5
INFO9010-1	(pas organisé en 2025-2026) <i>Medical records and hospital IT</i> -	B2	Q1	30	-	-	5

Study programmes 2025-2026

Faculty of Medicine

Master in biomedicine, research focus

Laurent DEBRA, Philippe KOLH, Michel RAZE

SBIM2017-1	<i>Oncology and Immunology</i> (english language) - [10h AUTR]	B2	Q1	40	-	[+]	5
SBIM2018-1	<i>GIT from bench to bedside</i> (english language) - [10h AUTR]	B2		40	-	[+]	5
SBIM2019-1	<i>Advanced concepts in drug therapy and development</i> (english language) - Alain CHARLOT, Pierre FRANCOTTE, Géraldine PIEL - [10h AUTR]	B2	Q1	40	-	[+]	5
CHIM9314-1	<i>Mass spectrometry technologies in biomedical research and their applications in the biotech industry</i> (english language) - [10h AUTR]	B2	Q1	30	20	[+]	5

Focus courses (B1 : 26Cr, B2 : 4Cr)

Choose one of the programmes in the focus: (B1 : 26Cr, B2 : 4Cr)

RESEARCH FOCUS (reformed programme) (B1 : 26Cr, B2 : 4Cr)

SBIM0498-2	<i>Critical evaluation of experimental design and data</i> (english language) - Laurence DELACROIX, Keith DURKIN, Julien HANSON - [24h APP]	B1	Q2	6	-	[+]	3
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Choose one option from the following : (B1 : 23Cr, B2 : 4Cr)

A. Multidisciplinary Research (B1 : 23Cr, B2 : 4Cr)

SBIM0486-2	<i>Methodology of animal experimentation</i> (english language) - Pierre DRION	B1	Q1	25	10	-	3
LANG0130-3	<i>Introduction to scientific seminars</i> (english language) - Sabine WISLET - [24h APP]	B1	Q1	6	-	[+]	3
LABO0433-3	<i>Morphological methodology</i> (english language) - Sandra ORMENESE	B1	Q2	12	8	-	2
BIOC0725-2	<i>Stem cell biology and regenerative medicine</i> (english language) - Renaud VANDENBOSCH	B1	Q2	20	-	-	2
INFO9025-1	<i>Bioinformatics in biomedicine</i> (english language) - Arnaud LAVERGNE - [15h APP]	B1	Q2	5	-	[+]	2
SBIM2032-1	<i>Omics in biomedicine</i> (english language) - Pascal DE TULLIO, Keith DURKIN, Marianne FILLET, Gabriel MAZZUCHELLI - [10h APP]	B1	Q2	34	-	[+]	5
SBIM0437-4	<i>Regulatory framework for (bio)security and management of biological risks in research and development facilities</i> (english language) - Emmanuelle DINON, Christine GRIGNET, Olivier THELLIN, Willy ZORZI - [2h Moni. ex.]	B2	Q1	13	-	[+]	1
SBIM0499-3	<i>Thematic seminars</i> (english language) - [30h SEM]	B2	TA	-	-	[+]	3

Choose two courses out of the following : (B1 : 6Cr)

SBIM2033-1	<i>Advances II in Cardiovascular Biology</i> (english language) - Mathieu LEMPEREUR - [10h APP] Corequisite : SBIM2003-2 - <i>Advances I in Cardiovascular Biology</i>	B1	Q2	20	-	[+]	3
SBIM2034-1	<i>Advances II in Clinical Biology</i> (english language) - François BOEMER, Philippe CALMANT, Benaïssa ELMOUALIJ - [8h AUTR] Corequisite : SBIM2030-1 - <i>Advances I in Clinical Biology</i>	B1	Q2	15	15	[+]	3
IMMU0525-1	<i>Advances II in Immunology and Vaccinology</i> (english language) - Andy CHEVIGNÉ, Laurence DELACROIX, Nathalie JACOBS - [15h APP] Corequisite :	B1	Q2	15	-	[+]	3

	IMMU0523-2 - Advances I in Immunology and Vaccinology								
SBIM2035-1	<i>Advances II in Oncology</i> (english language) - Nathalie JACOBS - [20h APP] Corequisite : SBIM2008-2 - Advances I in Oncology	B1	Q2	10	-	[+]	3		
NEUR2044-2	<i>Advances II in Neurosciences</i> (english language) - Charlotte CORNIL, Laurence DELACROIX, Rachelle FRANZEN, AnneSimone PARENT, Vincent SEUTIN - [10h APP] Corequisite : NEUR2043-2 - Advances I in Neuroscience	B1	Q2	18	2	[+]	3		
PHAR2222-2	<i>Advances in Pharmacology and Toxicology II</i> (english language) - Corinne CHARLIER, Julien HANSON - [5h AUTR] Corequisite : PHAR2221-2 - Advances I in Pharmacology and Toxicology	B1	Q2	25	-	[+]	3		
NUTR1004-2	<i>Advances II in GIT biology</i> (english language) - Olivier DETRY, Nathalie ESSER, Pierre FOIDART, Nicholas GILBO, Guy JERUSALEM, Edouard LOUIS, MarieAlice MEUWIS, Nicolas PAQUOT, Catherine REENAERS - [10h AUTR] Corequisite : NUTR1003-2 - Advances I in GIT biology	B1	Q2	20	-	[+]	3		

B. Multidisciplinary English (B1 : 23Cr, B2 : 4Cr)

Notice : Option not offered in 2025-2026

SBIM0494-3	<i>Advanced concepts in cell Biology</i> (english language) - Laurence DELACROIX - [15h Pers. Res.]	B1	Q1	15	15	[+]	6		
SBIM0495-2	<i>Molecular and cellular basis of disease</i> (english language) - [40h Pers. Res.]	B1	Q2	20	10	[+]	6		
SBIM0496-2	<i>Advanced techniques for diagnosis and prognosis</i> (english language) - [40h Pers. Res.]	B1	Q2	10	10	[+]	5		
SBIM0497-3	<i>New therapeutic approaches to disease</i> (english language) - [40h Pers. Res.]	B1	Q2	10	10	[+]	6		
SBIM0499-2	<i>Thematic seminars</i> (english language) - [40h SEM]	B2	TA	-	-	[+]	4		

RESEARCH FOCUS (transitional programme) (B1 : 26Cr, B2 : 4Cr)

Notice : for students enrolled before 2024-2025.

SBIM0486-2	<i>Methodology of animal experimentation</i> (english language) - Pierre DRION	B1	Q1	25	10	-	3		
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Choose one option from the following : (B1 : 23Cr, B2 : 4Cr)

Notice : Subject to the number of students enrolled (to be determined at the beginning of the academic year), one of the following two options may not be organised.

A. Multidisciplinary research (B1 : 23Cr, B2 : 4Cr)

RADL0440-2	<i>Radiobiology</i>	B1	Q1	20	10	-	3		
BIOC0725-2	<i>Stem cell biology and regenerative medicine</i> (english language) - Renaud VANDENBOSCH	B1	Q2	20	-	-	2		
NUTR1004-1	<i>Advances II in GIT biology</i> (english language) - Olivier DETRY, Nathalie ESSER, Pierre FOIDART, Nicholas GILBO, Guy JERUSALEM, Edouard LOUIS, MarieAlice MEUWIS, Nicolas PAQUOT, Catherine REENAERS - [10h AUTR]	B1	Q2	20	-	[+]	2		
NEUR2044-1	<i>Advances II in Neurosciences</i> (english language) - Charlotte CORNIL, Laurence DELACROIX, Rachelle FRANZEN, AnneSimone PARENT, Vincent SEUTIN	B1	Q2	35	-	-	5		

PHAR2222-1	<i>Advances in Pharmacology and Toxicology II</i> (english language) - Corinne CHARLIER, Julien HANSON - [15h AUTR]	B1	Q2	35	-	[+]	5
SBIM2008-1	<i>Advances I in Oncology</i> (english language) - Jorge ARRESE ESTRADA, Denis MOTTET, Nor Eddine SOUNNI - [15h AUTR]	B1	Q2	35	-	[+]	5
LABO0433-3	<i>Morphological methodology</i> (english language) - Sandra ORMENESE	B1	Q2	12	8	-	2
IMMU0524-1	<i>Advances in Immunology and Vaccinology II</i> (english language) - Andy CHEVIGNÉ, Laurence DELACROIX, Nathalie JACOBS - [10h AUTR]	B2	Q1	20	-	[+]	3

B. Multidisciplinary English (B1 : 23Cr, B2 : 4Cr)

SBIM0494-2	<i>Advanced concepts in cell Biology</i> (english language) - Laurence DELACROIX - [15h Pers. Res.]	B1	Q1	15	15	[+]	4
SBIM0495-2	<i>Molecular and cellular basis of disease</i> (english language) - [40h Pers. Res.]	B1	Q2	20	10	[+]	6
SBIM0496-2	<i>Advanced techniques for diagnosis and prognosis</i> (english language) - [40h Pers. Res.]	B1	Q2	10	10	[+]	5
SBIM0497-2	<i>New therapeutic approaches to disease</i> (english language) - [40h Pers. Res.]	B1	Q2	10	10	[+]	5
SBIM0498-2	<i>Critical evaluation of experimental design and data</i> (english language) - Laurence DELACROIX, Keith DURKIN, Julien HANSON - [24h APP]	B1	Q2	6	-	[+]	4

Bridging courses Master in biology (120 credits)

Compulsory courses (B0 : 60Cr)

TOXI0341-3	<i>Toxicological chemistry, Part I, Toxicological chemistry</i> - Corinne CHARLIER	B0	Q1	25	-	-	4
BIOC0006-1	<i>Principles of normal and pathological cellular regulation</i> - Agnès NOËL, MarieJulie NOKIN	B0	Q1	20	-	-	2
PHAC1001-2	<i>General pharmacology</i> - Theory - Vincent SEUTIN - Practical work and tutorials in pharmacology for biomedical sciences - Vincent SEUTIN - [4h SEM]	B0	Q1	20	-	-	2
DEON0003-1	<i>Questions of ethics : Animal and human experimentation</i> - Jo CAERS, JeanMichel DOGNÉ, Pierre DRION, Ezio TIRELLI	B0	Q1	15	-	-	2
METO0003-1	<i>Introduction to scientific method and to experimentation</i> - Christel PEQUEUX, Barbara POLESE	B0	Q1	10	10	-	1
STAT1001-1	<i>Biostatistics I</i> - AnneFrançoise DONNEAU - [15h QA Sess.]	B0	Q1	15	-	[+]	2
LABO0001-1	<i>Learning about experimental research</i> - Theory - Laurence DELACROIX, Rachelle FRANZEN, Carine MUNAUT, Agnès NOËL, Christel PEQUEUX, Nor Eddine SOUNNI, Sabine WISLET - Specific practical work - Laurence DELACROIX, Rachelle FRANZEN, Carine MUNAUT, Agnès NOËL, Christel PEQUEUX, Nor Eddine SOUNNI, Sabine WISLET - Specific practical work - Laurence DELACROIX, Rachelle FRANZEN, Carine MUNAUT, Agnès NOËL, Christel PEQUEUX, Nor Eddine SOUNNI, Sabine WISLET	B0	Q1	10	-	-	9
INFO9021-1	<i>Principles of programming Part 2 - Algorithmics and programming</i> -	B0	Q1	10	10	-	2

Christophe POULET

LANG6002-1	<i>Advanced English for Biomedical Research : Writing</i> (english language) - Yasmine BADIR, Ellen HARRY	B0	Q1	-	30	-	2
NEUR2615-1	<i>Introduction to neurosciences</i> - Laurence DELACROIX, Rachelle FRANZEN, Gaëtan GARRAUX, Vincent SEUTIN	B0	Q1	40	-	-	4
IMMU0522-1	<i>Immunopathology</i> - Christophe DESMET, Michel MOUTSCHEN - [7h SI]	B0	Q2	10	-	[+]	2
MICR0330-4	<i>Medical microbiology</i> - MariePierre HAYETTE - [7h SI]	B0	Q2	25	10	[+]	3
CHIM0430-1	<i>Elements of analytical chemistry</i> - Marianne FILLET, AnneCatherine SERVAIS	B0	Q2	20	40	-	4
CHIM0217-3	<i>Principles of clinical chemistry</i> - Etienne CAVALIER	B0	Q2	20	-	-	2
LABO0431-1	<i>Integrated practical work</i> - Agnès NOËL, MarieJulie NOKIN	B0	Q2	10	35	-	3
SBIM0491-1	<i>Virology Part 2</i> - Nathalie JACOBS	B0	Q2	20	-	-	2
BIOC1004-2	<i>Biochemistry and normal and pathological human physiology</i>	B0	Q2				5
	- Cardiovascular system - Philippe KOLH			10	-	-	
	- Respiratory system - Didier CATALDO			10	-	-	
	- Nervous system - Gaëtan GARRAUX			20	-	-	
	- Nervous system - specific concepts - Gilles VANDEWALLE - [2h Pr.]			-	-	[+]	
BIOC1004-3	<i>Biochemistry and normal and pathological human physiology</i>	B0	Q2				4
	- Endocrine system and metabolism - Philippe KOLH			15	-	-	
	- Digestive system - Didier CATALDO			15	-	-	
	- Nephro-urinary system - Didier CATALDO			10	-	-	
INFO9022-1	<i>Systems architecture and IT networks, part 1</i> - Vân Anh HUYNH THU	B0	Q2	15	15	-	3
LANG6003-1	<i>Advanced English for Biomedical Research: Speaking</i> (english language) - Yasmine BADIR, Ellen HARRY	B0	Q2	-	30	-	2