

Block view of the study programme

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Block 1

Core curriculum courses

Choose one of the two programmes:

MASTER IN BIOMEDICINE, with focus (reformed programme)

Core curriculum compulsory courses

GENE0431-2	<i>Introduction to Genomics</i> (english language) - Keith DURKIN - [10h APP]	Q1	20	-	[+]	3
COMU0430-2	<i>Scientific communication skills</i> (english language) - Michael HERFS	Q1	10	20	-	2
STAT0420-1	<i>Biostatistics 2</i> - AnneFrançoise DONNEAU	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]	Q1	20	-	[+]	4
INFO9024-1	<i>Data interpretation in bioinformatics</i> (english language) - Arnaud LAVERGNE - [20h APP]	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]	Q1	26	-	[+]	3
SBIM0439-1	<i>Bibliographic Research</i> (english language) - Nathalie JACOBS, Christel PEQUEUX	Q2	-	-	-	3
METO0822-1	<i>Introduction to Translational Research</i> (english language) - François JOURET, Laurent WEEKERS	Q2	30	-	-	3
SBIM2031-1	<i>Introduction to drug development</i> (english language) - Pierre FRANCOTTE, Géraldine PIEL	Q2	20	-	-	2
MSTG9107-1	<i>Scientific internship</i> (english language) - Virginie NEIRINCKX, Christel PEQUEUX	Q2	-	-	-	3

Common core courses

Choose two courses from:

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

MASTER IN BIOMEDICINE, with focus (transitory programme)

Notice : for students enrolled before 2024-2025.

Core curriculum compulsory courses

LANG0130-2	<i>Introduction to scientific seminars</i> (english language) - Sabine WISLET	Q1	4	16	-	2
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COMU0430-2	<i>Scientific communication skills</i> (english language) - Michael HERFS	Q1	10	20	-	2
BIOL0431-2	<i>Cellular and molecular biology of disease</i> (english language) - Alain CHARLOT, Laurent NGUYEN, Agnès NOËL, MarieJulie NOKIN - [20h APP]	Q1	20	-	[+]	2
GENE0431-1	<i>Introduction to Genomics</i> (english language) - Keith DURKIN	Q1	20	-	-	2
STAT0420-1	<i>Biostatistics 2</i> - AnneFrançoise DONNEAU	Q1	15	15	-	2
IMMU0523-1	<i>Advances I in Immunology and Vaccinology</i> (english language) - Laurence DELACROIX, Nathalie JACOBS - [5h ATR]	Q1	15	-	[+]	2
SBIM2002-1	<i>Introduction to Oncology</i> (english language) - Christine GILLES, Nathalie JACOBS, Agnès NOËL, MarieJulie NOKIN, Nor Eddine SOUNNI - [5h ATR]	Q1	15	-	[+]	2
SBIM2003-1	<i>Advances I in Cardiovascular Biology</i> (english language) - Mathieu LEMPEREUR - [5h ATR]	Q1	15	-	[+]	2
NEUR2043-1	<i>Advances I in Neurosciences</i> (english language) - Rachelle FRANZEN, Gaëtan GARRAUX, Virginie NEIRINCKX - [5h ATR]	Q1	15	-	[+]	2
NUTR1003-1	<i>Advances in GIT biology</i> (english language) - Laurence DELACROIX, Nathalie ESSER, Nicolas PAQUOT, Catherine REENAERS, Bernard TAMINIAU - [5h ATR]	Q1	15	-	[+]	2
PHAR2221-1	<i>Advances I in Pharmacology and Toxicology</i> (english language) - Raphaël DENOZ, Julien HANSON - [5h ATR]	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.]	Q1	13	-	[+]	1
INFO0430-3	<i>Notions of bioinformatics</i> - Olivier PEULEN	Q2	10	10	-	2
CHIM0440-2	<i>Clinical chemistry</i> - Etienne CAVALIER	Q2	20	10	-	2
METO0822-1	<i>Introduction to Translational Research</i> (english language) - François JOURET, Laurent WEEKERS	Q2	30	-	-	3
SBIM0439-1	<i>Bibliographic Research</i> (english language) - Nathalie JACOBS, Christel PEQUEUX	Q2	-	-	-	3

Focus courses

Choose one of the programmes in the focus:

RESEARCH FOCUS (reformed programme)

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

A. Multidisciplinary Research

SBIM0486-2	<i>Methodology of animal experimentation</i> (english language) - Pierre DRION	Q1	25	10	-	3
LANG0130-3	<i>Introduction to scientific seminars</i> (english language) - Sabine WISLET - [24h APP]	Q1	6	-	[+]	3
LABO0433-3	<i>Morphological methodology</i> (english language) - Sandra ORMENESE	Q2	12	8	-	2
BIOC0725-2	<i>Stem cell biology and regenerative medicine</i> (english language) - Renaud VANDENBOSCH	Q2	20	-	-	2
INFO9025-1	<i>Bioinformatics in biomedicine</i> (english language) - Arnaud LAVERGNE - [15h APP]	Q2	5	-	[+]	2
SBIM2032-1	<i>Omics in biomedicine</i> (english language) - Pascal DE TULLIO,	Q2	34	-	[+]	5

Study programmes 2025-2026

Faculty of Medicine

Master in biomedicine, research focus

URKIN, Marianne FILLET, Gabriel MAZZUCHELLI - [10h APP]

Choose two courses out of the following :

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>	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>	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 : IMMU0523-2 - <i>Advances I in Immunology and Vaccinology</i>	Q2	15	-	[+]	3
SBIM2035-1	<i>Advances II in Oncology</i> (english language) - Nathalie JACOBS - [20h APP] Corequisite : SBIM2008-2 - <i>Advances I in Oncology</i>	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 - <i>Advances I in Neuroscience</i>	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 - <i>Advances I in Pharmacology and Toxicology</i>	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 - <i>Advances I in GIT biology</i>	Q2	20	-	[+]	3

B. Multidisciplinary English

Notice : Option not offered in 2025-2026

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

RESEARCH FOCUS (transitional programme)

Notice : for students enrolled before 2024-2025.

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

Notice : Subject to the number of students enrolled (to be determined at the beginning of the

Study programmes 2025-2026

Faculty of Medicine

Master in biomedicine, research focus

academic year), one of the following two options may not be organised.

A. Multidisciplinary research

RADL0440-2	<i>Radiobiology</i>	Q1	20	10	-	3
BIOC0725-2	<i>Stem cell biology and regenerative medicine</i> (english language) - Renaud VANDENBOSCH	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]	Q2	20	-	[+]	2
NEUR2044-1	<i>Advances II in Neurosciences</i> (english language) - Charlotte CORNIL, Laurence DELACROIX, Rachelle FRANZEN, AnneSimone PARENT, Vincent SEUTIN	Q2	35	-	-	5
PHAR2222-1	<i>Advances in Pharmacology and Toxicology II</i> (english language) - Corinne CHARLIER, Julien HANSON - [15h AUTR]	Q2	35	-	[+]	5
SBIM2008-1	<i>Advances I in Oncology</i> (english language) - Jorge ARRESE ESTRADA, Denis MOTTET, Nor Eddine SOUNNI - [15h AUTR]	Q2	35	-	[+]	5
LABO0433-3	<i>Morphological methodology</i> (english language) - Sandra ORMENESE	Q2	12	8	-	2

B. Multidisciplinary English

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

Block 2

Core curriculum courses

Choose one of the two programmes:

MASTER IN BIOMEDICINE, with focus (reformed programme)

STAT1750-1	<i>Multivariate statistical analysis</i> - AnneFrançoise DONNEAU	Q1	15	10	-	2
MSTG9076-1	<i>Work placement</i> - Christel PEQUEUX	Q2	-	-	-	24
MMEM9012-1	<i>Thesis</i> (english language) - Rachelle FRANZEN	TA	-	-	-	30

MASTER IN BIOMEDICINE, with focus (transitory programme)

STAT1750-1	<i>Multivariate statistical analysis</i> - AnneFrançoise DONNEAU	Q1	15	10	-	2
MSTG9076-1	<i>Work placement</i> - Christel PEQUEUX	Q2	-	-	-	17
Corequisite : MMEM9012-1 - Thesis						
MMEM9012-1	<i>Thesis</i> (english language) - Rachelle FRANZEN	TA	-	-	-	28
Prerequisite : SBIM0439-1 - Bibliographic Research						

Common core courses

Choose two courses out of the following :

SBIM2029-1	<i>Additional biological analyses</i> - [20h AUTR]	Q1	40	10	[+]	5
NEUR2616-1	<i>Specific questions in Neurosciences</i> (english language) - Laurence DELACROIX, Rachelle FRANZEN - [30h AUTR]	Q1	18	2	[+]	5
INFO9010-1	(pas organisé en 2025-2026) <i>Medical records and hospital IT</i> - Laurent DEBRA, Philippe KOLH, Michel RAZE	Q1	30	-	-	5
SBIM2017-1	<i>Oncology and Immunology</i> (english language) - [10h AUTR]	Q1	40	-	[+]	5
SBIM2018-1	<i>GIT from bench to bedside</i> (english language) - [10h AUTR]		40	-	[+]	5
SBIM2019-1	<i>Advanced concepts in drug therapy and development</i> (english language) - Alain CHARLOT, Pierre FRANCOTTE, Géraldine PIEL - [10h AUTR]	Q1	40	-	[+]	5
CHIM9314-1	<i>Mass spectrometry technologies in biomedical research and their applications in the biotech industry</i> (english language) - [10h AUTR]	Q1	30	20	[+]	5

Focus courses

Choose one of the programmes in the focus:

RESEARCH FOCUS (reformed programme)

Choose one option from the following :

A. Multidisciplinary Research

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.]	Q1	13	-	[+]	1
SBIM0499-3	<i>Thematic seminars</i> (english language) - [30h SEM]	TA	-	-	[+]	3

B. Multidisciplinary English

Notice : Option not offered in 2025-2026

SBIM0499-2	<i>Thematic seminars</i> (english language) - [40h SEM]	TA	-	-	[+]	4
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RESEARCH FOCUS (transitional programme)

Choose one option from the following :

A. Multidisciplinary research

IMMU0524-1	<i>Advances in Immunology and Vaccinology II</i> (english language) - Andy CHEVIGNÉ, Laurence DELACROIX, Nathalie JACOBS - [10h AUTR]	Q1	20	-	[+]	3
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B. Multidisciplinary English

Bloc d'aménagement du programme de l'année

Bridging courses Master in biology (120 credits)

Compulsory courses

TOXI0341-3	<i>Toxicological chemistry, Part I, Toxicological chemistry</i> - Corinne CHARLIER	Q1	25	-	-	4
BIOC0006-1	<i>Principles of normal and pathological cellular regulation</i> - Agnès NOËL, MarieJulie NOKIN	Q1	20	-	-	2
PHAC1001-2	<i>General pharmacology</i>	Q1				2

	- Theory - Vincent SEUTIN	20	-	-	
	- Practical work and tutorials in pharmacology for biomedical sciences - Vincent SEUTIN - [4h SEM]	-	-	[+]	
DEON0003-1	Questions of ethics : Animal and human experimentation - Jo CAERS, JeanMichel DOGNÉ, Pierre DRION, Ezio TIRELLI	Q1	15	-	2
METO0003-1	Introduction to scientific method and to experimentation - Christel PEQUEUX, Barbara POLESE	Q1	10	10	1
STAT1001-1	Biostatistics I - AnneFrançoise DONNEAU - [15h QA Sess.]	Q1	15	-	[+] 2
LABO0001-1	Learning about experimental research	Q1			9
	- Theory - Laurence DELACROIX, Rachelle FRANZEN, Carine MUNAUT, Agnès NOËL, Christel PEQUEUX, Nor Eddine SOUNNI, Sabine WISLET		10	-	-
	- Specific practical work - Laurence DELACROIX, Rachelle FRANZEN, Carine MUNAUT, Agnès NOËL, Christel PEQUEUX, Nor Eddine SOUNNI, Sabine WISLET		-	50	-
	- Specific practical work - Laurence DELACROIX, Rachelle FRANZEN, Carine MUNAUT, Agnès NOËL, Christel PEQUEUX, Nor Eddine SOUNNI, Sabine WISLET		-	50	-
INFO9021-1	Principles of programming Part 2 - Algorithmics and programming - Christophe POULET	Q1	10	10	2
LANG6002-1	Advanced English for Biomedical Research : Writing (english language) - Yasmine BADIR, Ellen HARRY	Q1	-	30	2
NEUR2615-1	Introduction to neurosciences - Laurence DELACROIX, Rachelle FRANZEN, Gaëtan GARRAUX, Vincent SEUTIN	Q1	40	-	4
IMMU0522-1	Immunopathology - Christophe DESMET, Michel MOUTSCHEN - [7h SI]	Q2	10	-	[+] 2
MICR0330-4	Medical microbiology - MariePierre HAYETTE - [7h SI]	Q2	25	10	[+] 3
CHIM0430-1	Elements of analytical chemistry - Marianne FILLET, AnneCatherine SERVAIS	Q2	20	40	4
CHIM0217-3	Principles of clinical chemistry - Etienne CAVALIER	Q2	20	-	2
LABO0431-1	Integrated practical work - Agnès NOËL, MarieJulie NOKIN	Q2	10	35	3
SBIM0491-1	Virology Part 2 - Nathalie JACOBS	Q2	20	-	2
BIOC1004-2	Biochemistry and normal and pathological human physiology	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	Biochemistry and normal and pathological human physiology	Q2			4
	- Endocrine system and metabolism - Philippe KOLH		15	-	-
	- Digestive system - Didier CATALDO		15	-	-
	- Nephro-urinary system - Didier CATALDO		10	-	-
INFO9022-1	Systems architecture and IT networks, part 1 - Vân Anh HUYNHTHU	Q2	15	15	3
LANG6003-1	Advanced English for Biomedical Research: Speaking (english language) - Yasmine BADIR, Ellen HARRY	Q2	-	30	2