

## Cycle view of the study programme

Bl Or Th Pr Au Cr

**Focus courses (B1 : 27Cr, B2 : 3Cr)**

**Choisir l'un des programmes de la finalité : (B1 : 27Cr, B2 : 3Cr)**

**FINALITE APPROFONDIE (programme réformé) (B1 : 27Cr, B2 : 3Cr)**

*Notice : pour les étudiants inscrits pour la 1ère fois en 2024-2025.*

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

**A. Multidisciplinary Research (B1 : 23Cr, B2 : 3Cr)**

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

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

NUTR1004-2	<i>Advances II in GIT biology</i> (english language) - Joëlle COLLIGNON, Jean DELWAIDE, Olivier DETRY, Nathalie ESSER, Guy JERUSALEM, Edouard LOUIS, MarieAlice MEUWIS, Nicolas PAQUOT, Catherine REENAERS - [10h AUTR] <b>Corequisite :</b> NUTR1003-2 - Advances I in GIT biology	B2	Q2	20	-	[+]	3
SBIM2033-1	<i>Advances II in Cardiovascular Biology</i> (english language) - Mathieu LEMPEREUR - [10h APP] <b>Corequisite :</b> SBIM2003-2 - Advances I in Cardiovascular Biology	B1	Q2	20	-	[+]	3
SBIM2034-1	<i>Advances II in Clinical Biology</i> (english language) - François BOEMER, Philippe CALMANT, Benaïssa ELMOUALIJ - [8h AUTR] <b>Corequisite :</b> SBIM2030-1 - Advances I in Clinical Biology	B1	Q2	12	10	[+]	3
IMMU0525-1	<i>Advances II in Immunology and Vaccinology</i> (english language) - Andy CHEVIGNÉ, Nathalie JACOBS - [15h APP] <b>Corequisite :</b> IMMU0523-2 - Advances I in Immunology and Vaccinology	B1	Q2	15	-	[+]	3
SBIM2035-1	<i>Advances II in Oncology</i> (english language) - Nathalie JACOBS - [20h APP] <b>Corequisite :</b> SBIM2008-2 - Advances I in Oncology	B1	Q2	10	-	[+]	3
NEUR2044-2	<i>Advances II in Neurosciences</i> (english language) - Julie BAKKER, Charlotte CORNIL, AnneSimone PARENT, Vincent SEUTIN - [10h APP]	B1	Q2	18	2	[+]	3

# Study programmes 2024-2025

## Faculty of Medicine

### Master in biomedicine, research focus

#### **Corequisite :**

NEUR2043-2 - Advances I in Neuroscience

PHAR2222-2	<i>Advances in Pharmacology and Toxicology II</i> (english language) - Corinne CHARLIER, Julien HANSON - [5h AUTR]	B1	Q2	25	-	[+]	<b>3</b>
	<b>Corequisite :</b> PHAR2221-2 - Advances I in Pharmacology and Toxicology						

#### **B. Multidisciplinary English (B1 : 23Cr, B2 : 3Cr)**

SBIM0494-3	(pas organisé en 2024-2025) <i>Advanced concepts in cell Biology</i> (english language) - Pierre CLOSE, Mireille DUMOULIN, Keith DURKIN, Julien HANSON - [15h Pers. Res.]	B1	Q1	15	15	[+]	<b>6</b>
SBIM0495-2	(pas organisé en 2024-2025) <i>Molecular and cellular basis of disease</i> (english language) - Jo CAERS, Pierre CLOSE, Charlotte CORNIL, Mireille DUMOULIN, Keith DURKIN, Carla GOMES DA SILVA, Céline KEMPENEERS, Vincent SEUTIN, Sabine WISLET - [40h Pers. Res.]	B1	Q2	20	10	[+]	<b>6</b>
SBIM0496-2	<i>Advanced techniques for diagnosis and prognosis</i> (english language) - Pascal DE TULLIO, Keith DURKIN, François JOURET, Céline KEMPENEERS, Sabine WISLET, Nadia WITHOFS - [40h Pers. Res.]	B1	Q2	10	10	[+]	<b>5</b>
SBIM0497-3	<i>New therapeutic approaches to disease</i> (english language) - Jo CAERS, Pierre CLOSE, Mireille DUMOULIN, AnneSimone PARENT, Vincent SEUTIN - [40h Pers. Res.]	B1	Q2	10	10	[+]	<b>6</b>

#### **FINALITE APPROFONDIE (programme transitoire) (B1 : 27Cr, B2 : 3Cr)**

*Notice* : pour les étudiants inscrits avant 2024-2025.

SBIM0486-2	<i>Methodology of animal experimentation</i> (english language) - Pierre DRION	B1	Q1	25	10	-	<b>3</b>
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#### **Choose one option from the following : (B1 : 24Cr, B2 : 3Cr)**

*Notice* : Sous réserve du nombre d'étudiants inscrits (nombre à définir en début d'année académique), l'une des deux options suivantes pourrait ne pas être organisée.

#### **A. Multidisciplinary research (B1 : 24Cr, B2 : 3Cr)**

RADL0440-2	<i>Radiobiology</i> - Chantal HUMBLET, Philippe MARTINIVE	B1	Q1	20	10	-	<b>3</b>
BIOC0725-2	<i>Stem cell biology and regenerative medicine</i> (english language) - Renaud VANDENBOSCH	B1	Q2	20	-	-	<b>2</b>
NUTR1004-1	<i>Advances II in GIT biology</i> (english language) - Joëlle COLLIGNON, Jean DELWAIDE, Olivier DETRY, Nathalie ESSER, Guy JERUSALEM, Edouard LOUIS, MarieAlice MEUWIS, Nicolas PAQUOT, Catherine REENAERS - [10h AUTR]	B1	Q2	20	-	[+]	<b>2</b>
NEUR2044-1	<i>Advances II in Neurosciences</i> (english language) - Julie BAKKER, Charlotte CORNIL, AnneSimone PARENT, Vincent SEUTIN	B1	Q2	35	-	-	<b>5</b>
PHAR2222-1	<i>Advances in Pharmacology and Toxicology II</i> (english language) - Corinne CHARLIER, Julien HANSON - [15h AUTR]	B1	Q2	35	-	[+]	<b>5</b>
SBIM2008-1	<i>Advances I in Oncology</i> (english language) - Jorge ARRESE ESTRADA, Denis MOTTE, Nor Eddine SOUNNI - [15h AUTR]	B1	Q2	35	-	[+]	<b>5</b>
LABO0433-3	<i>Morphological methodology</i> (english language) - Sandra ORMENESE	B1	Q2	12	8	-	<b>2</b>
IMMU0524-1	<i>Advances in Immunology and Vaccinology II</i> (english language) - Andy CHEVIGNÉ, Nathalie JACOBS - [10h AUTR]	B2	Q1	20	-	[+]	<b>3</b>

#### **B. Multidisciplinary English (B1 : 24Cr, B2 : 3Cr)**

# Study programmes 2024-2025

## Faculty of Medicine

### Master in biomedicine, research focus

SBIM0494-2	<i>Advanced concepts in cell Biology</i> (english language) - Pierre CLOSE, Mireille DUMOULIN, Keith DURKIN, Julien HANSON - [15h Pers. Res.]	B1	Q1	15	15	[+]	<b>4</b>
SBIM0495-2	<i>Molecular and cellular basis of disease</i> (english language) - Jo CAERS, Pierre CLOSE, Charlotte CORNIL, Mireille DUMOULIN, Keith DURKIN, Carla GOMES DA SILVA, Céline KEMPENEERS, Vincent SEUTIN, Sabine WISLET - [40h Pers. Res.]	B1	Q2	20	10	[+]	<b>6</b>
SBIM0496-2	<i>Advanced techniques for diagnosis and prognosis</i> (english language) - Pascal DE TULLIO, Keith DURKIN, François JOURET , Céline KEMPENEERS, Sabine WISLET, Nadia WITHOFS - [40h Pers. Res.]	B1	Q2	10	10	[+]	<b>5</b>
SBIM0497-2	<i>New therapeutic approaches to disease</i> (english language) - Jo CAERS, Pierre CLOSE, Mireille DUMOULIN, AnneSimone PARENT, Vincent SEUTIN - [40h Pers. Res.]	B1	Q2	10	10	[+]	<b>5</b>
SBIM0498-2	<i>Critical evaluation of experimental design and data</i> (english language) - Keith DURKIN, Julien HANSON - [24h APP]	B1	Q2	6	-	[+]	<b>4</b>
SBIM0499-1	<i>Thematic seminars</i> (english language) - Pierre CLOSE - [20h SEM]	B2	Q1	-	-	[+]	<b>3</b>

**Cours du tronc commun (B1 : 33Cr, B2 : 57Cr)**

**Choose one of the two programmes: (B1 : 33Cr, B2 : 57Cr)**

**MASTER EN SCIENCES BIOMEDICALES, A FINALITE (programme réformé) (B1 : 33Cr, B2 : 57Cr)**

*Notice : pour les étudiants inscrits pour la 1ère fois en 2024-2025.*

**Cours obligatoires du tronc commun :**

GENE0431-2	<i>Introduction to Genomics</i> (english language) - [10h APP]	B1	Q1	20	-	[+]	<b>3</b>
COMU0430-2	<i>Scientific communication skills</i> (english language) - Michael HERFS	B1	Q1	10	20	-	<b>2</b>
STAT0420-1	<i>Biostatistics 2</i> - AnneFrançoise DONNEAU	B1	Q1	15	15	-	<b>2</b>
BIOL0431-3	<i>Cellular and molecular biology of disease</i> (english language) - Alain CHARIOT, Laurent NGUYEN, Agnès NOËL - [20h APP]	B1	Q1	20	-	[+]	<b>3</b>
INFO9024-1	<i>Data interpretation in bioinformatics</i> (english language) - Arnaud LAVERGNE - [20h APP]	B1	Q1	10	-	[+]	<b>3</b>
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	-	[+]	<b>3</b>
SBIM0439-1	<i>Bibliographic Research</i> (english language) - Nathalie JACOBS	B1	Q2	-	-	-	<b>3</b>
METO0822-1	<i>Introduction to Translational Research</i> (english language) - François JOURET , Laurent WEEKERS	B1	Q2	30	-	-	<b>3</b>
SBIM2031-1	<i>Introduction to drug development</i> (english language) - Pierre FRANCOTTE, Géraldine PIEL	B1	Q2	20	-	-	<b>2</b>
MSTG9107-1	<i>Scientific internship</i> (english language)	B1	Q2	-	-	-	<b>3</b>

**Cours au choix du tronc commun :**

Choose two courses from: (B1 : 6Cr)

SBIM2030-1	<i>Advances I in Clinical Biology</i> (english language) - Pablo BECKERS, Sébastien BONTEMPS, Khalid EL MOUSSAOUI, Cécile MEEX, Rosalie SACHELI	B1	Q1	15	15	-	<b>3</b>
IMMU0523-2	<i>Advances I in Immunology and Vaccinology</i> (english language) - Nathalie JACOBS - [13h AUTR]	B1	Q1	12	5	[+]	<b>3</b>
SBIM2003-2	<i>Advances I in Cardiovascular Biology</i> (english language) - [10h	B1	Q1	20	-	[+]	<b>3</b>

# Study programmes 2024-2025

## Faculty of Medicine

### Master in biomedicine, research focus

AUTR]

NEUR2043-2	<i>Advances I in Neurosciences</i> (english language) - Gaëtan GARRAUX, Virginie NEIRINCKX, Vincent SEUTIN	B1	Q1	26	4	-	<b>3</b>
NUTR1003-2	<i>Advances in GIT biology</i> (english language) - Véronique DELCENSERIE, Nathalie ESSER, Nicolas PAQUOT, Catherine REENAERS, Bernard TAMINIAU - [5h AUTR]	B1	Q1	25	-	[+]	<b>3</b>
PHAR2221-2	<i>Advances I in Pharmacology and Toxicology</i> (english language) - Raphaël DENOOZ, Julien HANSON - [10h AUTR]	B1	Q1	20	-	[+]	<b>3</b>
SBIM2008-2	<i>Advances I in Oncology</i> (english language) - Jorge ARRESE ESTRADA, Denis MOTTET, Nor Eddine SOUNNI - [12h AUTR]	B1	Q1	14	4	[+]	<b>3</b>

#### **MASTER EN SCIENCES BIOMEDICALES, A FINALITE (programme transitoire) (B1 : 33Cr, B2 : 57Cr)**

*Notice : pour les étudiants inscrits avant 2024-2025.*

#### **Cours obligatoires du tronc commun :**

LANG0130-2	<i>Introduction to scientific seminars</i> (english language) - Sabine WISLET	B1	Q1	4	16	-	<b>2</b>
COMU0430-2	<i>Scientific communication skills</i> (english language) - Michael HERFS	B1	Q1	10	20	-	<b>2</b>
BIOL0431-2	<i>Cellular and molecular biology of disease</i> (english language) - Alain CHARIOT, Laurent NGUYEN, Agnès NOËL - [20h APP]	B1	Q1	20	-	[+]	<b>2</b>
GENE0431-1	<i>Introduction to Genomics</i> (english language)	B1	Q1	20	-	-	<b>2</b>
STAT0420-1	<i>Biostatistics 2</i> - AnneFrançoise DONNEAU	B1	Q1	15	15	-	<b>2</b>
IMMU0523-1	<i>Advances I in Immunology and Vaccinology</i> (english language) - Nathalie JACOBS - [5h AUTR]	B1	Q1	15	-	[+]	<b>2</b>
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	-	[+]	<b>2</b>
SBIM2003-1	<i>Advances I in Cardiovascular Biology</i> (english language) - [5h AUTR]	B1	Q1	15	-	[+]	<b>2</b>
NEUR2043-1	<i>Advances I in Neurosciences</i> (english language) - Gaëtan GARRAUX, Virginie NEIRINCKX, Vincent SEUTIN - [5h AUTR]	B1	Q1	15	-	[+]	<b>2</b>
NUTR1003-1	<i>Advances in GIT biology</i> (english language) - Véronique DELCENSERIE, Nathalie ESSER, Nicolas PAQUOT, Catherine REENAERS, Bernard TAMINIAU - [5h AUTR]	B1	Q1	15	-	[+]	<b>2</b>
PHAR2221-1	<i>Advances I in Pharmacology and Toxicology</i> (english language) - Raphaël DENOOZ, Julien HANSON - [5h AUTR]	B1	Q1	15	-	[+]	<b>2</b>
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	-	[+]	<b>1</b>
INFO0430-3	<i>Notions of bioinformatics</i> - Olivier PEULEN	B1	Q2	10	10	-	<b>2</b>
CHIM0440-2	<i>Clinical chemistry</i> - Etienne CAVALIER	B1	Q2	20	10	-	<b>2</b>
METO0822-1	<i>Introduction to Translational Research</i> (english language) - François JOURET , Laurent WEEKERS	B1	Q2	30	-	-	<b>3</b>
SBIM0439-1	<i>Bibliographic Research</i> (english language) - Nathalie JACOBS	B1	Q2	-	-	-	<b>3</b>
STAT1750-1	<i>Multivariate statistical analysis</i> - AnneFrançoise DONNEAU	B2	Q1	15	10	-	<b>2</b>
MSTG9076-1	<i>Work placement</i> - COLLÉGIALITÉ <b>Corequisite :</b> MMEM9012-1 - Thesis	B2	Q2	-	-	-	<b>17</b>

# Study programmes 2024-2025

## Faculty of Medicine

### Master in biomedicine, research focus

MMEM9012-1	<i>Thesis (english language) - COLLÉGIALITÉ</i>	B2	TA	-	-	-	-	<b>28</b>
<b>Prerequisite :</b>								

SBIM0439-1 - Bibliographic Research

#### Cours au choix du tronc commun (B2 : 10Cr)

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

SBIM2029-1	<i>Additional biological analyses</i> - François BOEMER, Sébastien BONTEMS, Philippe CALMANT, Bénaïssa ELMOUALIJ, MariePierre HAYETTE, Cécile MEEEX - [20h AUTR]	B2	Q1	40	10	[+]	<b>5</b>
NEUR2616-1	<i>Specific questions in Neurosciences (english language)</i> - Gaëtan GARRAUX, Vincent SEUTIN - [30h AUTR]	B2	Q1	18	2	[+]	<b>5</b>
INFO9010-1	(pas organisé en 2024-2025) <i>Medical records and hospital IT</i> - Laurent DEBRA, Philippe KOLH, Michel RAZE	B2	Q1	30	-	-	<b>5</b>
SBIM2017-1	<i>Oncology and Immunology (english language)</i> - Nathalie JACOBS - [10h AUTR]	B2	Q1	40	-	[+]	<b>5</b>
SBIM2018-1	<i>GIT from bench to bedside (english language)</i> - Olivier DETRY, MarieAlice MEUWIS, Catherine REENAERS - [10h AUTR]	B2		40	-	[+]	<b>5</b>
SBIM2019-1	<i>Advanced concepts in drug therapy and development (english language)</i> - Alain CHARIOT, Pierre FRANCOTTE, Christian GRANDFILS, Géraldine PIEL - [10h AUTR]	B2	Q1	40	-	[+]	<b>5</b>
CHIM9314-1	<i>Mass spectrometry technologies in biomedical research and their applications in the biotech industry (english language)</i> - Marianne FILLET, Gabriel MAZZUCHELLI - [10h AUTR]	B2	Q1	30	20	[+]	<b>5</b>

## Additional ECTS Master in biology (120 ECTS)

#### Compulsory courses (B0 : 60Cr)

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

# Study programmes 2024-2025

## Faculty of Medicine

### Master in biomedicine, research focus

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