

**At Bruxelles Woluwe - 360 credits - 6 years - Day schedule - In French**Dissertation/Graduation Project : **YES** - Internship : **YES**Activities in English: **NO** - Activities in other languages : **NO**Activities on other sites : **YES**Main study domain : **Sciences médicales**Organized by: **Faculty of Medicine and Dentistry (MEDE)**Programme acronym: **GENE2MC** - Francophone Certification Framework: 7**Table of contents**

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## GENE2MC - Introduction

### Introduction

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#### Introduction

The aim of this complementary 2nd cycle program is to prepare doctors for accreditation as holders of the special professional title of doctor specializing in clinical / medical genetics (MA of 23/05/2017 modified by AM of 29/05/2018 published on 15/06/2018).

#### Your profile

This master is accessible if you are:

- holders of the diploma of doctor of medicine, master of medicine or doctor of a country member of the European Union and allowing medical practice in Belgium;
- bear a document attesting that you were, at the end of the selection test, selected as candidate specialists in clinical genetics, in a Belgian faculty of medicine.

#### Your programme

The training includes full-time internships in approved services and lessons.

It is six years full-time and includes two years of general clinical training and four years of clinical genetics training.

Internships may include on-call activities.

The training plans drawn up by the university coordinating training masters must be approved by the ministerial accreditation committee for the specialty of clinical genetics for all training.

## GENE2MC - Teaching profile

### Learning outcomes

The purpose of this complementary 2nd cycle program is to prepare physicians for accreditation as holders of the specific professional title of physician specializing in clinical genetics and to acquire the final skills as described in the [A.M. 05/23/2017](#).

### Programme structure

The program has a duration of 6 years structured in 6 annual blocks.

Two years of the internship relate to general clinical training in an approved internship service with a level 2 professional title mentioned in article 1 of the Royal Decree of 25 November 1991 establishing the list of specific professional titles reserved for practitioners of medical art, including dentistry.

Four years of the internship relate to training in clinical genetics in a human genetics center which has an accreditation as an internship service in clinical genetics.

At least twelve months and at most twenty-four months of this four-year training consist of training in a laboratory linked to the center of human genetics.

The internship is limited to four years of training in clinical genetics in the context where the specialist candidate has already obtained a level 2 qualification within the framework of which he followed, during his training, general clinical training of at least two years in an approved internship service.

## GENE2MC Programme

### Detailed programme by subject

#### CORE COURSES [360.0]

Teaching staff: Anne De Leener (program coordinator), Nicole Revencu, Mikka Vikkula, Yves Sznajer.

- Mandatory
- ⊗ Optional
- △ Not offered in 2026-2027
- ⊖ Not offered in 2026-2027 but offered the following year
- ⊕ Offered in 2026-2027 but not the following year
- △ ⊕ Not offered in 2026-2027 or the following year
- Activity with requisites
- ⊕ Open to incoming exchange students
- ⊗ Not open to incoming exchange students
- [FR] Teaching language (FR, EN, ES, NL, DE, ...)

Click on the course title to see detailed informations (objectives, methods, evaluation...)

Year

1 2 3 4 5 6







#### o Premier bloc annuel (60 credits)

*Le premier bloc annuel est constitué des enseignements et stages de la formation spécialisée d'un service de stage agréé d'un titre professionnel de niveau 2 mentionné à l'article 1er de l'arrêté royal du 25 novembre 1991 établissant la liste des titres professionnels particuliers réservés aux praticiens de l'art médical, en ce compris l'art dentaire.*

### o Deuxième bloc annuel (60 crédits)

Le deuxième bloc annuel est constitué des enseignements et stages de la formation spécialisée d'un service de stage agréé d'un titre professionnel de niveau 2 mentionné à l'article 1er de l'arrêté royal du 25 novembre 1991 établissant la liste des titres professionnels particuliers réservés aux praticiens de l'art médical, en ce compris l'art dentaire.

### o Troisième bloc annuel (60 crédits)

o WGENO2110	Génétique moléculaire médicale	Anne De Leener Raphaël Helaers Eric Olinger Nicole Revencu Miikka Vikkula (coord.)	FR [q1] [15h] [2 Credits]  > English-friendly						X		
o WGENE2313	Séminaires de génétique médicale (IU) 3e année	Anne De Leener (coord.)	FR [q1+q2] [60h] [6 Credits] 						X		
o WGENE2323	Séminaire de dysmorphologie (3e année)	Anne De Leener (coord.)	FR [q1+q2] [24h] [3 Credits] 						X		
o WGENE2343	Participation au congrès annuel de la Société belge de génétique humaine (3e année)		FR [q1+q2] [] [2 Credits] 						X		
o WGENE2383	Stages cliniques de génétique médicale 3e année, 1re partie		FR [q1+q2] [] [24 Credits] 						X		
o WGENE2393	Stages cliniques de génétique médicale 3e année, 2e partie		FR [q1+q2] [] [23 Credits] 						X		

### o Quatrième bloc annuel (60 crédits)

o WGENE2314	Séminaires de génétique médicale (IU) 4e année	Anne De Leener (coord.)	FR [q1+q2] [60h] [6 Credits] 						X		
o WGENE2324	Séminaire de dysmorphologie (4e année)	Anne De Leener (coord.)	FR [q1+q2] [24h] [3 Credits] 						X		
o WGENE2344	Participation au congrès annuel de la Société belge de génétique humaine (4e année)		FR [q1+q2] [] [2 Credits] 						X		
o WGENE2384	Stages cliniques de génétique médicale 4e année, 1re partie		FR [q1+q2] [] [24 Credits] 						X		
o WGENE2394	Stages cliniques de génétique médicale 4e année, 2e partie		FR [q1+q2] [] [23 Credits] 						X		
o WGENE2374	Préparation au mémoire, 1re partie		FR [q1+q2] [] [2 Credits] 						X		

### o Cinquième bloc annuel (60 crédits)

o WGENE2315	Séminaires de génétique médicale (IU) 5e année	Anne De Leener (coord.)	FR [q1+q2] [60h] [6 Credits] 								X
o WGENE2325	Séminaire de dysmorphologie (5e année)	Anne De Leener (coord.)	FR [q1+q2] [24h] [3 Credits] 								X
o WGENE2345	Participation au congrès annuel de la Société belge de génétique humaine (5e année)		FR [q1+q2] [] [2 Credits] 								X
o WGENE2385	Stages cliniques de génétique médicale 5e année, 1re partie		FR [q1+q2] [] [24 Credits] 								X
o WGENE2395	Stages cliniques de génétique médicale 5e année, 2e partie		FR [q1+q2] [] [22 Credits] 								X
o WGENE2375	Préparation au mémoire, 2e partie		FR [q1+q2] [] [3 Credits] 								X

### o Sixième bloc annuel (60 crédits)

o WGENE2316	Séminaires de génétique médicale (IU) 6e année	Anne De Leener (coord.)	FR [q1+q2] [60h] [6 Credits] 								X
o WGENE2326	Séminaire de dysmorphologie (6e année)	Anne De Leener (coord.)	FR [q1+q2] [24h] [3 Credits] 								X
o WGENE2346	Participation au congrès annuel de la Société belge de génétique humaine (6e année)		FR [q1+q2] [] [2 Credits] 								X
o WGENE2386	Stages cliniques de génétique médicale 6e année, 1re partie		FR [q1+q2] [] [20 Credits] 								X
o WGENE2396	Stages cliniques de génétique médicale 6e année, 2e partie		FR [q1+q2] [] [19 Credits] 								X
o WGENE2376	Mémoire de génétique médicale (présentation orale)		FR [q1+q2] [] [10 Credits] 								X

## The programme's courses and learning outcomes

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For each UCLouvain training programme, a [reference framework of learning outcomes](#) specifies the the skills expected of every graduate on completion of the programme. Course unit descriptions specify targeted learning outcomes, as well as the unit's contribution to reference framework of learning outcomes.

## GENE2MC - Information

### Access Requirements

*In the event of the divergence between the different linguistic versions of the present conditions, the French version shall prevail.*

*Decree of 7 November 2013 defining the landscape of higher education and the academic organization of studies.*

*The admission requirements must be met prior to enrolment in the University.*

*Unless explicitly mentioned, the bachelor's, master's and licentiate degrees listed on this page are to be understood as those issued by an institution of the French, Flemish or German-speaking Community, or by the Royal Military Academy.*

***In the event of the divergence between the different linguistic versions of the present conditions, the French version shall prevail.***

#### SUMMARY

- [General access requirements](#)
- [Specific access requirements](#)

### General access requirements

Translated from [https://www.gallilex.cfwb.be/fr/leg\\_res\\_01.php?ncda=39681&referant=l02](https://www.gallilex.cfwb.be/fr/leg_res_01.php?ncda=39681&referant=l02)

Art. 112. of the "Décret définissant le paysage de l'enseignement supérieur et l'organisation académique des études" :

§ 1. In accordance with the general requirements established by the academic authorities, students who have:

1. a master's degree;
2. an academic degree similar to the one mentioned in the preceding paragraph awarded by a higher education institution in the Flemish Community or the German-speaking Community, or by the Royal Military Academy, by virtue of a decision of the academic authorities and in accordance with any additional requirements they may establish;
3. a foreign academic degree deemed equivalent to the one mentioned in paragraph 1, in accordance with this Decree, a European directive, an international convention or other legislation, in accordance with the same requirements.

The additional admission requirements referred to in paragraph 2 are intended to ensure that the student has acquired the knowledge and skills required for the studies in question. When the additional admission requirements consist of one or more additional course units, these may not represent more than 60 additional credits for the student, taking into account all the credits that he or she may otherwise use for admission. These course units are part of the student's study programme.

§ 2. In accordance with the general requirements established by the academic authorities, a student who holds a title, diploma, degree or certificate of higher education, in the French Community or outside it, which does not grant him or her eligibility for admission to a specialised master's course by virtue of the preceding paragraph, may nevertheless be admitted by the jury of the course in question, in accordance with the additional requirements that it establishes, if the totality of the higher education that he or she has completed or the expertise that he or she has acquired is valued by the jury to be at least 240 credits.

§ 3. By way of derogation from these general requirements, the academic authorities may also admit to a specialised master's course holders of a title, diploma, degree or certificate awarded outside the French Community which, in that system of origin, grants direct eligibility for postgraduate studies, even if the studies sanctioned by these credentials are not organised into distinct degree courses or within a time period of at least five years.

### Specific access requirements

- Hold a doctorate in medicine, a master's degree in medicine or a doctor from a member country of the European Union and enabling medical practice in Belgium.
- Be the bearer of a document attesting that the person concerned was, at the end of the selection test, selected as a candidate specialist in clinical genetics, in a Belgian medical faculty.

Registration and organization of the selection tests is done according to the calendar and the general competition rules. The legal context and practical details of this selection test can be obtained from the secretariat.

The training is limited to four years in clinical genetics if the specialist candidate has already obtained a level 2 qualification within the framework of which he followed, during his training, general clinical training of at least two years in a service of approved internship.

As with any other medical specialty, the holder of a diploma outside the European Union cannot register for this program, except within the framework of a university certificate of partial specialized training lasting two years ( if they are in the process of specializing in their country of origin) or in-depth specialized training lasting one year (if they are already recognized as specialists in their country).

The A.R. of June 12, 2008 relating to the planning of the medical offer published on June 18, 2008 is applicable for candidates who wish to obtain the title of specialist in clinical genetics.

#### Special conditions

Any situation which does not fall under the conditions set out above will be examined by the admission jury.

Non-French-speaking student applicants (EU and non-EU) must provide proof, in their application for admission, of sufficient command of the French language (level B1 of the Common European Framework of Reference, pages 24 to 29).

## Specific professional rules

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These studies lead to a professional title subject to specific rules or restrictions on professional accreditation or establishment.

You will find the necessary legal information by [clicking here](#).

## Evaluation

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*The evaluation methods comply with the [Academic regulations and procedures](#). More detailed explanation of the modalities specific to each learning unit are available on their description sheets under the heading "Learning outcomes evaluation method".*

### First part

At the end of these two years of general clinical training, each candidate will be evaluated during an interview intended to test their general knowledge. In application with A.R. from April 21, 1983, the candidate will receive, at the end of the first two years of training, a certificate proving that he has successfully completed specific university training.

### Second part

At the end of these four years of training in clinical genetics, each candidate will be evaluated according to the following criteria attesting to their in-depth knowledge in clinical genetics:

- Certificate of participation and success of the interuniversity course
- Certificate of participation in the annual meeting of the Belgian society for human genetics
- Writing of a documented thesis of 20 to 25 pages. If there is an article published by the first author, it could serve as a memory.
- Presentation of a communication to the Belgian Society of Human Genetics (BeSHG), or a Belgian or foreign society of equivalent level,

When the training requirements described above have been met, the teaching committee will award the academic title of specialization master in human genetics.

This title does not replace recognition by the ministerial accreditation committee. It attests to academic and scientific training as part of the specialized training leading to accreditation.

## Contacts

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### Curriculum Management

Faculty

Structure entity

SSS/MEDE

Denomination

Faculty of Medicine and Dentistry ([MEDE](#))

Sector

Health Sciences ([SSS](#))

Acronym

MEDE

Postal address

Avenue Mounier 50 - bte B1.50.04

1200 Woluwe-Saint-Lambert

Tel: [+32 \(0\)2 436 16 89](tel:+3224361689) - Fax: [+32 \(0\)2 764 50 35](tel:+3227645035)

Mandate(s)

- Dean : [Nicolas Tajeddine](#)

Commission(s) of programme

- Commission des masters de spécialisation et certificats en médecine ([MSCM](#))

Academic supervisor: [Anne De Leener](#)

Jury

- President of the jury: [Anne De Leener](#)
- Secretary of the jury: [Yves Sznajer](#)

Useful Contact(s)

- President of the master: [Anne De Leener](#)
- Vice-president of the master: [Yves Sznajer](#)

