



European Board of Medical Genetics

Clinical Laboratory Geneticists

Glasgow – 07.06. – WS07

Members

Chair

Thomas Liehr - Germany

Co-Chair

Isabel Carreira - Portugal

Members

Dilek Aktas - Turkey

Egbert Bakker - The Netherlands

Ana Carrio - Spain

Domenico Coviello - Italy

Lina Florentin - Greece

Martina Rincic - Croatia

Hans Scheffer - The Netherlands





Clinical Laboratory Geneticists

developed from the

Ad-hoc Committee for the Certification of Laboratory Geneticists

Genetics as a Laboratory Speciality in Europe



European Board of Medical Genetics

Clinical Laboratory Geneticists

What is our goal?

- There is a need for a European recognition of lab specialization in our field – to enable for individuals to work in other / all European countries.
- The EU is still in preparation of the regulation ('green paper')
- Thus ESHG decided to install the EBMG; here the title ErCLG is in preparation – goal: issue the European title from ESHG side. As soon as 'green paper' is approved ask the EU to accept that ErCLG-title as the EU-approved one.

green paper will be implemented in Jan 2016!



European Board of Medical Genetics

Clinical Laboratory Geneticists

What we did until 2014

- Collect data from all European countries if they have national titles.
- Establish a list which titles can be accepted for ErCLG (group 1).
based on a questionnaire sent out to 43 countries.

What we did until 2015

- Find ways for people whose titles cannot be accepted for CLG (group 2).
- Find ways for people coming from countries without national specialization how to become possibly eligible for the CLG title (group 3).



European Board of Medical Genetics

Clinical Laboratory Geneticists

What we did to identify group 1 to 3 countries?

- Collect data from all European countries if they have national titles.
- Questionnaires were sent out to volunteers/ colleges from 43 European countries



European Board of Medical Genetics

Clinical Laboratory Geneticists

- Questionnaires were sent out to volunteers/ colleges from 43 European countries – ~85 questions

Clinical Laboratory Genetics as an EU-recognized specialist profession - Aims and objectives for specialist training

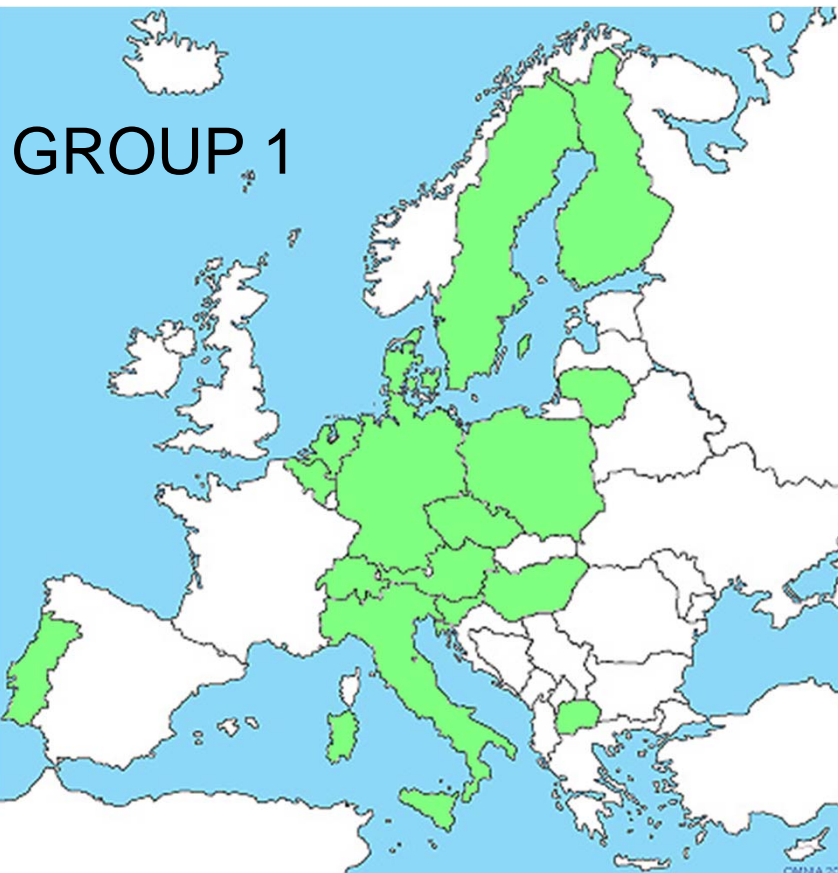
Questionnaire acc. to the draft of the EBMG - published on https://www.eshg.org/fileadmin/www.eshg.org/documents/committees/LabGenetics/ESHG_Clin_lab_gen_spes_final
AFTER FILLING IN DETAILS PLEASE SEND BACK TO: i8lith@mti.uni-jena.de

YOUR COUNTRY				
YOUR NAME				
YOUR ADDRESS				
YOUR E-MAIL				
		YES / NO / n.a.		Room for additional comments if any
We have national guidelines for education of a Clinical Laboratory Genetics				
if no:				
it is in preparation				IF NO ONLY: STOP HERE WITH FILLING FIELD
if yes:				
name of the specialisation is:				
Basics		YES / NO / n.a.		Room for additional comments if any
Clinical Laboratory Genetics in your country	is a laboratory speciality			
	has an academic level			
	includes cytogenetics			
	includes oncogenetics			
	includes molecular genetics			
	includes metabolic/biochemical genetics			



European Board of Medical Genetics

Clinical Laboratory Geneticists



national CLG certificate
in accordance with core curriculum



European Board of Medical Genetics

European registered Clinical Laboratory Geneticist (ErCLG)
Core curriculum

(February 2015; updated from paper issued by the European Society of Human Genetics Ad hoc committee for the accreditation of clinical laboratory geneticists, published in February 2012)



European Board of Medical Genetics

Clinical Laboratory Geneticists



national CLG certificate
not in accordance with core curriculum



European Board of Medical Genetics

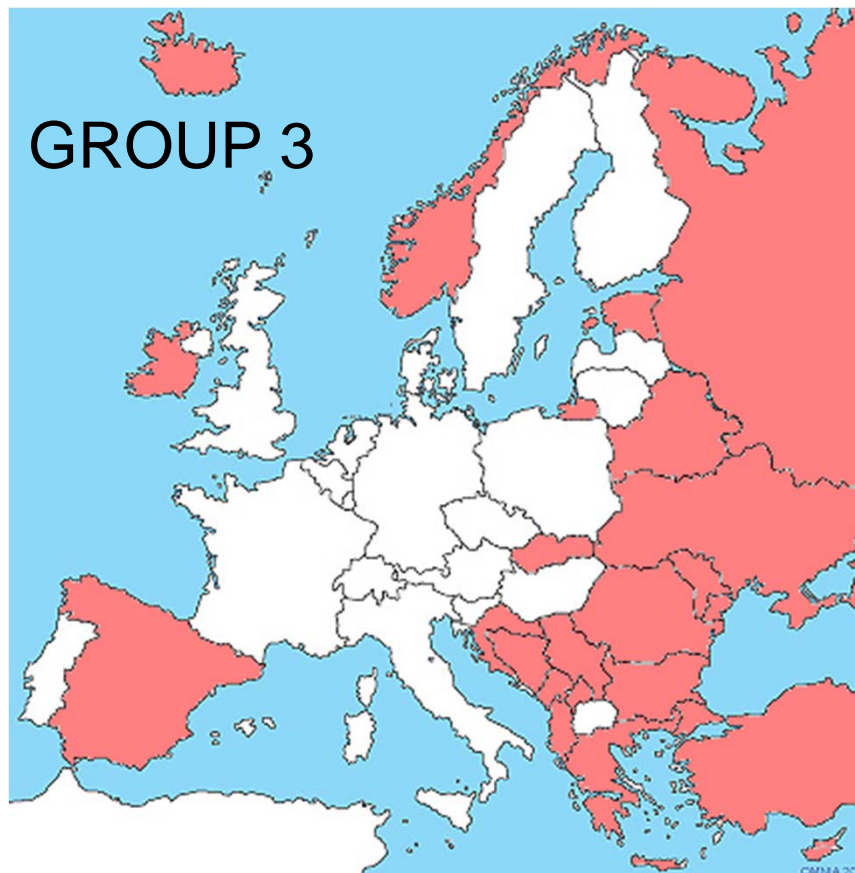
European registered Clinical Laboratory Geneticist (ErCLG)
Core curriculum

(February 2015; updated from paper issued by the European Society of Human Genetics Ad hoc committee for the accreditation of clinical laboratory geneticists, published in February 2012)



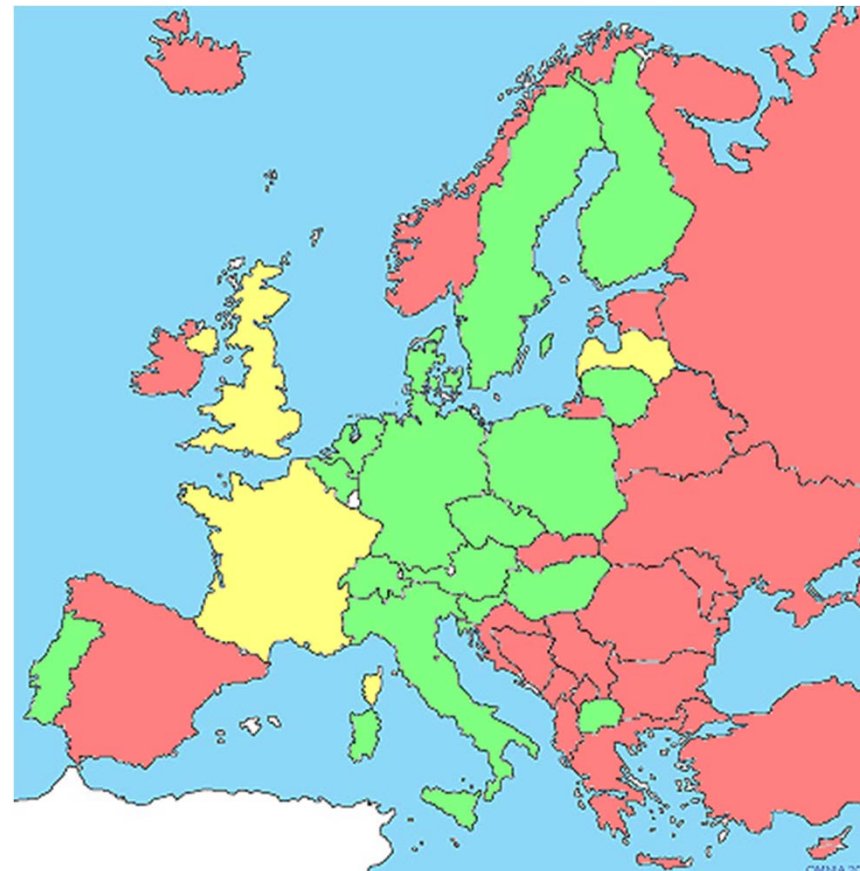
European Board of Medical Genetics

Clinical Laboratory Geneticists



no national CLG certificate

Clinical Laboratory Geneticists



Report from 1st round of applications for CLG in 2014/15

only open to group 1

2 step process

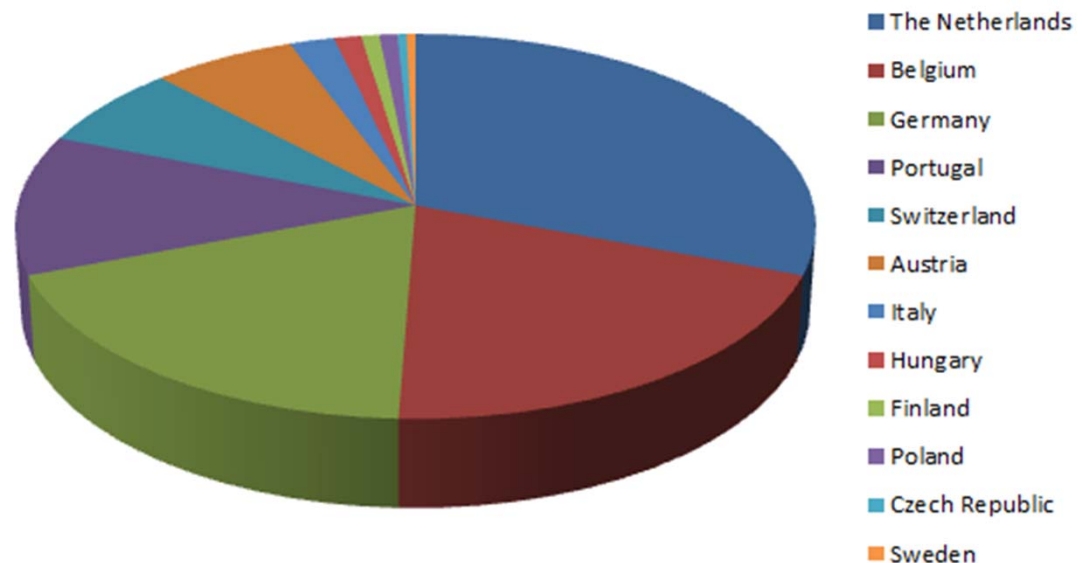
finished 15th January 2015

COUNTRIES	APPLICANTS	NOT PASSED
Austria	16	-
Belgium	52	3
Czech Republic	1	-
Finland	2	-
Germany	49	3
Hungary	3	-
Italy	5	-
Lithuania	0	-
Macedonia	0	-
Poland	3	1
Portugal	30	1
Slovenia	0	-
Sweden	1	-
Switzerland	19	2
The Netherlands	78	2
	259	12

	not eligible	with- drawn	not submitted in round 2
reason for not passing	4	2	6

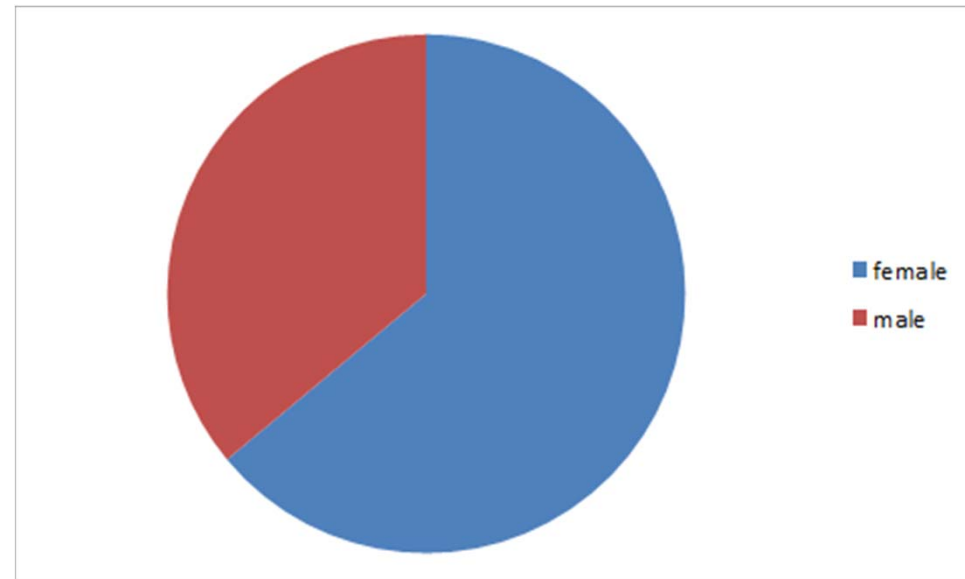
Report from 1st round of applications for CLG in 2014/15

COUNTRIES	PASSED APPLICANTS
Austria	16
Belgium	49
Czech Republic	1
Finland	2
Germany	46
Hungary	3
Italy	5
Lithuania	0
Macedonia	0
Poland	2
Portugal	29
Slovenia	0
Sweden	1
Switzerland	17
The Netherlands	76
	247



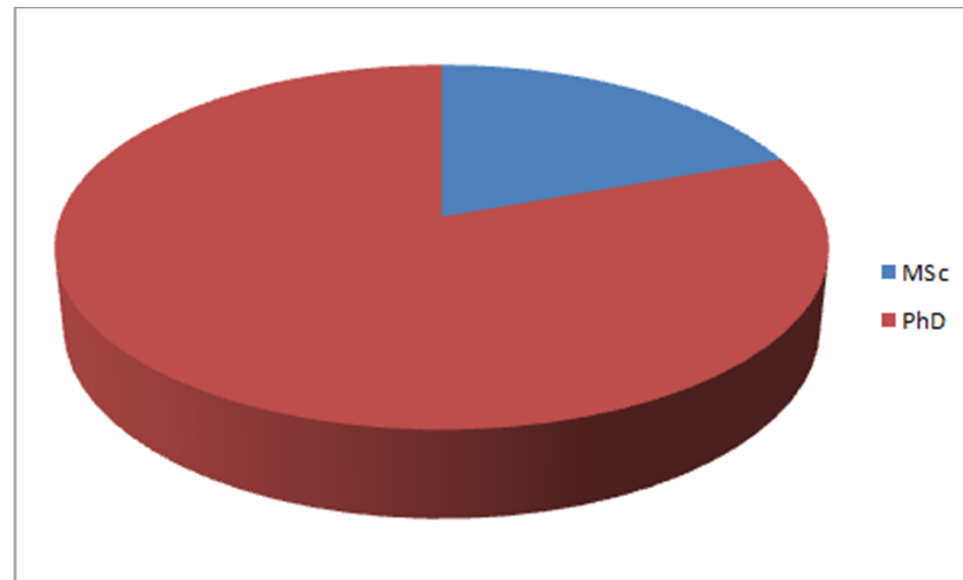
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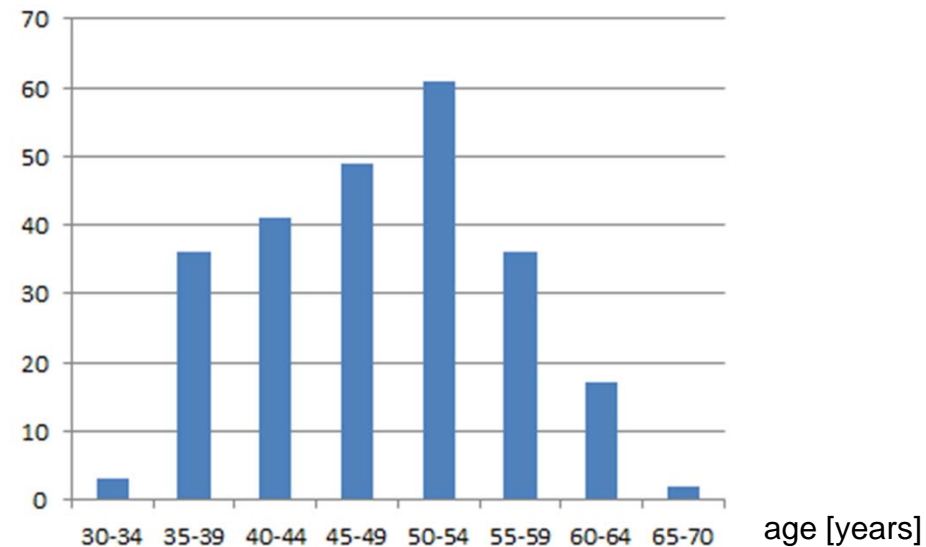
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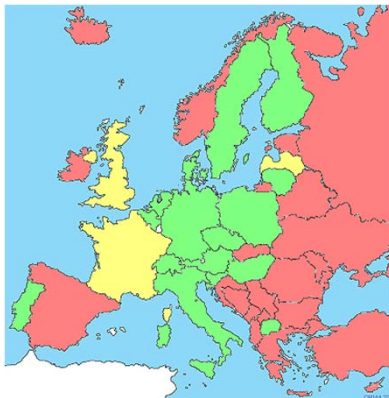


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Outlook on 2nd round of applications for CLG in 2015/16



- Open to all countries listed on



European Board of Medical Genetics

[News](#) [CLGs](#) [GN & GCs](#) [Medical Geneticists](#) [Meetings & Notes](#) [Complaints](#) [Documents](#) [Contact](#)

EBMG

- [European Registration Process](#)
- [Registered Clinical Laboratory Geneticists](#)
- [Country List](#)
- [Courses](#)
- [History of the board](#)

Clinical Laboratory Geneticists

Members

Chair
Thomas Liehr - Germany

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Basics

In accordance with the **goals of the EBMG** our Professional Branch Board has opened the possibility for recognition of practitioners / non-Medical Doctors working in Human Genetics diagnostics laboratories to be recognized as European registered Clinical Laboratory Geneticists (ErCLG).

A **core curriculum** for the ErCLG was established in 2012 and was slightly revised in 2015.

For the history of the Board see [here](#).

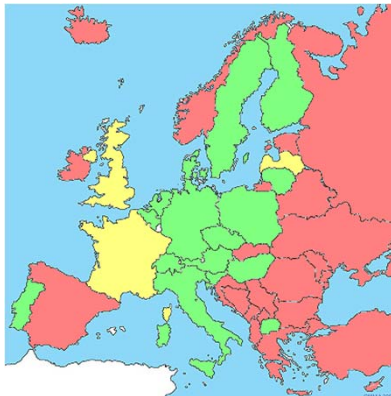
All our actions will hopefully be EU-recognized, as soon as **EU Directive 2005/36/EC** - policy developments and Proposal for modernising the Professional Qualifications Directive = **EU Directive 2013/55/EU** are approved by the European Parliament.

Outlook on 2nd round of applications for CLG in 2015/16

Countrylist

Country	Group	National Title	National representative (conf. = contact confirmed in 2015)
Albania	3	n.a.	Anila Babameto-Laku (conf.)
Armenia	3	n.a.	Kristine Hovhannesyan (conf.)
Austria	1	Fachhumangenetiker/ Fachhumangenetikerin (ÖGH)	Martina Witsch-Baumgartner (conf.)
Belarus	3	n.a.	Anna Kulpanovich (conf.)
Belgium	1	Medical genetic laboratory supervisor	Wim Wuyts (conf.)
Bosnia & Herzegovina	3	n.a.	Lejla Kapur Pojskic (conf.)
Bulgaria	3	n.a.	Draga Toncheva
Croatia	3	n.a.	Leona Morozin (conf.)
Cyprus	3	n.a.	Carolina Sismani (conf.)
Czech Republic	1	Clinical Bioanalytician in Clinical Genetics	Milan Macek (conf.)
Denmark	1	Klinisk laboratoriegenetiker (Clinical Laboratory Geneticist)	Lotte Risom (conf.)
Estonia	3	n.a.	Neeme Tõnisson (conf.)
Finland	1	Clinical Molecular Geneticist	Nina Horelli-Kuitunen
France	3	Biology option genetics	Benoit Ancelet (conf.)

Outlook on 2nd round of applications for CLG in 2015/16



- Open to all countries listed on
- **Online submission system** in progress and ready to be used for this application round



European Board of Medical Genetics

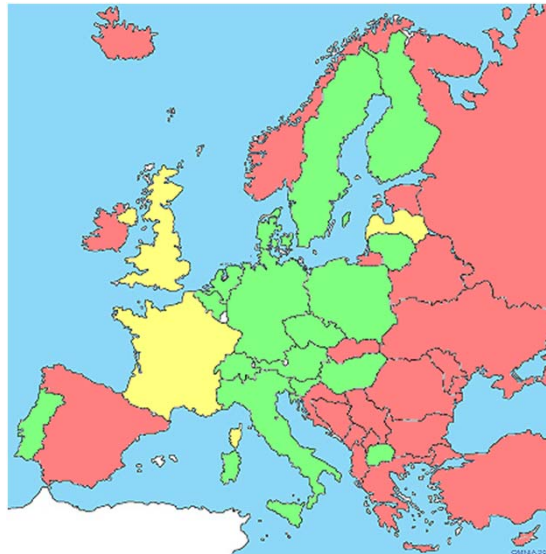
EBMG

- Start
- Login
- Registration
 - Applicant
- Submission
- Board members
 - Evaluate Submission Round 1
- Board
- Witness
- About
- Contacts
- Legal statements

Registration area for applicants

Fields marked with * are required!

First Name *	<input type="text" value="Herbert"/>
Last or Family name *	<input type="text" value="Müller"/>
Previous or maiden name (if applicable):	<input type="text"/>
Highest academic degree	<input type="text" value="M.Sc."/>
Gender *	<input type="text"/>



European Board of Medical Genetics

Thanks for listening.

Questions?

Members

Chair

Thomas Liehr - Germany

Co-Chair

Isabel Carreira - Portugal

Members

Dilek Aktas - Turkey

Egbert Bakker - The Netherlands

Ana Carrio - Spain

Domenico Coviello - Italy

Lina Florentin - Greece

Martina Rincic - Croatia

Hans Scheffer - The Netherlands

Web page



The screenshot shows the homepage of the European Board of Medical Genetics (EBMG). At the top, the EBMG logo (a circle of yellow stars) and the text "European Board of Medical Genetics" are displayed. Below this is a dark red navigation bar with white text links: News, CLGs, GN & GCs, Medical Geneticists, Meetings & Notes, Complaints, Documents, and Contact. On the left side, a light blue arrow points to a list of links under the heading "EBMG": European Registration Process, Registered Clinical Laboratory Geneticists, Country List, Courses, and History of the board. The main content area is titled "Clinical Laboratory Geneticists" and contains sections for "Members" (Chair: Thomas Liehr - Germany; Co-Chair: Isabel Carreira - Portugal) and "Basics". The "Basics" section explains the EBMG's goals and mentions the core curriculum established in 2012. It also references EU Directives 2005/36/EC and 2013/55/EU.

EBMG

- European Registration Process
- Registered Clinical Laboratory Geneticists
- Country List
- Courses
- History of the board

Clinical Laboratory Geneticists

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Web page

European registration process - Guidelines for applicants - CLGs

Additional specific criteria only to be fulfilled by applicants from group 3 countries

- At least overall 8 years of active diagnostic work in the field;
- Applicants working for more than 10 years should have signed reports during at least 3 of the last 5 years;
- At least 1 specialized course in Human Genetic diagnostics with a certificate proofing successful passing of a final test or daily tests and a duration of the course of at least 3 days ([link](#) for courses);
- At least 1 specialized course in Human Genetic diagnostics with a certificate proofing participation and a duration of the course of at least 3 days ([link](#) for courses);
- Examination by the EBMG Professional Branch Board for Clinical Laboratory Geneticists - date and place to be announced by January 15th of the year following the actual application round:
 1. written exam to test theoretical knowledge.
 2. individual oral discussion checking experience in diagnostics.

N.B. 1: If a group 3 country changes to a group 1 or 2 country, no applications via this route are possible, with immediate effect.

N.B. 2: Results of applications from group 3 countries will be announced after the examination date. This will always be later than for group 1 and 2.

Web page

European registration process - Guidelines for applicants - CLGs

Group 3 countries - examination:

Examination will be held normally together the annual ESHG-conference. Candidates will receive invitations by the board latest April 15th of the year after starting application. In case of more than ~30 candidates additional dates for examinations may be offered at different places around Europe. In case of passing the exam a certificate should be issued within 4 weeks by our office. In case of not passing the examination a complete new application can be submitted for the next round, starting in August 1st every year. Examination consists of 2 parts and is held in English language (mandatory!).

Part (a) is a written test, checking for theoretical background knowledge of the candidates;

Part (b) is an oral discussion, aiming to find out the diagnostic skills of the candidate. For this purpose, cytogenetic, molecular-cytogenetic and/or molecular genetic test results will have to interpreted and discussed. As we expect to meet here specialists in the field, we aim to have here a collegial conversation rather than a "testing situation".

Web page



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Web page

Courses potentially suited for ErCLG education

This list just includes examples for courses and makes no claim to completeness.
Also we do not know exactly content of all courses listed here.

Courses listed on ESHG website



ESHG call proposals for education

ESHG regards the professional education of geneticists as a top priority. To this aim, it has previously established courses in Medical and Genetic Counseling (all in Bertinoro, Italy). ESHG Dysmorphology held in Manchester.

The ESHG now invites proposals for 4 new courses:

- Statistical Genetics
- Hereditary Cancer
- Cardiac Genetics
- Prenatal and PGD

Proposals should include a brief outline of the program and an estimate of the number of students as well as the financial resources willing to organize the course at least 3 times between 2016 and 2021.

Courses will be expected to

- be open to participants from the whole of Europe
- be considered to be particularly important for the

Prof. Leonidas A. Phylactou Ph.D.

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Acting Provost | Cyprus School of Molecular Medicine
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European Society of Human Genetics Application for Support of a Course in Human Genetics Outline

Proposed course title:	Basics in human genetic diagnostics – a course for CLGs in education
Proposed date(s):	June 2016 – 5 days June 2017 – 5 days June 2018 – 5 days June 2019 – 5 days June 2020 – 5 days June 2021 – 5 days
Length (No. of days/hours):	1. day: 8 hours 2. day: 8 hours 3. day: 8 hours 4. day: 8 hours 5. day: 8 hours
Proposed venue:	June 2016 – Cyprus June 2017 – Greece June 2018 – Croatia June 2019 – Turkey