

UEMS SPECIALTY MEDICAL MICROBIOLOGY

as of 1 June, 2018

Country	Title in English ("in native language")	Current status (primary specialty, supraspecialty, etc...)	Duration of training (in years)	Comments
Austria (full member)	1) Clinical Microbiology and Hygiene ("Klinische Mikrobiologie und Hygiene") 2) Clinical Microbiology and Virology ("Klinische Mikrobiologie und Virologie")	Primary specialty	6 years	<i>One specialty with two tracks, slight differences in time spent on training topics.</i>
Belgium (full member of UEMS, observer in SMM)	Clinical Biology ("Klinische Biologie/Biologie Clinique")	No separate specialty	5 years	<i>Part of 5 years specialty, minimum 0.5 year. One specialty, giving the right to exercise clinical hematology, clinical chemistry and/or clinical microbiology; for hospital hygiene a separate master is needed; pharmacists also admitted for Clinical Biology Most Clinical biologists exercising de facto medical microbiology have longer training in microbiology</i>
Bulgaria (full member)	1) Microbiology (for physicians) (микробиология) 2) Microbiology (for Biologists)	Primary specialty	4 years	<i>One specialty with two tracks, slight differences in time spent on training topics for physicians and for biologists</i>
Czech Republic (full member)	Medical Microbiology ("Lékařská mikrobiologie")	Primary specialty	5 years	<i>While in this specialty program, first 24 months reserved to gain practice in general medicine (internal, pediatrics, surgery etc.)</i>
Croatia (full member)	Clinical Microbiology ("Klinička mikrobiologija")	Primary specialty	5 years	-
Denmark (full member)	Clinical Microbiology ("Klinisk mikrobiologi")	Primary specialty	5 years	<i>Minimum postgraduate training is 1 year basic clinical training (obligatory for all MDs), 1 year of introductory training + 4 years of specialist training. Specialist training to be begun within 5 years of</i>

				<i>graduation.</i>
Finland (full member)	Clinical Microbiology ("Kliininen mikrobiologia")	Primary specialty	5 years	-
France (observer)	Biology of infectious agents and infection control ("Biologie des agents infectieux-Hygiène hospitalière")	Subspecialty at the university but not officially recognized with a Professional Agreement	5 years (3 years medical biology and 2 years subspecialty)	<i>This might change with a new diploma to 4 years.</i>
Germany (full member)	Microbiology, Virology and Infectious Disease Epidemiology („Facharzt für Mikrobiologie, Virologie und Infektionsepidemiologie“)	Primary specialty	5 years	<i>1 of the 5 years is dedicated to training in clinical setting, e.g. internal medicine, surgery, pediatrics (acute care hospital) a.) Diagnostics of infectious diseases (analytical phase + pre- / post-analytical phase), Medical microbiology/pathology of infectious diseases, b.) antiinfective / antibiotic therapy, c.) epidemiology of infectious diseases, including hospital hygiene/infection prevention and control, d.) corresponding aspects of legislation and prevention of infectious diseases in care facilities as well as public health.</i>
Greece (observer)	Clinical Microbiology («Κλινική Μικροβιολογία»)	official subspecialty (particular qualification) for specialists in Medical Biopathology (primary specialty)	2 years	<i>2 years after the acquisition of the primary specialty training in clinical wards focusing on infectious diseases (ICU, Internal Medicine, Surgery etc.)</i>
Hungary (full member)	Medical Microbiology# ("Orvosi mikrobiológia")	Primary specialty	5 years	-
Ireland (full member)	Clinical Microbiology ("Clinical Microbiology")	Primary specialty	5 years	<i>The training is in Clinical Microbiology and Infection Prevention and Control</i>
Italy (full member)	Microbiology and Virology ("Microbiologia e Virologia")	Primary specialty	5 years	<i>1 year postgraduate training (tirocinio)+ 4 years specialization course</i>
Latvia	Clinical Microbiology ("klīniskais mikrobiologs")	Primary specialty	4 years	<i>At the moment for young</i>

(full member)				<p>Physicians specialty is not available as there is no training programme in Clinical microbiology in the Universities of Latvia.</p> <p>According to governmental regulations there is no other possibility to obtain the profession of Clinical microbiology for Medical doctors. We have Clinical microbiologist certificates to those who had a certificate in laboratory medicine, work in microbiology field and have continuous education in microbiology.</p>
Macedonia (observer)	<p>Medical Microbiology with Parasitology</p> <p>(Медицинска микробиологија со паразитологија)</p>	Primary specialty	4 years	-
The Netherlands (full member)	<p>Medical Microbiology</p> <p>("Medische microbiologie")</p>	Primary specialty	5 years	<p>Nominal duration 5 years, with commitment to achieve acceleration by on average 6 months (max. 12 months) in 2022.</p>
Norway (full member)	<p>Medical Microbiology</p> <p>("Medisinsk mikrobiologi")</p>	Primary specialty	5 years	<p>4 years microbiology + 1 year clinical training</p>
Poland (full member)	<p>Medical Microbiology</p> <p>(„Mikrobiologia Lekarska“)</p>	Primary specialty	5 years	-
Romania (full member)	Laboratory Medicine	Primary specialty	4 years	<p>Includes Microbiology, Biochemistry and Lab-Haematology</p>
Serbia (observer)	<p>Medical Microbiology</p> <p>(“Medicinska mikrobiologija”)</p> <p>Bacteriology</p> <p>(“Bakteriologija”),</p> <p>Mycology</p> <p>(“Mikologija”),</p> <p>Parasitology</p> <p>(“Parazitologija”),</p> <p>Virology</p> <p>(“Virusologija”).</p>	Primary specialty with supraspecialties	4 years each year	<p>first 6 months reserved to gain practice in internal medicine.</p>
Slovakia (full member)	<p>Clinical Microbiology</p> <p>(“Klinická mikrobiológia”)</p>	Primary specialty	4 years	<p>1 year of clinical practice and 3 years of laboratory practice and training</p>

Slovenia (full member)	Clinical Microbiology ("Specializacija iz klinčne mikrobiologije")	Primary specialty	5 years	-
Sweden (full member)	Clinical Microbiology ("Klinisk mikrobiologi")	Primary specialty	5 years	
Switzerland (full member)	Medical Microbiology („Medizinische Mikrobiologie, Microbiologie médicale, Microbiologia medicale“)	Primary specialty	4 years	
Turkey (associate member)	Medical Microbiology ("Tıbbi Mikrobiyoloji")	Primary specialty	4 years	<i>There is another primary specialty titled „Infectious diseases and clinical microbiology (ID-CM)“ with a training duration of only five years in Turkey. This is a conflict, since sole Medical Microbiology clerkship duration is four years. Another problem in that area is that the graduates of ID-CM specialty gain the right to work in both infectious diseases and clinical microbiology areas although they do not have any obligatory clerkship education in clinical microbiology laboratory.</i>
UK (full member)	Separate specialties Medical Microbiology Medical Virology	Both are primary specialties	6 years, but before this, all doctors must spend 2 years general training after leaving medical school	After 2 years general training: * 2 years basic physician training (can then enter any medical speciality e.g. cardiology, neurology, etc.) * 2 years basic specialist training – “combined infection training” (identical training for microbiology, virology and infectious diseases); * 2 years higher training in either microbiology OR virology OR infectious diseases NB: INSTEAD of last 2 years, trainees can do 3years and be accredited in both microbiology and ID OR virology and ID. Combined microbiology and virology is NOT possible.