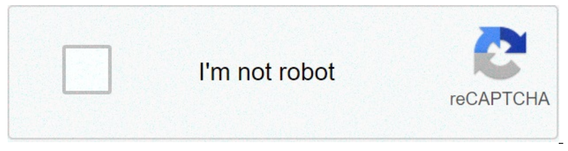

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Medical microbiology and parasitology

ECTS: 8 Status: Compulsory Course Course coordinator: Maja Abram, MD, PhD, Full Professor E-mail: maja.abram@medri.uniri.hr Collaborators: Marina Šantić, PhD, Full Professor E-mail: marina.santic@medri.uniri.hr Ivana Gobin, PhD, Associate Professor E-mail: ivana.gobin@uniri.hr Mateja Ožanić, PhD, Assistant Professor E-mail: mateja.ozanic@medri.uniri.hr Valentina Marečić, PhD E-mail: valentina.marecic@medri.uniri.hr Bojana Mohar-Vitezić, PhD E-mail: bojana.mohar@medri.uniri.hr Mirna Mihelčić, PhD E-mail: mihelcic@medri.uniri.hr © 1996-2015, Amazon.com, Inc. or its affiliates by Nanda Maheshwari The "Clinical Microbiology and Parasitology for DMLT Students" depicts bacterial typing, various serological techniques, molecular level of diagnosis, and virology. The section virology includes the elaborate study of many clinically important viruses, such as chikungunya, oncogenic viruses, herpes viruses, etc. Automation in microbiology highlights the role of new techniques and advanced machinery in the field of microbiological diagnosis for fast and accurate results. Major topics include general biology, discovery of microbial world, growth of bacteria, nutrition of bacteria, classification of bacteria, microscope, laboratory equipment, sterilization and disinfection, types of culture media, staining of bacteria, biochemical tests, Gram-negative bacilli, Gram-positive bacilli, Gram-positive cocci, Gram-negative cocci, and mycoplasma. Other topics include actinomycetes, rickettsiaceae, chlamydia, spirochetes, pathogenic fungi, antigen-antibody reactions, viruses, virology specimen collection, molecular diagnostic tests, HIV and AIDS, dengue fever, chikungunya, herpesviruses, influenza, rabies, oncogenic viruses, vaccines, plasmodium, toxoplasma gondii, Ancylostoma and Necator species, enterobius vermicularis and automation in microbiology. Select Section Section 1: Microbiology Section 2: Virology Section 3: Parasitology [Please select above dropdown to change Section] Chapters of the selected section will be displayed in the chapter section below. ADD TO FAVOURITES NLM ID: 101566336 Index Copernicus Value: 84.45 Bacteriology is the conventional branch of Microbiology, which focuses on basic microbiology, host-pathogen interactions, biochemistry, molecular biology and mechanisms, ecology and epidemiology of bacteria. Parasitology is a closest relative of Medical Microbiology that encompasses the parasite world ranging from protozoans to helminthes. The Journal of Bacteriology & Parasitology is specialist journal, which is known for its state-of –the –art presentation of the latest discoveries in Bacteriology and Parasitology. Bacteriology and Parasitology is a dynamic field, as these worms constantly change the morphology, hosts, and host relationships. Therefore, Journal of Bacteriology and Parasitology adds new discoveries to our basic knowledge by which the information transforms from basic understanding to practical and clinical application. Since, these fields producing exciting discoveries and information on a regular basis, the Journal Bacteriology and Parasitology updates the microbiologists, pathologists, clinicians and veterinary specialists. As an electronic based Open Access journal, The Journal of Bacteriology and Parasitology is the prime priority among the research communities for updated path breaking discoveries in Bacteriology and Parasitology. This journal considers articles from all aspect of understanding related to bacteriology and parasitology, which includes Bacterial Ecology, Parasitic Infection, Pathogenic Bacteria, Bacterial toxin, Bacterial genomics, Bacteraemia, Salmonella, Bacterial Diseases, Intestinal parasites, Parasitic Worms, Anthrax, Clostridial infections, Leprosy, Listeriosis, etc. High quality submissions are expected to maintain the standard of the journal and to attain high impact factor. Journal of Bacteriology & Parasitology is using Editorial Tracking System for quality in review process. Editorial Tracking is an online manuscript submission, review and tracking systems used by most of the best open access journals. Review processing is performed by the editorial board members of Journal of Bacteriology & Parasitology or outside experts; at least two independent reviewers approval followed by editor's approval is required for acceptance of any citable manuscript. Authors are requested to submit their manuscripts or as an e-mail attachment to cookies to track usage and preferences. data-cookieacceptext=I Understand data-cookiedeclinetext=Disable Cookies data-cookiepolicytext=Privacy Policy> 1887 Journal of Medical Microbiology is the go-to interdisciplinary journal for medical, dental and veterinary microbiology, at the bench and in the clinic. It provides comprehensive coverage of medical, dental and veterinary microbiology and infectious diseases, welcoming articles ranging from laboratory research to clinical trials, including bacteriology, virology, mycology and parasitology. See full journal scopeNOTE: Journal of Medical Microbiology has now moved to continuous publication. The 'Open issue' will display the latest published articles, which will be continuously added throughout the month.Editorial BoardCo-Editor-in-Chief: Dr Norman Fry, Public Health England, UKCo-Editor-in-Chief: Professor Kalai Mathee, Florida International University, USAMore More Less This is a required field Please enter a valid email address Approval was a Success Invalid data An Error Occurred Approval was partially successful, following selected items could not be processed due to error Microbiology Society: BROWSE_VIEW_LIST The department of Medical Microbiology is involved in education in a variety of ways. We offer degree programs which train students to become medical microbiologists and medical molecular microbiologists. Medical Microbiology contributes to the degree program which trains students to become infectiologists. Medical interns can come to receive a brief introduction to medical microbiology. Researchers in training and students (WO and HBO) can come to our department for education and internships. We offer a degree program which trains students to become infection prevention experts. The degree program which trains students to becoming a medical microbiologist can be taken after the Medicine study program and lasts for 5 years. During the degree program, students are taught to provide support in the field of infectious diseases. Students also learn to carry out the following tasks: laboratory diagnostics peer consultation laboratory management policy formation and development of protocols and guidelines epidemiology of infectious diseases and hospital hygiene public healthcare providing information, education, and training scientific research Upon completion, students are registered as medical microbiologists in the register of specialists (MSRC). View the entire degree program curriculum on the website of the Nederlandse Vereniging Medische Microbiologie (Netherlands association of medical microbiology). The roadmap to become a medical microbiologist Medical Molecular Microbiologist degree program The Medical Molecular Microbiologist (MMM) degree program delves deeper into the development, performance, and interpretation of molecular diagnostic research in microbiology. This two-year degree program begins after registration as a Medical Microbiological Researcher (MMO) with the Stichting voor Opleiding tot Medisch-Biologisch Wetenschappelijk Onderzoeker (SMBWO - Foundation for the training of medical-biological scientific researchers). Information about the MMO degree program can be found in the Medical Microbiology section on the website of SMBWO. The degree program is divided into 3 periods. After each period, an evaluation by the instructor will follow. The general format is as follows: 18 months of molecular diagnostics and molecular epidemiology 4 months of conventional bacteriology, virology, parasitology, mycology, and serology 2 months of infection prevention, quality, management, and education As a Medical Molecular Microbiologist in training, you will record your progress in a log book. You will discuss this with your instructor. They will sign your log book. After a discussion in the general assembly of the Concilium Microbiologicum Medicum (MMM), you will receive the certificate of “Medical Molecular Microbiologist”. Next, you will be entered into the MMM register of the Nederlands Vereniging voor Medische Microbiologie (Netherlands association for medical microbiology). Read the full description of the Medical Molecular Microbiologist degree program and the professional profile on the website of the Nederlandse Vereniging voor Medische Microbiologie. Clinical Mycology course for interns Clinical mycology is a small but significant part of medical microbiology. Mold can cause serious infections in patients with weakened immune resistance. That is why it is very important to start with the right antifungal agent in the proper dosage to the patient. The course is specifically designed for PhD candidates in medical microbiology and is annually offered by the Expertisecentrum voor Schimmelinfecties (Expertise center for fungal infections) of Radboud university medical center/CWZ hospital. Course information (in Dutch) Medical Microbiology and Immunology covers all aspects of the interrelationship between infectious agents and their hosts. Among the major topics covered are microbial and viral pathogenesis and the immunological host response to infections. The journal also publishes information from other fields of microbiology, including mycology and parasitology.In 1886, Medical Microbiology and Immunology was founded by Robert Koch and Carl Flügge, who shaped the journal as Editors-in-Chief for more than 20 years. Originally named “Zeitschrift für Hygiene”, it was renamed multiple times in the light of scientific and medical advances and the emergence of new research disciplines, before adopting its current name Medical Microbiology and Immunology in 1971. See "Journal History" under additional information on the right hand side to learn more. Covers the interrelationship between infectious agents and their hosts Explores all major topics in the discipline Publishes information from related fields Editors-in-Chief Volkhard A. J. Kempf, Matthias J. Reddehase, Christian Bogdan Publishing model Hybrid (Transformative Journal). Learn about publishing Open Access with us 1.961 (2019)Impact factor 2.464 (2019)Five year impact factor 38 daysSubmission to first decision 128 daysSubmission to acceptance 184,089 (2020)Downloads As a result of the significant disruption that is being caused by the COVID-19 pandemic we are very aware that many researchers will have difficulty in meeting the timelines associated with our peer review process during normal times. Please do let us know if you need additional time. Our systems will continue to remind you of the original timelines but we intend to be highly flexible at this time. We advance infectious disease research since 1886 Learn more about our Editors! View all updates