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|  Curriculum Vitae |  |
| Personal information |  |
| First name(s) / Surname(s)  | Mona Sallam / Embarek Mohamed  |
| Address(es) |  **Home:** 26 Magles El Madina street, Manflout, Assiut, Egypt **Work:** Department of Microbiology and Immunology, Faculty of Medicine, Assiut University, Assiut, Egypt |
| Telephone(s) | Fixed: 0020-884705333Work: 0020-882411899 0020-882413500  | Mobile: 0020-1021360422 |
| Fax(es) | 002 – 0882333327  |
| E-mail(s) | monasallam2000@yahoo.com  |
| Date of birth | 27/08/1974 |
| Gender | Female  |
| Marital Status | Married, three children  |
| Position | Assistant Professor of Microbiology and Immunology, Faculty of Medicine, Assiut University, Assiut, Egypt. |
| **Education and training** |  |
| **Dates** | **1998**  |
| Title of qualification awarded | Primary medical degree: M.B.B.Ch. |
| Name and type of organisation providing education and training | Faculty of Medicine, Assiut University, Assiut, Egypt |
| Level  | Very Good with degree of honour |
| **Dates** | **2005** |
| Title of qualification awarded | - Master’s degree in Microbiology and Immunology  Title of Thesis: “Surgical Site Infection at Assiut University Hospitals„  |
| Name and type of organisation providing education and training | Faculty of Medicine, Assiut University. |
| Level in national or international classification | Excellent degree. |
| **Dates** | **2011-2012** |
| Title of qualification awarded | **-First part of Doctoral degree in Microbiology and Immunology** In: Scientific Research Methodology & Statistical Analysis.**-Second part of Doctoral degree in advanced Microbiology and Immunology****-MD in human medicine** Title of Thesis: “Viral pathogens associated with lower respiratory tract infection„  |
| Name and type of organisation providing education and training | Faculty of Medicine, Assiut University.[Charité](http://www.google.com.eg/url?sa=t&rct=j&q=&esrc=s&source=web&cd=1&cad=rja&ved=0CCsQFjAA&url=http%3A%2F%2Fwww.charite.de%2Fen%2Fcharite%2F&ei=-mcMU9HnJIWCzAOkxoGwDA&usg=AFQjCNGzNtzvG9vEDOjz1ilIfDcKWWXcxQ&bvm=bv.61725948,d.bGQ) Medical University, Berlin, Germany |
| Level in international classification | Very good degree. |
| Work experience |  |
| **Dates** | **29.09.2016→ now** |
| Occupation or position held | Assistant Professor of Microbiology and Immunology at the Faculty of medicine, Assiut University.  |
| **Dates** | **28.02.2011→ 29.09.2016** |
| Occupation or position held | Lecturer of Microbiology and Immunology at the Faculty of medicine, Assiut University.  |
| **Main activities / responsibilities** | **Teaching:** * Teaching Microbiology and Immunology for undergraduate students of the Faculty of Medicine, Faculty of Dentistry Medicine, Faculty of Veterinary Medicine, Faculty of Pharmacy, and the technical health Institute.
* Teaching Microbiology and Immunology to the post-graduate students.

**Infection Control Unit:*** Working as a member of the Infection Control Unit at Assiut University Hospitals for surveillance and control of nosocomial infection, decontamination methods, operating theatres, and hospital awards, infection prevention and control aspects of nursing procedures.
* Detection of outbreaks of hospital-acquired infections.
* Screening for multi-resistant organisms include: Extended-spectrum beta lactamase (ESBL)-producing bacteria, Methicillin Resistant *Staphylococcus Aureu*s (MRSA), Vancomycin-resistant enterococci (VRE)
* Advice to clinicians about disinfection, sterilization and isolation procedures.
* Policy for rational use of antibiotics.
* Microbiological examination of water samples.

**Clinical work at the Microbiology & Immunology Department**, Faculty of Medicine:* Bacterial identification through microscopy, staining procedures, bacterial culture, biochemical reactions, determining viable counts, anaerobic cultivation, and antibiotic sensitivity testing.
* Virology Unit: Tissue culture techniques, viral neutralization, Plaque assay, PCR.
* Serology: Immunofluorescence, Enzyme-linked-immunosorbent assay (ELISA).
* Molecular amplification methods: extraction of nucleic acid from blood and various body tissues and secretions, conventional and real-time PCR.
* Mycology Unit: Identification of Fungi of medical importance up to the species level and antifungal sensitivity testing.
* Examination of pathological materials: blood, wound specimens, body fluids, urine, respiratory specimens.
 |
| **Dates** | **04.06.2007-30.09.2009** |
| Occupation or position held | **DAAD scholarship holder at Robert Koch Institute, Berlin, Germany.** |
| Main activities and responsibilities | * Detection and differentiation of Influenza, RSV, Adenovirus, and *human Metapneumovirus* genes from 813 respiratory samples by real-time PCR.
* Viral isolation through tissue culture technique.
* Titration of influenza viruses by plaque assay and hemagglutination assay.
* Antigenic characterization of influenza viruses by hemagglutination-inhibition assay.
* Typing of adenoviruses by Fluorescence curve melting analysis.
* Sequencing and phylogenetic analysis of the detected viruses.
 |
| Name and address of employer | Under supervision of Prof. Dr. Wolfram Brune (wolfram.brune@hpi.uni-hamburg.de) und Dr. Brunhilde Schweiger (SchweigerB@rki.de), Robert Koch Institute, Berlin, Germany. |
| **Dates**Occupation or position held  **Dates** Occupation or position held | **31.07.2005-03.06.2007 and 01.10.2009-27.02.2011****Assistant lecturer of Microbiology and Immunology, Faculty of medicine****19.03.2001- 30.07.2005****Demonstrator of Microbiology and Immunology, Faculty of medicine** |
| Main activities and responsibilities | Practical training of undergraduate students:* Method of collection and processing of pathological specimens for bacteriological examination.
* Direct microscopy and staining techniques.
* Isolation of bacterial strains on culture media, and identification of the isolated microorganism up to the species level.
* Basic methods for sterilization and disinfection.
* Bacterial viable counts.

Clinical work at the Microbiology & Immunology Department, Faculty of Medicine:* Microbial examination of pathological materials.
* Bacterial identification through microscopy, staining procedures, bacterial culture, biochemical reactions, anaerobic cultivation, serological methods, and antibiotic sensitivity testing.
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| **Dates** Occupation or position heldMain activities and responsibilities | **01.03.2000-28.02.2001****Resident Physician, Clinical Pathology Department, Assiut University Hospitals.**Blood bank:* Collection, labelling, examination of blood, plasma, and other blood components for transfusion.
* Cross matching of blood samples.
* Preparation of blood for patients at the different awards at hospital.
* Direct supervision of the blood donation process, and safety of the donors.

Chemistry laboratory:* Measurement of serum glucose, kidney chemistry, liver function tests, lipid profile, body hormones......etc for diagnosis of diseases.
* Chemical and cytological examination of cerebrospinal fluid level in cases of meningitis.

Coagulation laboratory:* Diagnosis of different coagulation disorders.

Haematology unit:* Diagnosis of different haematological disorders: lymphoma, leukaemia...etc
 |
|  **Dates**  Occupation or position held Main activities and  responsibilities  | **01.03.1999-27.02.2000** House officer at Assiut University Hospital, Faculty of Medicine.-Training as a general practitioner in medicine (departments of General Medicine, general Surgery, Neurology, ENT, anaesthesia and Intensive Care Unit, Gynaecology and obstetrics, Paediatrics, Clinical Pathology).  Training for 2 months in each department |
| **Education and training** |  |
| **Dates** | **1998**  |
| Title of qualification awarded | Primary medical degree: M.B.B.Ch. |
| Name and type of organisation providing education and training | Faculty of Medicine, Assiut University  |
| Level in national or international classification | Very Good with degree of honour |
| **Dates** | **2005** |
| Title of qualification awarded | - Master’s degree in Microbiology and Immunology  Title of Thesis:  “Surgical Site Infection at Assiut University Hospitals„  |
| Name and type of organisation providing education and training | Faculty of Medicine, Assiut University. |
| Level in national or international classification | Excellent degree. |
| **Dates** | **2011-2012** |
| Title of qualification awarded | * First part of Doctoral degree in Microbiology and Immunology

 **In:** Scientific Research Methodology & Statistical Analysis.* Second part of Doctoral degree in advanced Microbiology and Immunology
* MD in human medicine

 Title of Thesis: “Viral pathogens associated with lower respiratory tract infection„  |
| Name and type of organisation providing education and training | Faculty of Medicine, Assiut University.[Charité](http://www.google.com.eg/url?sa=t&rct=j&q=&esrc=s&source=web&cd=1&cad=rja&ved=0CCsQFjAA&url=http%3A%2F%2Fwww.charite.de%2Fen%2Fcharite%2F&ei=-mcMU9HnJIWCzAOkxoGwDA&usg=AFQjCNGzNtzvG9vEDOjz1ilIfDcKWWXcxQ&bvm=bv.61725948,d.bGQ) Medical University, Berlin |
| Level in national or international classification | Very good degree. |
| Personal skills and competences |  |
| Mother tongue(s) | Arabic |
| Other language(s) |  |
| Assessment |  | Understanding | Speaking | Writing |
| European level (\*) |  | Listening | Reading | Spoken interaction | Spoken production |  |
| English: |  | C2  | Proficient user  | C2  | Proficient user  | C1  | Proficient user  | C1  | Proficient user  | C2  | Proficient user  |
| German:  |  | A2  | Basic User  | B1  | Independent user  | A2  | Basic User  | A2  | Basic User  | B1  | Independent user  |
|  | (\*) Common European Framework of Reference (CEF) level |
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| Official Language Certificates |
| German:  |
| English:  |

 | Mittelstufe B2. **TOEFL: Score 553** **English is the learning language at the Faculty of Medicine, Egypt** |
| Social skills and competences | Team spirit; * Good ability to adapt to multicultural environments, Good communication skills gained through my experience as a doctor.
 |
| Organisational skills and competences | Good experience in project or team management gained through my work at the Faculty of Medicine, Assiut University, and gained through my work in the Doctor and Master Degree with my colleges and my supervisor professors. |
| Computer skills and competences | -Good command of Microsoft Office™ tools (Information Technology, windows, Word™, Excel™ and PowerPoint™, Access™, Internet). -Good command of **SPSS** program. |
| Additional information | **Workshops, seminars, and conferences attended:** (1) The Genetic Engineering and Molecular Biology Center at Assiut University: - Theoretical and practical basis of neuronal cell culture (13-15.11.2005).  - Principles and applications of real-time PCR (21-23.02.2006).  - Cell line tissue culture (9-11.05.2006). - Conventional PCR to real-time PCR (26-29.6.2006). (2) The 5th annual conference of liver diseases and tropical medicine (19.03.2002) organized by the department of liver diseases and tropical medicine. (3) The 19th annual meeting of the Society for Virology (GfV) (18-21.03.2009) in Leipzig (Universität Leipzig)- Institut für Virologie, Germany. (4) Robert Koch Institute (RKI):- The weekly seminars at the National Influenza Center, RKI, Berlin, Germany.- The weekly seminars at Robert Koch Institute, Berlin, Germany. -Medizinischtechnischen fortbuildung zum thema (Grundlagen der Nukleisäuresequenzierung) 26.05.2009 by Barbara Biere and Julia Tesch.- Qualitäts dokumentation an RKI: Aktueller Stand und Perspektiven 22.09.2009 by Dr. Andreas Nitsche. (5) The 21st conference of the Egyptian Society for Medical Microbiology (ESMM) 25.04.2015 in Cairo (6) The 23rd conference of the Egyptian Society for Medical Microbiology (ESMM) 01.04.2017 in Cairo(7) The 24th conference of the Egyptian Society for Medical Microbiology (ESMM) 31.03.2018 in Cairo |

**Publications**

1- [Embarek Mohamed MS](http://www.ncbi.nlm.nih.gov/pubmed/?term=Embarek%20Mohamed%20MS%5BAuthor%5D&cauthor=true&cauthor_uid=24669221), [Reiche J](http://www.ncbi.nlm.nih.gov/pubmed/?term=Reiche%20J%5BAuthor%5D&cauthor=true&cauthor_uid=24669221), [Jacobsen S](http://www.ncbi.nlm.nih.gov/pubmed/?term=Jacobsen%20S%5BAuthor%5D&cauthor=true&cauthor_uid=24669221), [Thabit AG](http://www.ncbi.nlm.nih.gov/pubmed/?term=Thabit%20AG%5BAuthor%5D&cauthor=true&cauthor_uid=24669221), [Badary MS](http://www.ncbi.nlm.nih.gov/pubmed/?term=Badary%20MS%5BAuthor%5D&cauthor=true&cauthor_uid=24669221), [Brune W](http://www.ncbi.nlm.nih.gov/pubmed/?term=Brune%20W%5BAuthor%5D&cauthor=true&cauthor_uid=24669221), [Schweiger B](http://www.ncbi.nlm.nih.gov/pubmed/?term=Schweiger%20B%5BAuthor%5D&cauthor=true&cauthor_uid=24669221), [Osmann AH](http://www.ncbi.nlm.nih.gov/pubmed/?term=Osmann%20AH%5BAuthor%5D&cauthor=true&cauthor_uid=24669221). [Molecular Analysis of Human Metapneumovirus Detected in Patients with Lower Respiratory Tract Infection in Upper Egypt](https://scholar.google.com.eg/citations?view_op=view_citation&hl=en&user=dLTVbyQAAAAJ&imq=Mona+Embarek+Embarek&btnA=1&citation_for_view=dLTVbyQAAAAJ:u5HHmVD_uO8C). [Int J Microbiol.](http://www.ncbi.nlm.nih.gov/pubmed/?term=Molecular+Analysis+of+Human+Metapneumovirus+Detected+in+Patients+with+Lower+Respiratory+Tract+Infection+in+Upper+Egypt) 2014; 2014:290793. doi: 10.1155/2014/290793. Epub 2014 Jan 30. <http://dx.doi.org/10.1155/2014/290793>

2- [Attia RA](http://www.ncbi.nlm.nih.gov/pubmed/?term=Attia%20RA%5BAuthor%5D&cauthor=true&cauthor_uid=26676322), [Mahmoud AE](http://www.ncbi.nlm.nih.gov/pubmed/?term=Mahmoud%20AE%5BAuthor%5D&cauthor=true&cauthor_uid=26676322), [Farrag HM](http://www.ncbi.nlm.nih.gov/pubmed/?term=Farrag%20HM%5BAuthor%5D&cauthor=true&cauthor_uid=26676322), [Makboul R](http://www.ncbi.nlm.nih.gov/pubmed/?term=Makboul%20R%5BAuthor%5D&cauthor=true&cauthor_uid=26676322), [Mohamed ME](http://www.ncbi.nlm.nih.gov/pubmed/?term=Mohamed%20ME%5BAuthor%5D&cauthor=true&cauthor_uid=26676322), [Ibraheim Z](http://www.ncbi.nlm.nih.gov/pubmed/?term=Ibraheim%20Z%5BAuthor%5D&cauthor=true&cauthor_uid=26676322). Effect of myrrh and thyme on Trichinella spiralisenteral and parenteral phases with inducible nitric oxide expression in mice. [Mem Inst Oswaldo Cruz.](http://www.ncbi.nlm.nih.gov/pubmed/?term=Effect+of+myrrh+and+thyme+on+Trichinella+spiralis+enteral+and+parenteral+phases+with+inducible+nitric+oxide+expression+in+mice) 2015 Dec;110(8):1035-41. doi: 10.1590/0074-02760150295

3- RM GAMAL, W GABER, S SAYED, AM MOHEY, MSE MOHAMED. [VITAMIN D STATUS IN PATIENTS WITH RHEUMATOID ARTHRITIS IN EGYPT](https://scholar.google.com.eg/citations?view_op=view_citation&hl=en&user=dLTVbyQAAAAJ&imq=Mona+Embarek+Embarek&btnA=1&citation_for_view=dLTVbyQAAAAJ:zYLM7Y9cAGgC). Aktuelle Rheumatologie (2015) DOI: 10.1055/s-0035-1545308

4- Mona S. Embarek Mohamed, Alaa Thabet Hassan , Soheir Mostafa Kasem Ahmed. Prevalence of class 1, 2, and 3 integrons and carbapenem-resistance in Gram-negative bacteria. Egyptian Journal of medical microbiology. July 2016; 25 (3): 67-73

5- Mona S. Embarek Mohamed, Alaa Thabet Hassan , Soheir Mostafa Kasem Ahmed. Prevalence of carbapenemases among *Klebsiella pneumoniae* strains isolated from respiratory specimens. Egyptian Journal of medical microbiology. October 2016; 25 (4)

6- Mona Sallam Embarek Mohamed, Mohamed Ahmed El-Mokhtar. [Bacterial Profile and Antibiotic Susceptibility Patterns of Acute Exacerbation of Chronic Obstructive Pulmonary Disease in Assiut University Hospitals, Upper Egypt; a One-year Prospective Study](https://scholar.google.com.eg/citations?view_op=view_citation&hl=en&user=dLTVbyQAAAAJ&imq=Mona+Embarek+Embarek&btnA=1&citation_for_view=dLTVbyQAAAAJ:IjCSPb-OGe4C). British Microbiology Research Journal (2015); 7 (6): 288-305

7- Mona Embarek Mohamed, Mohamed A. El-Mokhtar Mahmoud, Alaa Thabet Hassan. [Community-Acquired Pneumonia Caused By Haemophilus Influenzae in a Group of Non-Vaccinated Adult Population in Egypt.](https://scholar.google.com.eg/citations?view_op=view_citation&hl=en&user=dLTVbyQAAAAJ&imq=Mona+Embarek+Embarek&btnA=1&citation_for_view=dLTVbyQAAAAJ:2osOgNQ5qMEC) Sci-Afric J. Sci. Issues. Res. Essays. 2014; 2 (10): 456-461

8- Mona Embarek Mohamed , Enas Abdelhameed Huseein , Haiam Mohamed Farrag, Fatma Abdel Aziz Mostafa, and Alaa Thabet Hassan. Allovahlkampfia spelaea is a Potential Environmental Host for Pathogenic Bacteria. Journal of Bacteriology & Parasitology 2016; 7(1):1-7 doi:10.4172/2155-9597.1000255. (ISSN: 2155-9597 JBP)

9- Mona Sallam Embarek Mohamed, Alaa Thabet Hassan. [Serotyping and Antimicrobial Resistance Pattern of Streptococcus Pneumoniae Strains in Patients with Community-acquired Pneumonia](http://www.ejmm.edu.eg/beta/images/articles/2013%20PDF/October%20Vol.%2022%2C%20No.%204%202013.pdf#page=67). Egyptian Journal of Medical Microbiology. 2013; 22 (4): 69-80.

10- Ihsan Abdel Sabour Hassan, Mona Amin Hassan, Mona Sallam Embarek, Dalia A Attallah , Mohamed Ahmed El Mokhtar, Ghada Mohammed Alaa Eldin Antibiotic Susceptibility Patterns of Propionibacterium Acnes Isolated from Acne Vulgaris in Assiut University Hospitals, Egypt Egyptian Journal of Medical Microbiology Volume 24 / No. 4 / October 2015: 67-72

11- Mona S Embarek Mohamed. [Seroprevalence of brucellosis among abattoir house and butcher shops workers in Assiut City](http://vet.scuegypt.edu.eg/attach/m5.pdf). Suez Canal Veterinary Medicine Journal (SCVMJ). XVIII 2013; 2: 55-67.