

Curriculum vitae

Abdalla Osman Abdalla Ahmed, PhD
Associate Professor & Consultant
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Name: Abdalla Osman Abdalla Ahmed
 First name: Abdalla
 Family name: Ahmed
 Date of birth: 5th of April 1972
 Place of birth: Delft, The Netherlands
 Sex: Male
 Martial status: Married with five children
 Nationality: Sudanese
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 English (reading, writing and speaking)
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Qualifications:

1995 Bachelor of Medical Laboratory Sciences (May 1995), College of Medical Laboratory Sciences, University of Khartoum, Sudan.
 Major specialty is Microbiology
 2000 Master of Molecular Biology (May 2000), Institute of Endemic Disease, University of Khartoum.
 2003 PhD from the Erasmus University Rotterdam, The Netherlands.
 Thesis title: "Molecular and biological studies on *Madurella mycetomatis* infection in man and mice" Supervised by Professor Henri A. Verbrugh, Professor Ahmed H. Fahal and Professor Alex van Belkum

Current and previous academic positions:

January 2011 – to date **Associate Professor of Microbiology**, Department of Medical Microbiology, Faculty of Medicine, Umm Al-Qura University, Makkah Al Mukarramah, Saudi Arabia.
 January 2010- November 2010* **Assistant Professor of Microbiology**, Department of Medical Laboratory Sciences, Faculty of Applied Medical Sciences, Al-Jouf University, Sakaka, Saudi Arabia.
 December 2003 - October 2005* **Assistant Professor of Microbiology**, Department of Microbiology, Faculty of Medical Laboratory Sciences, University of Khartoum, Sudan.
 October 2007 – Dec 2009
 October 2005 – August 2007 * **Assistant Professor** of Medical Mycology, Mycology Unit, Department of Pathology and Microbiology, College of Medicine, King Saud University, Saudi Arabia.

- January 2001 – December 2003* **Lecturer**, Department of Microbiology, Faculty of Medical Laboratory Sciences, University of Khartoum, Sudan.
- December 2001 – August 2002 **Research assistant** under training, Department of Medical Microbiology & Infectious Diseases, Erasmus MC, Erasmus University Rotterdam, The Netherlands.
- May 1995- December 2000 **Teaching Assistant**, Department of Microbiology, Faculty of Medical Laboratory Sciences, University of Khartoum, Sudan.

* These teaching positions were including graduate students teaching and research projects supervision as well as hospital training of interns and microbiology residents' students.

Medical Microbiology Professional Experiences in Saudi Arabia:

1. Part-time consultant microbiologist, King Abdullah Medical City, Makkah, Saudi Arabia. (March 2011- to date)
2. Locum consultant microbiologist , King Abdullah Medical City, Makkah, Saudi Arabia (July-August 2011)
3. Consultant medical mycologist, Khalid University Hospital, Riyadh, Saudi Arabia. (October 2005 – August 2007)

Teaching interest:

I am interested in teaching medical bacteriology, medical mycology, molecular microbiology and microbial ecology.

Current funded research projects:

Research project	Fund raised	Role
Molecular Epidemiology of Cryptococcus species in pigeon dropping in Western Province in Saudi Arabia	292,683 SAR (78,000 USD)	Principal investigator
The neurotropic fungus Rhinocladiella mackenziei and other related neurotropic black yeasts in patients and extreme environmental niches in Saudi Arabia	1,929,774 SAR (514,589 USD)	Principal investigator
Bacteriophage therapy as an alternative treatment option for multi-drug resistant Acinetobacter baumannii	1,855,139 SAR (494,703 USD)	Principal investigator

Membership of Professional Associations

- 2002- present International Society for Human and Animal Mycology (ISHAM)
- 2005 - present Pan African Medical Mycology Society (PAMMS)

Participation in scientific meetings, conferences and courses:

- April 1998 **Oral presentation:** 31st Meeting of the Sudanese Association of Surgeons. Khartoum, Sudan.
- February 1999 **Oral presentation:** First Scientific Meeting of the Institute of Endemic Disease, University of Khartoum, Sudan.
- March 1999 **Oral presentation:** 8th Scientific Meeting of the Sudanese Association of Pathologist. Khartoum Sudan.
- January 2001 **Oral presentation:** Winter Meeting of the Dutch Royal Society for Medical Mycology. Nijmegen, The Netherlands.
- October 2001 **Oral presentation:** Second European Meeting on Molecular Diagnostics, Scheveningen, The Netherlands.
- December 2001 **Oral presentation:** Winter Meeting of the Dutch Royal Society for Medical Mycology. Utrecht, the Netherlands.
- February 2002 **Oral presentation:** 3rd Mycetoma International Conference, Khartoum, Sudan.
- March 2002 **Lecture:** Clinical aspects of mycetoma. CBS course: Medical Mycology, Centraalbureau voor Schimmelcultures, Institute of Royal Academy of Arts and Sciences, Utrecht, The Netherlands.
- April 2002 **Oral presentation:** Annual Meeting of the Dutch Society of General Microbiology, Arnhem, The Netherlands
- April 2003 **Lecture:** Clinical aspects of mycetoma. CBS course: Medical Mycology, Centraalbureau voor Schimmelcultures, Institute of Royal Academy of Arts and Sciences, Utrecht, The Netherlands.
- October 2003 **Oral presentation:** Trends in Medical Mycology. Joint meeting of 9th Congress of the European Confederation of Medical Mycology and the 7th Trends in Invasive Fungal Infection, Amsterdam, The Netherlands.
- January 2005 **Oral presentation:** Medical Mycology in Africa. Africa Fund for Fungal Biodiversity and Mycotic Infections, Hartenbos, South Africa.
- September 2005 **Instructor:** Scientific Writing & Presentation Skills course, Postgraduate Students, Faculty of Medical Laboratory Sciences, Azhari University, Khartoum, Sudan.
- May 2007 **Oral presentation:** 2ed Pan African Medical Mycology Society Meeting, Cape Town, South Africa.
- May 2009 **Oral presentation:** 17th Congress of The International Society for Human and Animal Mycology, Tokyo, Japan.
- June 2013 **Conference:** 18th Congress of The International Society for Human and Animal Mycology, Berlin, Germany.
- October 2013 Training workshop: Next Generation Sequencing Workshop, European Bioinformatics Institute, Wellcome Trust Genome Campus, Hinxton, UK

- June 2014 **Training workshop:** Using Galaxy for Analysis of High Throughput Sequence Data, University of California Genome Centre, Davis, USA.
- November 2014 **Meeting:** Antibiotics Resistant Workshop, King Feisal University, Hufouf, Saudi Arabia.
- May 2015 **Poster presentation:** 19th Congress of The International Society for Human and Animal Mycology, Melbourne, Australia
- June 2015 **Oral presentation:** Middle East Infection Prevention Submit, Dubai, UAE.

Prizes

- 2002 International Society of Human and Animal Mycology (ISHAM), Poster prize, 3rd Mycetoma International Conference, Khartoum, Sudan.

List of publications in English:

1. **Ahmed, A. O.**, E. S. Abugroun, A. Fahal, E. Zijlstra, A. van Belkum and H. Verbrugh. 1998. Unexpected high prevalence of secondary bacterial infection in patients with mycetoma. J Clin Microbiol 36(3):850-1.
2. Fahal, A. H., A. M. el Hassan, **A. O. Ahmed**, and H. E. Sheik. 1998. Cystic mycetoma: an unusual clinical presentation of *Madurella mycetomatis* infection. Trans R Soc Trop Med Hyg 92(1):66-7.
3. **Ahmed, A. O.**, A. van Belkum, A. H. Fahal, A. E. Elnor, E. S. Abougroun, M. F. Vanden Bergh, E. E. Zijlstra, and H. A. Verbrugh. 1998. Nasal carriage of *Staphylococcus aureus* and epidemiology of surgical- site infections in a Sudanese university hospital. J Clin Microbiol 36(12):3614-8.
4. **Ahmed, A. O.**, M. M. Mukhtar, M. Kools-Sijmons, A. H. Fahal, S. de Hoog, B. G. van den Ende, E. E. Zijlstra, H. Verbrugh, E. S. Abugroun, A. M. Elhassan, and A. van Belkum. 1999. Development of a species-specific PCR-restriction fragment length polymorphism analysis procedure for identification of *Madurella mycetomatis*. J Clin Microbiol 37(10):3175-8.
5. Mahdi, S. E., **A. O. Ahmed**, H. Boelens, A. Ott, E. S. Abugroun, A. van Belkum, E. Zijlstra, H. Verbrugh, and A. Fahal. 2000. An epidemiological study on the occurrence of *Staphylococcus aureus* in superficial abscesses of patients presenting for surgery in a teaching hospital in Khartoum, Sudan. FEMS Immunol Med Microbiol 29(2):155-62.
6. El Hassan, A. M., A. H. Fahal, **A. O. Ahmed**, A. Ismail, and B. Veress. 2001. The immunopathology of actinomycetoma lesions caused by *Streptomyces somaliensis*. Trans R Soc Trop Med Hyg 95(1):89-92.
7. **Ahmed, A. O.**, D. Adelman, A. Fahal, H. Verbrugh, A. van Belkum, and S. de Hoog. 2002. Environmental occurrence of *Madurella mycetomatis*, the major agent of human eumycetoma in Sudan. J Clin Microbiol 42(3):1031-6.
8. **Ahmed A. O.**, Wim van Vianen, Marian T. ten Kate, Wendy W.J. van de Sande, Alex van Belkum, Ahmed H. Fahal, Henri A. Verbrugh, Irma A.J.M. Bakker-Woudenberg. 2003. A murine model of *Madurella mycetomatis* eumycetoma FEMS Immunology and Medical Microbiology. 37(1):29-36.

9. **Ahmed A. O.**, Wendy van de Sande, Henri Verbrugh, Ahmed Fahal and Alex van Belkum. *Madurella mycetomatis* strains from mycetoma lesions in Sudanese patients are clonal. 2003. J Clin Microbiol. 41(10):4537-4541
10. **Ahmed A. O.**, Nicole Desplaces, Philippe Leonard, Fred Goldstein, Sybren De Hoog, Henri Verbrugh, and Alex van Belkum 2003. Molecular Detection and Identification of Agents of Eumycetoma: Detailed Report of Two Cases. J Clin Microbiol. 41(12):5813-5816.
11. Hoog, G. S., D. Adelman, **A. O. Ahmed**, and A. Belkum. 2004. Phylogeny and typification of *Madurella mycetomatis*, with a comparison of other agents of eumycetoma. Mycoses 47:121-30.
12. **Ahmed, A. O.**, W. W. Van De Sande, W. Van Vianen, A. Van Belkum, A. H. Fahal, H. A. Verbrugh, and I. A. Bakker-Woudenberg. 2004. In Vitro Susceptibilities of *Madurella mycetomatis* to Itraconazole and Amphotericin B Assessed by a Modified NCCLS Method and a Viability-Based 2,3-Bis(2-Methoxy-4-Nitro-5- Sulfophenyl)-5-[(Phenylamino)Carbonyl]-2H-Tetrazolium Hydroxide (XTT) Assay. Antimicrob Agents Chemother 48:2742-6.
13. **Ahmed A. O.**, Willem van Leeuwen, Ahmed Fahal, Wendy van de Sande, Henri Verbrugh and Alex van Belkum 2004. Mycetoma due to *Madurella mycetomatis*: a neglected infectious burden. Lancet Infectious Diseases. Lancet Infect Dis. 2004 4(9):566-74.
14. Wendy W. J. van de Sande, Ad Luijendijk, **Abdalla O. A. Ahmed**, Irma A. J. M. Bakker-Woudenberg, and Alex van Belkum. 2005. Testing of the In Vitro Susceptibilities of *Madurella mycetomatis* to Six Antifungal Agents by Using the Sensititre System in Comparison with a Viability-Based 2,3-Bis(2-Methoxy-4-Nitro-5-Sulfophenyl)-5- [(Phenylamino)Carbonyl]-2H-Tetrazolium Hydroxide (XTT) Assay and a Modified NCCLS Method. Antimicrob Agents Chemother. 49:1364–1368.
15. Wendy W. J. van de Sande, Roy Gorkink, Guus Simons, Alewijn Ott, **Abdalla O. A. Ahmed**, Henri Verbrugh, and Alex van Belkum. 2005. Genotyping of *Madurella mycetomatis* by Selective Amplification of Restriction Fragments (Amplified Fragment Length Polymorphism) and Subtype Correlation with Geographical Origin and Lesion Size. J Clin Microbiol 43: 4349–4356.
16. van de Sande, W. W. J., D.-J. Janse, V. Hira, H. Goedhart, R. van der Zee, **Abdalla O. A. Ahmed**, A. Ott, H. Verbrugh, and A. van Belkum .2006 .Translationally Controlled Tumor Protein from *Madurella mycetomatis*, a Marker for Tumorous Mycetoma Progression. J Immuno 177: 1997-2005.
17. **Abdalla A.O. Ahmed**, Wendy van de Sande, Ahmed Fahal, Irma Bakker-Woudenberg, Henri Verbrugh and Alex van Belkum. 2007. Mycetoma: A Tropical Disaster with Limited International Recognition. Current Opinion in Infectious Diseases, 20:146–151.
18. Wendy W.J van de Sande, Johan de Kat, Jojanneke Coppens, **Abdalla O.A. Ahmed**, Ahmed Fahal, Henri Verbrugh and Alex van Belkum. 2007. Melanin Biosynthesis Affects Antifungal Susceptibility in *Madurella Mycetomatis*. Microbes Infect. 9:1114-23.
19. De Hoog GS, **Abdalla Ahmed**, McGinnis MR, Padhye AA. Fungi Causing Eumycotic Mycetoma. In: Murray PR, Baron EJ, Jorgensen JH, Landry ML, Pfaller MA, editors. Manual of Clinical Microbiology. 9th ed. Washington: American Society for Microbiology; 2007. p. 1918-1927.
20. Erika T. Quintana, Katarzyna Wierzbicka, Pawel Mackiewicz, **Abdalla O.A. Ahmed**, Ahmed H. Fahal, Mohamed E. Hamid, Jolanta Zakrzewska - Czerwinska, Luis A. Maldonado and Michael Goodfellow. 2008. *Streptomyces sudanensis* sp. nov., a new pathogen isolated from patients with actinomycetoma. Antonie Van Leeuwenhoek. 93:305-13.

21. **Abdalla Ahmed** and De Hoog GS. Fungi Causing Eumycotic Mycetoma. Manual of Clinical Microbiology. 10th ed. Washington: American Society for Microbiology; 2011.
22. Saad, M., T. Sugita, H. Saeed, and **A. Ahmed**. 2012. Molecular Epidemiology of *Malassezia globosa* and *Malassezia restricta* in Sudanese Patients with Pityriasis Versicolor. Mycopathologia.
23. **Abdalla Ahmed**, Wendy W.J van de Sande and De Hoog GS. Fungi Causing Eumycotic Mycetoma. Manual of Clinical Microbiology. 11th ed. Washington: American Society for Microbiology; April 2015.
24. Abdelrahman Elsayy, Hani Faidah, Abdalla Ahmed, Asmaa Mostafa and Farah Mohamed. 2015. *Aspergillus terreus* Meningitis in Immunocompetent Patient: A Case Report. Front. Microbiol.
25. Abdel-Haleem AM, Rchiad Z, Khan BK, Abdallah AM, Naeem R, Nikhat Sheerin S, Solovyev V, **Ahmed A**, Pain A. 2015. Genome Sequence of a Multidrug-Resistant Strain of *Stenotrophomonas maltophilia* with Carbapenem Resistance, Isolated from King Abdullah Medical City, Makkah, Saudi Arabia. Genome Announcements 3.

References:

Professor Henri A. Verbrugh

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