
DINA ELSAYED FEISAL AMIN BADR

MD, PhD

MEDICAL MICROBIOLOGY AND IMMUNOLOGY

DINA ELSAYED FEISAL AMIN BADR

PERSONAL DATA

Name: **DINA ELSAYED FEISAL AMIN BADR**

Work address: Medical Microbiology and Immunology Department
Faculty of Medicine
Mansoura University
Mansoura, 35516, Egypt

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Nationality: Dual Egypt and Canada

Languages: Arabic, English, and French.

CURRENT ACADEMIC POSITION

Lecturer **Mansoura University, Egypt**
Medical Microbiology and Immunology Department
Faculty of Medicine

Lecturer **New Mansoura University, Egypt**
Medical Microbiology and Immunology Department
Faculty of Medicine

EDUCATION

May 2018 **The Supreme Council of Universities, Cairo, Egypt**
PhD, Microbiology and Immunology

Sep. 2017 **University of Alberta, Edmonton, Canada**
Doctor of Philosophy (PhD), Experimental Medicine
Department of Medicine, Division of Nephrology
Faculty of Medicine and Dentistry

May 2003 **Mansoura University, Mansoura, Egypt**
Master degree (M.Sc), Microbiology and Immunology “Very good”
Medical Microbiology and Immunology Department
Faculty of Medicine

Nov. 1995 **Mansoura University, Mansoura, Egypt**
Bachelor's degree in Medicine and Surgery (M.B.B.Ch) “Very good with Honor”
Faculty of Medicine

ACADEMIC POSITIONS

Lecturer (Feb. 2024 – present)	New Mansoura University, Egypt Faculty of Medicine
Lecturer (Oct. 2023 – Aug. 2024)	Delta University for Science and Technology, Egypt Faculty of Medicine
Lecturer (Sep. 2018 – present)	Mansoura University, Egypt Medical Microbiology and Immunology Department, Faculty of Medicine
Assistant Lecturer (Sep. 2017–Sep. 2018)	Mansoura University, Egypt Medical Microbiology and Immunology Department, Faculty of Medicine
Postgraduate student (2007 – 2017)	University of Alberta, Canada Department of Medicine, Division of Nephrology, Faculty of Medicine & Dentistry
Assistant Lecturer (Aug. 2003–Dec. 2006)	Mansoura University, Egypt Medical Microbiology and Immunology Department, Faculty of Medicine
Demonstrator (May. 1997– Aug. 2003)	Mansoura University, Egypt Medical Microbiology and Immunology Department, Faculty of Medicine
Rotating Internship (Mar.1996–Feb.1997)	Mansoura University, Egypt Mansoura University Hospital, Faculty of Medicine

SCHOLARSHIPS

Full Doctorate degree scholarship in Canada sponsored by the Government of Egypt to pursue Doctorate Degree (PhD) in Canada in 2007.

MEDICAL EDUCATION & RESEARCH PROGRAM ACTIVITIES

I. UNDERGRADUATE PROGRAM (TEACHING/EXAMS)

<i>MEDICINE AND SURGERY, MANSOURA UNIVERSITY, EGYPT</i>	<i>COURSE/METHOD</i>
– Credit Hours/Points, Integrated Program, Bachelor Degree of Medicine and Surgery, Faculty of Medicine , Mansoura University, Egypt (2018 – present)	• Medical Microbiology and Immunology
– Credit Hours, Integrated Program, Bachelor Degree of Medicine and Surgery, Faculty of Medicine , Mansoura University, Egypt (2019 – 2022)	• Communication skills • Task-based learning
– Traditional program, Bachelor Degree of Medicine and Surgery, Faculty of Medicine , Mansoura University, Egypt (2017 – 2019)	• Microbiology and Immunology
– Mansoura Manchester Program of Medical Education, Bachelor Degree of Medicine and Surgery , Faculty of Medicine, Mansoura University, Egypt (2024/2025)	• Problem based learning • Task-based learning • Microbiology and Immunology
– Mansoura Manchester Program of Medical Education, Bachelor Degree of Medicine and Surgery , Faculty of Medicine, Mansoura University, Egypt. (2023 – present)	• Virology and Vaccination
<i>DENTISTRY, MANSOURA UNIVERSITY, EGYPT</i>	
– Bachelor degree of Dentistry , Faculty of Dentistry, Mansoura University, Egypt. (2018/2019, 2020/2021, 2024/2025)	• Microbiology
– Mansoura-Manchester Dental Program, Bachelor degree of Dentistry , Faculty of Dentistry, Mansoura University, Egypt. (2018/2019, 2020/2021, 2024/2025)	• Microbiology
<i>NURSING, MANSOURA UNIVERSITY, EGYPT</i>	
– Credit Hours, Integrated Program, Bachelor Degree of Nursing , Faculty of Medicine, Mansoura University, Mansoura, Egypt (2022 – 2023)	• Microbiology and Immunology
– Intensive BSc Nursing Program [Preparatory Semester], Bachelor Degree of Nursing, Faculty of Medicine, Mansoura University, Mansoura, Egypt (2021 – 2022)	• Microbiology and Immunology

**MEDICINE AND SURGERY, NEW MANSOURA UNIVERSITY,
EGYPT**

- Credit Hours/Points, Integrated Program, **Bachelor Degree of Medicine and Surgery**, Faculty of Medicine, **New Mansoura University**, New Mansoura, Egypt (Winter 2024 – present)

- Microbiology
- Immunology

MEDICINE AND SURGERY, DELTA UNIVERSITY FOR SCIENCE AND TECHNOLOGY, EGYPT

- Credit Hours/Points, Integrated Program, **Bachelor Degree of Medicine and Surgery**, Faculty of Medicine, **Delta University for Science and Technology**, Egypt (Fall 2023 – Summer 2024)

- Microbiology
- Immunology
- Infection Control

II. POSTGRADUATE PROGRAM (TEACHING/EXAMS)

MEDICINE AND SURGERY, MANSOURA UNIVERSITY, EGYPT

- **Doctorate degree in Clinical Oncology and Nuclear Medicine**, Credit Hours Program, Faculty of Medicine, Mansoura University, Egypt (2023 – present)
 - Cancer Biology and Immunology
- **Doctorate degree in Surgical Oncology**, Credit Hours Program, Faculty of Medicine, Mansoura University, Egypt (2023/2024)
 - Essentials of Cancer Biology and Immunology
- **Continuing Medical Education (CME) Program**, Faculty of Medicine, Mansoura University, Egypt (Nov. 2023)
 - Infection Control
- **Master degree in Medical Parasitology**, Credit Hours Program, Faculty of Medicine, Mansoura University, Egypt (2023)
 - Microbiology
- **Master degree in Clinical Oncology & Nuclear Medicine**, Credit Hours Program, Faculty of Medicine, Mansoura University, Egypt (2022 – 2023)
 - Basics of Cancer Biology and Immunology
- **Master degree in General Surgery**, Credit Hours Program, Faculty of Medicine, Mansoura University, Egypt (2022 – 2023)
 - Microbiology
- **Master degree in Emergency Medicine and Traumatology**, Credit Hours Program, Faculty of Medicine, Mansoura University, Egypt (2021 – 2022)
 - Microbiology
- **Master degree in Internal Medicine**, Credit Hours Program, Faculty of Medicine, Mansoura University, Egypt (2020 – 2021)
 - Applied Microbiology
- **Master degree in Gynaecology and Obstetrics**, Credit Hours Program, Faculty of Medicine, Mansoura University, Egypt (2019 – 2021)
 - Medical microbiology and immunology

- **Master degree in Dermatology and Andrology**, Credit Hours Program, Faculty of Medicine, Mansoura University, Egypt (2019 – 2021)
 - **Microbiology and Immunology related to Dermatology and Andrology**

NURSING, MANSOURA UNIVERSITY, EGYPT	COURSE/METHOD
– Nursing Diploma , Faculty of Nursing, Mansoura University, Egypt.	<ul style="list-style-type: none"> • Microbiology and Immunology

III. UNDERGRADUATE CONTROL ACTIVITIES, MANSOURA UNIVERSITY, EGYPT

- **Mansoura Manchester Program for Medical Education, Bachelor Degree of Medicine and Surgery**, Faculty of Medicine, Mansoura University, Egypt. (2022 – 2024)

IV. GRADUATE CONTROL ACTIVITIES, MANSOURA UNIVERSITY, EGYPT

- **Doctorate Degree Control**, Faculty of Medicine, Mansoura University, Egypt (2020–2024).
- **Master Degree Control**, Faculty of Medicine, Mansoura University, Egypt (2018– 2019).

V. CONTINUING MEDICAL EDUCATION (CME) PROGRAM, MANSOURA UNIVERSITY

- **Infection Control Course**, Faculty of Medicine, Mansoura University, Egypt (Nov. 2023)

VI. GRADUATE STUDENTS, MANSOURA UNIVERSITY, EGYPT

- Noran Mohamed Samy Seddik Elbayyar, M.B.B.Ch., Demonstrator of Medical Microbiology and Immunology, Medical Microbiology and Immunology Department, Faculty of Medicine, Mansoura University. Master degree student (2024).
- Nihal Mustafa Hassan Saleh, M.B.B.Ch., Demonstrator of Medical Microbiology and Immunology, Medical Microbiology and Immunology Department, Faculty of Medicine, Delta University for Science and Technology. Master degree student (2023).
- Fayrouz Ragab Ahmad Ragab, M.B.B.Ch., Resident of Medical Microbiology, Ministry of Health. Master degree student (2021).

PROFESSIONAL MEMBERSHIPS, COMMITTEES, AND CONSULTING

- **Egyptian Medical Syndicate member (1997 – present).**
- **Egyptian Society For Medical Microbiology (ESMM) (2018– present).**
- **Infection Prevention and Control (IPC) Committee in Emergency Hospital (2020 – present):** IPC team, Emergency Hospital, Mansoura University, Mansoura, Egypt.
- **Occupational Safety and Health Committee - Crisis and Disaster Management Unit (2023/ 2024):** Microbiology member, Faculty of Medicine, Mansoura University, Mansoura, Egypt.
- **Graduate Program Quality Committee of Medical Microbiology and Immunology Department (2022 – present):** Member for Master Program, Medical Microbiology and Immunology Department, Faculty of Medicine, Mansoura University, Egypt.
- **Undergraduate Program Semester 2 Medical Microbiology and Immunology coordinator (2024 – present):** Integrated Program, Bachelor Degree of Medicine and Surgery, Faculty of Medicine, Mansoura University, Egypt.

SELECTED COURSES AND WORKSHOPS

- **Ideal Practices for Writing Supply Type Items.** May 3, 2025. Egyptian Society for Medical Education (ESME) Monthly Webinar, Egypt.
- **Comprehensive guide to accreditation requirements for Microbiology laboratories.** Jan. 11–13, 2025. Reference laboratory, Supreme Council for University Hospitals (SCUH), Egypt.
- **Pandemic preparedness plan from formulation to drill.** Dec. 28 and Dec. 30, 2024. Reference laboratory, Supreme Council for University Hospitals (SCUH), Egypt.
- **Hands-on Real-time PCR and genotyping of human viral diseases,** Sept. 16–18, 2024, Medical Virology Laboratory, Medical Microbiology and Immunology Department, Faculty of Medicine, Mansoura University, Mansoura, Egypt.
- **Reference management and index electronically,** Sep. 10–11, 2024, Faculty and Leadership Development Program (FLDP), Mansoura University, Mansoura, Egypt.
- **Conference Organization,** Dec. 24–25, 2023, Faculty and Leadership Development Program (FLDP), Mansoura University, Mansoura, Egypt.
- **Concepts of Disability and Various Facilities for Them,** Aug. 13–14, 2023, Faculty and Leadership Development Program (FLDP), Mansoura University, Mansoura, Egypt.
- **Deutscher Akademischer Austauschdienst (DAAD) Kairo Akademie “Capacity Development for Internationalization” Module,** Jul. 26, 2023, Mansoura University, Mansoura, Egypt.

- **Hands-on DNA Polymorphism Detection**, Jul. 9–12, 2023, Medical Experimental Research Centre (MERC), Faculty of Medicine, Mansoura University, Mansoura, Egypt.
- **Exams and Students Evaluation Systems**, Sep. 25–26, 2022, Faculty and Leadership Development Program (FLDP), Mansoura University, Mansoura, Egypt.
- **Design and Production of Electronic Courses**, Sep. 18–19, 2022, Faculty and Leadership Development Program (FLDP), Mansoura University, Mansoura, Egypt.
- **Basic Statistical Package for the Social Sciences** (SPSS), Jun. 26–28, 2022, Faculty of Medicine, Mansoura University, Mansoura, Egypt.
- **Gene Expression Analysis**: Sample processing, RNA extraction, RNA quality control, Conversion of RNA to cDNA, Primer design, Conventional PCR/ Real-time PCR, Analysis of results, Mar. 28, 29 & 31, 2022, Medical Experimental Research Centre (MERC), Faculty of Medicine, Mansoura University, Mansoura, Egypt.
- **Quality of Performance in the Scientific Departments**, Oct. 26–27, 2021, Faculty and Leadership Development Program (FLDP), Mansoura University, Mansoura, Egypt.
- **International Publishing of Scientific Research**, Oct. 24–25, 2021, Faculty and Leadership Development Program (FLDP), Mansoura University, Mansoura, Egypt.
- **The Art of Successful Leadership**, Apr. 3–4, 2021, Faculty and Leadership Development Program (FLDP), Mansoura University, Mansoura, Egypt.
- **Mansoura Manchester Programme for Medical Education Training Course**, Sep. 9–11, 2019, Faculty of Medicine, Mansoura University, Mansoura, Egypt.
- **References Management and Index Electronically**, Jun. 16–17, 2019, Faculty and Leadership Development Program (FLDP), Mansoura University, Mansoura, Egypt.
- **Credit Hours System**, May 13–14, 2018, Faculty and Leadership Development Program (FLDP), Mansoura University, Mansoura, Egypt.
- **Scientific Research and Methods of Universities Rankings**, May 6–7, 2018, Faculty and Leadership Development Program (FLDP), Mansoura University, Mansoura, Egypt.
- **Strategic Planning**, Apr. 22–23, 2018, Faculty and Leadership Development Program (FLDP), Mansoura University, Mansoura, Egypt.
- **Effective Crisis Management**, Apr. 15–16, 2018, Faculty and Leadership Development Program (FLDP), Mansoura University, Mansoura, Egypt.
- **Presentation Skills**, Apr. 10–11, 2018, Faculty and Leadership Development Program (FLDP), Mansoura University, Mansoura, Egypt.
- **Legal and Financial Aspects in University Environment**, Apr. 1–2, 2018, Faculty and Leadership Development Program (FLDP), Mansoura University, Mansoura, Egypt.

- **Alberta Transplant Institute (ATI) seminar series**, Jan. 2012 – Aug. 2012, Alberta Transplant Institute, University of Alberta, Edmonton, Canada.
- **The American Association of Immunologists (AAI) Advanced Course in Immunology**, July 25 – 30, 2010, University of Minnesota, Minneapolis, MN, USA.
- **Endothelial Cell Crossmatch**, 2010 American Transplant Congress (ATC), San Diego, California, USA.
- **Chemokines and the Allograft Response**, 2010 American Transplant Congress (ATC), San Diego, California, USA.
- **Grant Writing Workshop for Basic Scientists**, 2010 American Transplant Congress (ATC), San Diego, California, USA.
- **Virtual Crossmatching and Antibody Strength**, 2010 American Transplant Congress (ATC), San Diego, California, USA.
- **From Basic to Clinical Immunology**, Sep 2009 –April 2010, University of Alberta, Edmonton, Canada.
- **Statistical Package for the Social Sciences (SPSS) Application**, Mar. 18, 2009, Technical Training Centre, University of Alberta, Edmonton, Canada.
- **The Care and Use of the Mouse in Research**, May 6, 2008, University Animal Policy and Welfare Committee (UAPWC) Institutional Animal Users Training Program – Part II, University of Alberta, Edmonton, Canada.
- **Academic Integrity and Ethics Training**, Apr. 2008, University of Alberta, Edmonton, Canada.
- **Advanced Immunology**, Jan. –April, 2008, Department of Medical Microbiology and Immunology, University of Alberta, Edmonton, Canada.
- **The Care and Use of Animals in Research, Teaching and Testing**, Dec. 12, 2007, University Animal Policy and Welfare Committee (UAPWC) Part I course to meet CCAC Mandatory Training Requirements for Animal Users, University of Alberta, Edmonton, Canada.
- **Experimental Design and Scientific Communication**, Sept–Dec, 2007, Department of Laboratory Medicine and Pathology, University of Alberta, Edmonton, Canada.
- **Concepts in Biosafety: Basic Principles and Practices**, Mar. 2, 2007, the Biosafety Division of the Office of Environmental Health and Safety, University of Alberta, Edmonton, Canada.

SELECTED CONFERENCES

- The International Conference of the Egyptian Society for Medical Microbiology (ESMM) in association with International Society for Antimicrobial Chemotherapy (ISAC), Microbiology Department, Faculty of Medicine, Fayoum University: One “Health in Action, Opportunities, Collaboration, and Challenges”, Cairo, Egypt, Sept. 26 – 27, 2024.
- The Annual Conference of the Faculty of Medicine, Mansoura University, Mansoura, Egypt, Jul. 17 – 18, 2024.
- The International Conference of the Egyptian Society of Medical Microbiology (ESMM) in association with the American Society for Microbiology (ASM): "Conventional Versus Recent Advances in Medical Microbiology", Giza, Egypt, Sept. 28, 2023
- The International Conference of the Egyptian Society of Medical Microbiology (ESMM) in association with the American Society for Microbiology (ASM): Recent Diagnostic, Preventive and Therapeutic Approaches for Infectious Diseases in Medical Microbiology, Alexandria, Egypt, Sept. 2– 3, 2022.
- The International Conference of the Egyptian Society of Medical Microbiology (ESMM): COVID-19 Pandemic: The Egyptian versus Global Experience, Faculty of Medicine, Cairo University, Cairo, Egypt, Oct. 23, 2021.
- The International Conference of the Egyptian Society of Medical Microbiology (ESMM): Superbugs Threat; The Problem and its Solutions, Cairo, Egypt, Mar. 7, 2020.
- The International Conference of the Egyptian Society of Medical Microbiology (ESMM): Infection Prevention and Control; The Role of Microbiology, Giza, Egypt, Apr. 18, 2019.
- The American Transplant Congress (ATC) 2013, Seattle, Washington, USA, May 18– 22, 2013.
- The Department of Medicine Research Day 2013, Faculty of Medicine and Dentistry, University of Alberta, Edmonton, AB, Canada, May 16, 2013.
- The American Society of Nephrology (ASN) Annual Meeting, Kidney Week, San Diego, California, USA, Oct. 30–Nov. 4, 2012.
- The American Transplant Congress (ATC) 2010, San Diego, California, USA, May 1–5, 2010.
- The Department of Medicine Research Day 2010, Faculty of Medicine and Dentistry, University of Alberta, Edmonton, AB, Canada, May 2010.
- The American Transplant Congress (ATC) 2009, Boston, Massachusetts, USA, May 30 – June 03, 2009.

- The Department of Medicine Research Day 2009, Faculty of Medicine and Dentistry, University of Alberta, Edmonton, AB, Canada, May 2009.
- The 12th International Conference of the Egyptian Society of Medical Microbiology, Faculty of Medicine, Cairo University, Cairo, Egypt. Mar. 3– 4, 2004.
- The Annual Scientific Conference of Mansoura Faculty of Medicine: Quality Assurance in Scientific Research, Faculty of Medicine, Mansoura University, Egypt. Mar. 17 – 19, 2004.
- The 10th International Conference of the Egyptian Society of Medical Microbiology (ESMM), Faculty of Medicine, Tanta University, Egypt. Mar. 14 – 15, 2002.
- The Annual Scientific Conference of Mansoura Faculty of Medicine: Quality Assurance System in Mansoura University Hospitals, Present and Future, Faculty of Medicine, Mansoura University, Egypt. Oct. 31 – Nov. 2, 2001.

SELECTED PUBLICATIONS AND PRESENTATIONS

- Karras, M., El Mashad, N., Refaie, A., Mofreh, M., **Badr, D.**, Salah, H., Magar, R., Zaki, M., Rizk, M. Study of Epstein Barr Virus Infection in kidney Transplant Recipients: One Egyptian Center Study. Egyptian Journal of Medical Microbiology, 2025; 34(2): 111-120. doi: 10.21608/ejmm.2024.344388.140
- Al-Noman H, Salama L, Fawzy I, Elzayady M, Mahmoud A, Mesbah M, Elageery S, Alkasaby N, **Badr, DF**. In vitro Effect of Vitamin D on the Levels of Cytokines and Apoptosis Related Markers in Systemic Lupus Erythematosus. Egyptian Journal of Medical Microbiology, 2025; 34(1): -. doi: 10.21608/ejmm.2024.335543.1369
- Salama L, Elageery S, Alkasaby N, Abou El-Khier N, Fawzy I, Zeid M, **Badr DF**. Molecular Characterization of Carbapenamases in Hypervirulent Klebsiella pneumoniae Isolates among Pediatric Patients. Egyptian Journal of Medical Microbiology, 2025; 34(1): -. doi: 10.21608/ ejmm.2024.322402.1342
- **Badr DF**, Zaki ME, Elsayed AG, Elsayed MA, Kamel NM, Salam MM. Molecular Characterization of Extended Spectrum Beta-Lactamase Resistance in Pediatric Shigella Isolates in Egypt. Biochemical Genetics 2024; Nov 1:1-14.
- Hamdy Mohamed E, El Sayed Zaki M, Abdelsalam Ramadan M, Mohsen Motawea M, **Badr DF**, et al. Study of Biofilm, Virulence Genes, and Risk Factors in Urinary Catheter-Associated *Escherichia coli* Infections. Jundishapur Journal of Microbiology 2024;17(4):e144426.
- Elsayed, A.G.A., **Badr, D.F.**, El Kheir, N.Y.A. et al. Prevalence of extended-spectrum beta-lactamase and molecular detection of blaTEM, blaSHV, and blaCTX-M genotypes among gram-negative Bacilli isolates from hospital acquired infections in pediatrics, one institutional study. Italian Journal of Pediatrics 2024; 50 (1):31.

- Houssen, ME, Elmaria, MO, **Badr, D** et al. Serum soluble toll-like receptor 4 and risk for clinical severity in COVID-19 patients. *Pneumonia* 2024; 16, 1-10.
- Mashaly GE, **Badr D**. Adhesins Encoding Genes and Biofilm formation as Virulence Determinants in Methicillin Resistant *Staphylococcus aureus* Causing Hospital Acquired Infections. *Egyptian Journal of Medical Microbiology* 2022; 31(3): 125-133.
- **Badr, D.E.S.F.A.** Interpreting Macrophage Transcripts In Human T Cell-Mediated Rejection Doctoral dissertation, University of Alberta, Canada, 2017.
- Venner JM, Famulski KS, **Badr D**, Hidalgo LG, Chang J, Halloran PF. Molecular landscape of T cell-mediated rejection in human kidney transplants: prominence of CTLA4 and PD ligands. *American Journal of Transplantation* 2014; 14 (11): 2565-2576.
- **Badr D**, Hidalgo L, Famulski K, Halloran P. Interpreting Macrophage Transcripts in T Cell-Mediated Rejection in Humans. *American Journal of Transplantation* 2013;13 (suppl 5). Presented at the 2013 American Transplant Congress in Seattle, Washington, USA, May 18– 22, 2013.
- **Badr D**, Hidalgo LG, Famulski KS, and Halloran PF. Macrophage Transcripts ADAMDEC1, CXCL13 and CCL18 Selectively Identify T Cell-Mediated Rejection in Humans. Presented at the Department of Medicine Research Day 2013, University of Alberta, Edmonton, AB, Canada, May 16, 2013.
- **Badr D**, Hidalgo LG, Famulski KS, and Halloran PF. "Macrophage Transcripts ADAMDEC1, CXCL13 and CCL18 Are a Hallmark of T Cell-Mediated Rejection in Humans". Presented at the American Society of Nephrology (ASN) Annual Meeting, Kidney Week 2012, San Diego, California, Oct. 30–Nov. 4, 2012.
- **Badr DF**, and Halloran PF. Non-T cell transcripts that are highly selective for T cell-mediated rejection are expressed by human macrophages not dendritic cells. Presented at the American Transplant Congress in San Diego, California, May 2010.
- Famulski KS, Kayser D, Einecke G, Allanach K, **Badr D**, Venner J, Sis B, and Halloran PF. Alternative macrophage activation-associated transcripts in T cell-mediated rejection of mouse kidney allografts. *American Journal of Transplantation* 2010; 10 (3): 490–497.
- **Badr, DF**, Hidalgo, LG, Famulski, KS, Reeve, J, and Halloran, PF. Transcripts that are most selective for T cell-mediated rejection are expressed by human macrophages not dendritic cells. Presented at the Department of Medicine Research Day, University of Alberta, May 2010.
- **Badr D**, and Halloran, PF. Patterns of Chemokine Expression in Human Renal Allograft Rejection. *American Journal of Transplantation* 2010; 10 (S4): 213. Presented at the 2010 American Transplant Congress in San Diego, California, USA, May 1 – 5, 2010.
- **Badr DF**, and Halloran PF. Non-T cell transcripts that are highly selective for T cell-mediated rejection are expressed by human macrophages not dendritic cells. *American Journal of Transplantation* 2010; 10 (S4): 213.

- **Badr DF**, Hidalgo LG, Famulski KS, and Halloran PF. Transcripts that differentiate T cell-mediated from antibody-mediated rejection are differentially regulated in human macrophages. *American Journal of Transplantation* 2009; 9 (S2): 384–729.
- **Badr DF**, Hidalgo LG, Famulski KS, and Halloran PF. Transcripts That Differentiate T Cell-Mediated from Antibody-Mediated Rejection Are Differentially Regulated in Human Macrophages. Presented at the American Transplant Congress in Boston, Massachusetts, USA, May 30 – June 03, 2009.
- **Badr D**, Hidalgo LG, Famulski KS, and Halloran PF. Transcripts that differentiate T cell mediated from antibody-mediated rejection are differentially expressed in human macrophages. Presented at the Department of Medicine Research Day, University of Alberta, Canada, May 28, 2009.
- **Badr D**. Coagulase-negative staphylococci: role as nosocomial pathogens in Mansoura University Hospitals. M.Sc. Thesis, 2002, Central library, Mansoura University, Mansoura, Egypt.

TECHNICAL SKILLS

- Experience in various immunological assays in humans including immunomagnetic cell purifications from whole blood (human), flow cytometry, ELISA, and cell culture.
- Experience in various genetic techniques including RT-qPCR, RNA extraction and gene expression analysis.
- Experience in various microbiological assays including microbial cultures and identification methods, antimicrobial sensitivity testing, and others.
- Proficient in MS Excel, PowerPoint, Word, and in GraphPad Prism.

REFERENCES

Available upon request