

Curriculum Vitae

George M. Yousef, M.D., M.Sc.

Personal Information

Date of birth: September 1, 1964.
Place of birth: Alexandria, Egypt.
Citizenship: Egyptian.
Marital state: married with 2 children.
Languages: Arabic, English.
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Positions Held

9/98–now: Ph.D. candidate, Department of Laboratory Medicine and Pathobiology,
University of Toronto, Canada.
5/94–9/98: Assistant lecturer of Clinical Chemistry, Liver Institute, Menoufiya University, Egypt.
10/90–5/94: Demonstrator of Clinical Chemistry, Liver Institute, Menoufiya University, Egypt.
3/88–10/90: Physician (general practitioner), Primary Health Care Units, Ministry of Health, Egypt.

Qualifications

expected 2002: Ph.D., Clinical Chemistry, University of Toronto, Canada
1994 M.Sc., Clinical Chemistry, Menoufiya University, Egypt.
1987 M.B.B.Ch., Zagazig University, Egypt.
1980 General Secondary school (high school) degree,
Advanced Students Secondary School, Egypt.

Awards and Distinctions

Ph.D. scholarship (including all costs to study for Ph.D. in North America)

Supreme council of Universities, Egypt (1998-2002).

1999 Annual prize for scientific achievement, International Society for Enzymology

17th International Congress of Clinical Chemistry and Laboratory Medicine,

1999 Scientific meeting travel award

University of Toronto

Presentations at Scientific Meetings

Poster Presentations

1. International Conference on Infectious Diseases and Public Health, Alexandria, Egypt, October, 1997.
2. AACR Annual Meeting, Philadelphia, PA, April 1999.
3. XVII International Congress of Clinical Chemistry and Laboratory Medicine, Firenze, Italy, June 1999.
4. Laboratory Medicine and Pathobiology Research Day, Toronto, Canada, May 1999.
5. 3rd Annual Symposium on advances in Laboratory Medicine, Toronto, Canada, June 1999.
6. •AACR-NCI-EORTC International Conference, Washington, DC, November 16-19, 1999.

Oral Presentations

1. Ninth Afro-Arab Conference on Liver and Biliary Diseases, Cairo, Egypt, 1994.
2. National Scientific Conference, Breast Cancer Research, Toronto, Canada, June 1999.

Original Research Papers

1. **Yousef G**, Luo L, Diamandis EP. Identification of novel human kallikrein-like genes on chromosome 19q13.3-q13.4. *Anticancer Res* 1999; 79: 2843-2852.
2. **Yousef GM**, Luo LY, Scherer SW, Sotiropoulou G, and Diamandis EP. Molecular characterization of zyme/protease M/neurosin (PRSS9), a hormonally regulated kallikrein-like serine protease. *Genomics* 2000; 62: 251-259.
3. **Yousef GM**, Obiezu C, Luo L, Black M, Diamandis EP. Prostase/KLK-L1 is a new member of the human kallikrein gene family, is expressed in prostate and breast tissues and is hormonally regulated. *Cancer Res* 1999; 59:4252-4256.
4. **Yousef GM**, Diamandis EP. The new kallikrein-like gene KLK-L2: Molecular characterization, mapping, tissue expression and hormonal regulation. *J Biol Chem* 1999; 274: 37511-37516.
5. **Yousef GM**, Scorilas A, Diamandis EP. Molecular characterization, mapping and tissue expression of the trypsin-like serine protease (TLSP) gene. *Genomics* (in press).

6. **Yousef GM**, and Diamandis E P. The human kallikrein gene locus: detailed map of the expanded human kallikrein gene family and molecular characterization of the KLK-L3 gene (submitted).
7. **Yousef GM**, Chang A, and Diamandis EP. Identification and characterization of KLK-L4, a new kallikrein-like gene which appears to be down regulated in breast cancer tissues. (Submitted).
8. **Yousef GM**, Scorilas A, and Diamandis EP. Molecular characterization, mapping, tissue expression and hormonal regulation of the human stratum corneum chymotryptic enzyme (HSCCE) gene. (submitted).
9. Obiezu CV, **Yousef GM**, and Diamandis EP. Identification of exon 1 of prostate/KLK-L1 gene. (submitted).
10. Foussias GM, **Yousef G**, and Diamandis EP. Identification and molecular characterization of Siglec-8, a new member of the Siglec family. (Submitted).
11. **Yousef GM**, Magklara A, and Diamandis EP. KLK-L5 is a Novel Serine Protease and a New Member of the Human Kallikrein Gene Family- Differential Expression in Breast Cancer (submitted).
12. **Yousef GM**, Magklara A, and Diamandis EP. Molecular characterization of KLK-L6, a novel kallikrein-like gene with differential expression in breast cancer (submitted).
13. **Yousef GM**, Chang A, and Diamandis EP. Characterization of the expanded human kallikrein gene locus (submitted).
14. Scorilas A, **Yousef GM**, Talieri M, and Diamandis EP. Identification and characterization of a novel testis specific serine/threonine kinase substrate gene (TSKS), located close to IRF-3 and the R-RAS oncogene. (submitted).

Review Articles

1. Diamandis EP, **Yousef GM**, Luo LY, Magklara A, Obiezu C. The new kallikrein gene family – Implications in carcinogenesis. *Trends Endocrinol Met.* 2000; 11: 54-60.

Published Abstracts

1. **Yousef GM**, Luo LY, Diamandis EP, Sotiropoulou G, Harbrick JA, Scherer SW, Grass L. The zyme/protease M/neurosin gene maps close to the human kallikrein gene family and is hormonally regulated. Proc. American Association of Cancer research, 40: 34(abstract # 230).1999.
2. **Yousef GM**, Obiezu CV, Luo LY, Balck MH, and Diamandis EP. The new kallikrein-like gene, prostate/KLK-L1, is expressed in prostate and breast tissues and is hormonally regulated. *Proc AACR-NCI-EORTC Int Conf* 1999, pp99, #484.
3. **Yousef GM**, Kim H, Luo LY, Black MH, and Diamandis EP. Molecular characterization, mapping and hormonal regulation of KLK-L2, a new member of the kallikrein gene family. *Proc AACR-NCI-EORTC Int Conf* 1999, pp98, # 482.
4. **Yousef GM**, Luo LY, and Diamandis EP. the human kallikrein gene locus-discovery of six new genes. *IFCC-WorldLab Symposium II* 1999, pp21, #14.

Patent Applications

1. **Yousef GM**, Luo LY, Diamandis EP. Identification of six new kallikrein-like genes.1999
2. **Yousef GM**, Luo LY, Diamandis EP. Identification of an OB-binding protein-like gene. 1999

GenBank Submissions

1. **Yousef GM**, and Diamandis EP. Homo sapiens kallikrein-like protein 3 (KLK-L3), complete cds. Accession # AF135026; April 20,1999 (Update Sept. 23,1999).
2. **Yousef GM**, Luo LY, and Diamandis EP. Homo sapiens kallikrein-like serine protease gene, complete cds. Accession # AF149289; August 28,1999.
3. **Yousef GM**, and Diamandis EP. Homo sapiens kallikrein-like protein 6 (KLK-L6), complete cds. Accession # AF161221. August 23,1999.
4. **Yousef GM**, Scorilas A, and Diamandis EP . Homo sapiens stratum corneum chymotryptic enzyme gene, complete cds. Accession # AF166330. July 7, 1999.
5. **Yousef GM**, Scorilas A, and Diamandis EP. Homo sapiens trypsin-like serine protease (TLSP) gene, complete cds. Accession # AF164623. July 1, 1999.
6. **Yousef GM**, Kim H, and Diamandis EP. Homo sapiens kallikrein-like protein 2(KLK-L2), complete cds. Accession # AF135028. March 13, 1999. (Updated Oct. 27, 1999).
7. **Yousef GM**, Foussias G, and Diamandis EP. Homo sapiens OB binding protein-like gene, complete cds. Accession # AF135027. March 13, 1999 (Updated Nov. 4, 1999).
8. **Yousef GM**, Magklara A, and Diamandis EP. Homo sapiens kallikrein-like protein 5(KLK-L5), alternative splice products, complete cds. Accession # AF135025. March 31, 1999 (Updated Nov. 1, 1999).
9. **Yousef GM**, and Diamandis EP. Homo sapiens kallikrein-like protein 4(KLK-L4), complete cds. Accession # AF135024. March 13, 1999 (Updated OCT. 19, 1999).
10. **Yousef GM**, Obiezu CV, Luo LY, Black MH, and Diamandis EP. Homo sapiens kallikrein-like protein 1(KLK-L1), complete cds. Accession # AF135023. March 13, 1999 (Updated Oct. 27, 1999).
11. **Yousef GM**, and Diamandis EP. Kallikrein-like protein 3 (Homo sapiens). Accession # AAD26427. April 20,1999 (Update Sept. 23,1999).
12. **Yousef GM**, and Diamandis EP .Kallikrein-like protein 6 (Homo sapiens). Accession # AAD50773. August 23,1999.
13. **Yousef GM**, Kim H, and Diamandis EP. Kallikrein-like protein 2 (Homo sapiens). Accession # AAD26429. March 13, 1999. (Updated Oct. 27, 1999).
14. **Yousef GM**, Foussias G, and Diamandis EP. Ob-binding protein-like protein (Homo sapiens). Accession # AAD26428. March 13, 1999 (Updated Nov. 4, 1999).
15. **Yousef GM**, Magklara A, and Diamandis EP. Kallikrein-like protein 5 (Homo sapiens), alternatively spliced forms. Accession # AAD26426. March 31, 1999 (Updated Nov. 1, 1999).
16. **Yousef GM**, and Diamandis EP. Kallikrein-like protein 4 (Homo sapiens). Accession # AAD26425. March 13, 1999 (Updated OCT. 19, 1999).

17. **Yousef GM**, Obiezu CV, Luo LY, Black MH, and Diamandis EP. Kallikrein-like protein 1 (Homo sapiens). Accession # AAD26424. March 13, 1999 (Updated Oct. 27, 1999).
18. Scorilas A, **Yousef GM**, Talieri M, and Diamandis EP. Homo sapiens kinase substrate protein gene, complete cds. Accession # AF200923. Oct.31, 1999.

Laboratory Skills

- Western, Southern, and Northern blotting
- DNA, RNA extraction
- Polymerase Chain Reaction : (PCR, RT-PCR, Long PCR, Multiplex PCR, Quantitative PCR)
- DNA cloning and purification
- Rapid Amplification of cDNA Ends (RACE)
- ELISA
- Radioimmunoassays (RIA)
- Radiation hybrid
- Restriction analysis studies
- Cell culture
- Auto analyzers and quality control procedures
- Electrophoresis: haemoglobin, serum proteins
- Laboratory rotations for 6 month in the following departments: Haematology, Microbiology, Parasitology, Immunology.

Computer Skills

- Gene prediction analysis
- Restriction analysis
- Gene and protein structure analysis
- Phylogenetic analysis
- Hydrophobicity and hydrophilicity studies

Teaching Experience

- Teaching clinical biochemistry sections for undergraduate and postgraduate medical students.
- Responsible for practical clinical chemistry exams for medical students (undergraduate and postgraduate).
- Teaching clinical biochemistry lectures for medical students and laboratory technicians.
- Participating in oral exams for undergraduate medical students.