



MOHAMED M. KHALED
“B.Sc., M.Phil /Ph.D. (Biochemistry)”

Date of Birth: 10/07/1962

Mailing Address: Lebanese

University

Nationality:

British /Lebanese

Faculty of Public Health

Status:

Married

3rd Branch

Tripoli - Lebanon

Profile:

Well organized, responsible, fully motivated, patient, known to have a good reputation among colleagues and students, nominated since 98' to be among the best lecturers in the faculty of Public Health-LUT, very much into the research projects whenever possible. Well experienced in working among a team and being a self-motivated person.

Well built, fit, endure long and hard work and thrive on pressure.

Education:

- 1987-1993 **University College and Middlesex School of Medicine, London - UK**
Department of Molecular Endocrinology
M.Phil /PhD, Thesis title: *The role of thyroid hormones in the metabolic homeostasis of the neuronal and glial cells in culture*. Involving various analytical techniques, producing 11/12 scientific publications. (Please refer to the relevant section for more details).
- 1989 **University College of London, UK**
 Technical Training, 3 months for safe handling radioactive materials, 3 month for RIA.
- 1985-1986 **Essex University, Colchester – UK.**
Department of language and linguistics
 ELTS Certificate
- 1980-1984 **Faculty of Science, University of Alexandria - Egypt**
Undergraduate course in Biochemistry.
 B.Sc. degree with "Very Good" grade
- 1978-1980 **Lycee La Liberte, Alexandria - Egypt**
 International Bachaloria, overall score 88.7 %

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Work Experience:**Academic:*****Universities & Polytechniques:***

- 1995-Present **Lebanese University**
General and Metabolic Biochemistry and Research Methodology Lecturer, at the Faculty of Public Health / Tripoli (2000 - present)
Clinical Biochemistry Lecturer, at Dental School (94'-98') and at the Faculty of Public Health / Tripoli (97' – 2000)
Practical Courses Supervisor of Medical and Biochemical Laboratory At the Faculty of Public Health (96'-present) & Medical School (98'-2000)
- 2011-2014 **Beirut Arab University (BAU)**, Beirut-Lebanon
 General, Metabolic and Medical biochemistry Tutor and coordinator.
 Member of Basic medical research team.
 President of student activity Committee
- 2003-2011 **Jinan University**, Tripoli – Lebanon
 Faculty of Public Health,
Dean of the Faculty 2008-2011
Head of Basic medical Sciences Department 2006-2008
 Lecturing the following topics: Endocrinology, General, Metabolic and Clinical Biochemistry, Human Physiology, Basic nutrition and Research Methodology.
- 1997-2000 **Jinan Polytechniques**, Tripoli – Lebanon. Lecturing on Clinical Biochemistry

Schools:

- 1998-2006 Worked in several schools (in Lebanon and UK) as **coordinator** for science and technology.

Practical's:

- 1989-1993 **Middlesex School of Medicine, London – UK M.Sc. Science Project Supervisor.**
- 1984-1985 **Lab. Technician** in a Medical laboratory, Alexandria - Egypt

Business:

- 1996-1998 **The International AL-Madaen EL Haditha Co.;** Beirut-Lebanon, **Public Relation Manager and Share holder.**
- 1988-1994 **Lincoln House Hotel**, London – UK. **Assistant Manager.**

1982-1983 **Privately owned company**, for food packaging and distribution, Alexandria - Egypt

Miscellaneous:

1988-1989 **Arabic/English Interpreter** for private medical patients, London - UK.

Memberships:

- ☉ Member of the society of endocrinology, London –UK, since 1989.
 - ☉ Member of the scientific Editorial Board, Jinan Scientific Journal, published by the scientific research centre at Jinan University, since 2007.
 - ☉ Founder and the acting president of The Medical Science Research Centre "MSRC", since 2008.
 - ☉ Member of the Editorial Board, Middle East journal of psychiatry and Alzheimer's, 2010.
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Skills:

Bilingual English /Arabic and very good conversational French; Very Good computing skills.

Clean British and Lebanese driving license

Referees: on request

Major Research Interests:

Biochemical, morphological and enzymatic characterization of **neuronal** and **astrocytic cells**. Compartmentation of metabolism in the brain. Ontogeny of enzymes and protein synthesis, as well as amino acid and carbohydrate uptake and metabolism, in primary **cell culture of brain cells**, also hormone nuclear and extra-nuclear binding sites. Developmental neurobiology of the human foetal brain. Hormonal influence on pre- and post-natal brain development and on metabolic homeostasis. Foeto-maternal controls of thyroid status in pregnancy.

Currently and since 2008, research interest was mostly concentrated on brain dementia and elderly diseases, in the process of submitting a relevant article.

Experience in Preparative and Analytical Techniques:

- 1- Density-gradient ultracentrifugation; Sub-cellular fractionation, such as synaptosomes, myelin, mitochondria and both glial and neuronal nuclei
- 2- Spectrophotometry
- 3- Densitometry
- 4- Fluorimetry.
- 5- Radioisotope tracer techniques; completed a full course at the University College of London for safe handling of radioactive materials.
- 6- Chromatography (protein and hormone purification):
 - i) Paper chromatography
 - ii) Column chromatography
 - iii) HPLC also applied on different occasions.
- 7- DNA extraction, amplification techniques (PCR) and sequencing.
- 8- Electrophoresis.
- 9- Radioimmunoassay techniques; completed a M.Sc. standard course in RIA.
- 10- ELISA
- 11- Cell culture, different immuno-staining methods were also applied
- 12- Polymerase Chain reaction (PCR).
- 13- Pyro sequencing.
- 14- Enzymology.

Conferences

- I. 13th European symposium on hormones and cell regulation, Alsace, France, 26-29 September 1988. Presented a paper, "*Effects of T3 on leucine, 2-deoxy-D-glucose, fucose uptake and protein synthesis in neurons and astrocytes in culture: A possible role of maternal thyroid hormones on growth and differentiation of neuronal cells in utero*"
- II. 180th meeting of society of endocrinology, 15-17 November 1989, London –UK, presented and attended a poster. "*Effects of thyroid hormones on ³H-lysine uptake and incorporation into protein in neuronal*".
- III. 1st NUKS¹ scientific conference, April - 25-26 - 1992, Coventry-UK, Presented a paper, "*Regulatory effect of thyroid hormones on Amino Acid Metabolism in the Brain: effect on 3H-Lysine metabolism in neural cell culture*".
- IV. Attended *Med-health Conference "quality, safety and infection control"* 15-17, 2005, Beirut-Lebanon, held by Arab hospitals Federation and Hamburg-Epindorff University Hospital.
- V. Attended one day conference on "Clinical Trials Regulation". 30th May 2009, Beirut-Lebanon, Held by MECRA² and Lebanese ministry of Health.
- VI. "2nd Middle East Congress on age, aging and Alzheimer's (MECAAA)", 4-6 Nov. 2009, at Safadi Centre, Tripoli-Lebanon, Held by the MEAMA³. As speaker, member of the advisory board as well as a key player in organizing committee.
- VII. Attended the 1st Arabic Aggregation for the strategic planning to fight the malignant tumours in the region. 23-24 June 2010, Cairo-Egypt, held by Cairo University and the Arabic congress for High education and scientific research committee – AARU⁴.

¹NUKS "National Union of Kuwait Students –United Kingdom and Ireland"

² MECRA "Middle East Clinical Research Association"

³MEAMA " Middle East Academy for Medicine of Ageing"

⁴AARU "Association of Arab Universities"

Other Communications

- VIII. Presented a Symposium at the AUB⁵, Department of Neurophysiology, 18 June 1991, Topic: Thyroid Hormone and Brain development.
- IX. Attended Symposium "hospitals management and accreditation", 14 Dec. 2009, held by the Lebanese Ministry of health.
- X. Supervised several epidemiological studies, most of them where distributed to the community in a form of pamphlets (such as sickle cell anaemia, tuberculosis, osteoporosis, breast cancer, nosocomial infections, diabetes mellitus. Few of these studies where produced as study books, such as osteoporosis, Alzheimer disease and HBA₁C level, Breast cancer.
- XI. Held a series of symposiums, 2008-2010, on public health awareness regarding the following topics, relevant pamphlets where also distributed :
- a. How to Manage Stress During examinations,
 - b. Sickle cell anaemia.
 - c. Alzheimer.
 - d. Diabetes Mellitus.
 - e. Osteoporosis.
 - f. Breast cancer.
 - g. PMS.
- XII. Contributed to the organization of several workshops for Advanced Postgraduate Course in Geriatric Care, 2009-2010, At Jinan University-Tripoli- Lebanon.
- XIII. Attended a scientific meeting "Update on treatment of Headaches", 15-October 2010, held by LSSP⁶, at the AUB.

⁵ AUB "American University of Beirut"

⁶LSSP "LEBANESE SOCIETY FOR THE STUDY OF PAIN"

List Of Publications

- 1-Sinha AK, Ekins RP, Ballabio M, Pickard M, Al Maiden Z, Gullo D, Ruiz de Elvira MC and **Khaled M** (1988). The correction of maternal hypothyroxinemia in early pregnancy in rats with irreversible biochemical lesions in the brain in the progeny. Abstract from "Iodine and the Brain Meeting" March 1989 (NIH, Bethesda, Maryland, USA).
- 2-Pickard MR, Sinha AK, **Khaled M**, Ruiz de Elvira MC and Ekins RP (1988). The effect of 3, 5, 3'- triiodothyronine on 2-deoxy-D-glucose uptake into the adult rat synaptosomes, J. Endocrinology 117 (suppl) Abstract 157.
- 3-Pickard MR, **Khaled M**, SinhaAK (1988). The effect of 3, 5, 3'-Triiodothyronine on 2-deoxy-D-glucose uptake into adult rat synaptosomes. Annalesd'endocrinologie 49: 241.
- 4-Ekins RP, Sinha AK, Ballabio M, Pickard M, Hubank M, Al Mazidi Z and **Khaled M**. (1988). Role of maternal carrier proteins in the supply of thyroid hormones to the fetoplacental unit: evidence of a fetoplacental requirement for thyroxin. In: Research in Congenital Hypothyroidism. Eds.: Delange F, Fisher DA & Glinoeer D. Plenum Press, New York&London. pp. 45-60.
- 5-Sinha AK, Pickard M, Hubank M, Gullo D, **Khaled M** and Ekins RP (1988). Effects of T3 on leucine, 2-deoxy-D-glucose, fucose uptake and protein synthesis in neurons and astrocytes in culture: A possible role of maternal thyroid hormones on growth and differentiation of neuronal cells in utero. Abstract from the 13th European symposium on hormones and cell regulation, Alsace, France, 26th-29th September 1988.
- 6-Sinha A, Pickard M, Ballabio M, Hubank M, **Khaled M**, Gullo D and Ekins R (1989). Maternal hypothyroxinemia may cause deficit in glucose metabolism in the cortex of the adult rat progeny. Annalesd'endocrinologie50: 136.
- 7-Ekins RP, Sinha AK, Pickard M, Ballabio M, Hubank M, **Khaled M** and Hadjzadeh M (1989). Maternal thyroid hormone transport in pregnancy. Journal of Endocrinology 123 (suppl) Abstract 20.

- 8-**Khaled M**, Sinha A, Pickard M, Hubank M, Ekins RP (1989). Effects of thyroid hormones on ^3H -lysine uptake and incorporation into protein in neuronal culture. *Journal of Endocrinology* 123 (suppl) Abstract 145.
- 9-Eakins RP, Sinha AK, Ballabio M, Pickard M, Al Mazidi Z, **Khaled M** and Hadjzadeh M. (1989). Maternal control of the foetal hormonal environment. Abstract from an International Symposium on Environment, Genetics and Thyroid Disorders, 6-8 March, New Delhi, India.
- 10-Pickard MR, Sinha AK, Gullo D, **Khaled M** and Ekins RP (1990). Regulatory effects of thyroid hormones on amino acid metabolism in the brain: The influence of maternal hypothyroxinemia on brain biochemistry of adult rat progeny. In *Amino Acids "Chemistry, Biology and Medicine"*. Lubec G and Rosenthal GA (eds). ESCOM Science publishers, Leide, The Netherlands, pp. 828-838.
- 11-**Khaled M**, Sinha AK, Pickard MR and Ekins RP (1992). Regulatory effect of thyroid hormones on Amino Acid Metabolism in the Brain: effect on ^3H -Lysine metabolism in neural cell culture. First scientific conference by National Union of Kuwait Students, Country UK. Abs 11:20.
- 12-**Khaled M**, Sinha AK, Pickard M, Gullo D and Ekins RP. Reverse tri-iodo-thyronine has intrinsic thyromimetic effect on 2-deoxy glucose, lysine uptake and lysine incorporation into protein in neurons and astrocytes in culture. *J Endocrinology*, Dec. 1994.
- 13-**M. Khaled**, A. Saddik, D. Safadi, A. Saleh and O. Amin (2010). Spot light on Alzheimer's disease in the north of Lebanon, *Middle East journal of psychiatry and Alzheimer's*, volume 1, issue 1, pp 21-37.