

Curriculum Vitae 2022



Name

Dr. Ahmed Zaid

Date of birth

08-26-1969

Current Work Address:

Department of Biochemistry and Molecular Biology
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Marital Status

Married with Three children.

Citizenship

LIBYAN

E- mail address

A.Zaid@uot.edu.ly

Languages Fluent in Arabic, English, Swedish and intermediate level in French.

Positions, Distinctions, Grants and Awards

- Chairman of the department of Biochemistry and Molecular Biology, Faculty of Medicine, University of Tripoli, Libya Since 2018
- Vice Dean of the Faculty of Medicine , University of Tripoli April 2015 - 2018
- Member of the high committee for Preference Exam for new students from high school at the faculty of Medicine, University of Tripoli since 2015
- Member and the coordinator of the committee for Medical Curriculum Development at the Faculty of Medicine, University of since 2015
- Member of the Board of Directors of the Center for Research, Consultancy and Training of Tripoli University since 2018

- Verification Officer of the Faculty of Medicine, for graduate medical doctors of the faculty of Medicine for ECFMG International Credentials Services. Since 2015
- President of Discipline committee at the Faculty of Medicine, University of Tripoli 2015-2018
- President of the Molecular Diagnostics laboratories at Tripoli University Hospital Libya 2015-2016
- President The committee for Admission, Transfer and Scientific evaluation at the Faculty of Medicine, 2015 - now.
- Member and coordinator of the Committee for Quality Assurance and Performance Evaluation at the Faculty of Medicine, university of Tripoli 2015 - now.
- Grant from Libyan National Academy for Scientific Research to study Genetic diseases in Libya 2010-2017 for the project " Genetic diseases in Libyan Populations".
- Ekström Scholarship for doctoral students Sweden, Jan 1997- Dec 1998.
- Wallenberg Scholar for doctoral students Sweden Jan 1999- Dec 2000.
- Canadian Heart and Stroke Research Fellowship award Canada 2002-2005.

Work and Education

- Currently working as an Associate professor at the Department of Biochemistry and Molecular Biology at the Faculty of Medicine at the University of Tripoli since 2018.
- Teaching Medical Biochemistry and Molecular Biology for the first and second years at the Faculty of Medicine using problem based learning since 2009.
- Teaching Genetic Engineering I and II at the Libyan Academy for postgraduate studies. 2011-2018.
- Vice Dean the Faculty of Medicine, University of Tripoli 2015.-2018
- Sabbatical leave at Montreal Heart Institute at the University of Montreal. Canada March to Aug 2014.
- Assistant professor at the Department of Biochemistry at the Faculty of Medicine at the University of Tripoli 2012-2018.
- Lecturer at the Department of Biochemistry and Molecular Biology at the Faculty of Medicine, the University of Tripoli 2009-2011.
- Postdoctoral at the Institut de Recherches Cliniques de Montreal, University of Montreal, Quebec, Canada, Sep 2002 to June 2008.
- Postdoctoral Scientist at the Department of Molecular Biology, Stockholm University. Stockholm, Sweden, From Feb 2002 till Aug 2002.
- Ph.D degree in Biochemistry from the Department of Biochemistry Oct 2001, Stockholm University, From June 1996 till Oct 2001 .
- Master degree in Science (Major in Biochemistry) from Stockholm University, Sweden May 1996, From Feb 1992 till May 1996.
- Bachelor degree in Science (Major in Biochemistry) from Narsar University, Tripoli, Libya 1992, from Sep1987 till Feb 1992.

International Scientific Conferences and presentations

- 1- 10th European Bioenergetics Conference. June 27-July 2, 1998. Göteborg, **Sweden** (a poster of my work was presented).
- 2- 11th European Bioenergetics Conference. Sep 9-14, 2000. Brighton, **UK** (a poster of my work was presented).
- 3- Scandomito. Feb 19-21, 2000. Helsinki, **Finland** (oral presentation)
- 4- 2nd Arrhenius symposium, 1998. Stockholm University, **Sweden**.
(a poster of my work was presented)
- 5-Canadian Stroke Network Annual General meeting 30 May-1 June 2003 New Brunswick, **Canada** (won 1st poster prize of 65 presenters).
- 6-Canadian Stroke Network Annual General meeting 1 -3 June 2004 , Vancouver, **Canada**.
- 7-Canadian Stroke Network Annual General meeting 1 -3 June 2006 , New Foundland, Canada (won the 2ed best poster prize of 62 presenters)
- 8- Gordon Research Conference ''Proprotein Processing, Trafficking and Secretion'' 9-14 July 2006. New England College Henniker, NH, **USA**.
(won 1st presentation prize of 150 presenters)
- 9- American Heart association meeting, 2-6 Nov 2007. Orlando, Florida, **USA**
- 10- Gordon Research Conference ''Proprotein Processing, Trafficking and Secretion'' 14-19 July 2008. New England College Henniker, NH, **USA**.
- 11-Arab lab (the Federation of biochemistry society) May 2012 Marakech, **Maroc**.
- 12 Workshop organized by Roach diagnostic in Dubai **UAE** Nov 2015.
- 13- Workshop organized by Roach diagnostic in Dubai **UAE** Nov 2018.

International Courses (1 point = 1 week)

- 1 -''Advance Biochemistry course'', 3 points Imperial college, 1998, London, **UK**.
- 2-FEBS advance course, March 2000, '' *Expression and regulation of mitochondrial oxidative phosphorylation and disorders in human pathology*'', Bari, **Italy**.
- 3- ''*Molecular Biology of Aging*'' 1-18 August, 2000. Marine Biology laboratory, Woods Hole, Massachusetts, **USA**.
- 4-''*Organelles biogenesis and breakdown*, 8 points 1997-10 1997. Stockholm University, **Sweden**.
- 5- ''*Bioinformatics*'', 5 points 1997, Stockholm University **Sweden**.
- 6- *Eucaryotic gene transcription*, 1996, 3 points, Stockholm University **Sweden**.
- 7-*Animal Models of Stroke and Functional Recovery*, 1 Point May 2006 New Foundland, **Canada**.
- 8- DNA Sequencer and RT-PCR training course, by Applied Biosystem Inc., 1 Point 2013, Tripoli **Libya**.
- 9- HRM Technique in Biomedical Sciences organized by Roach diagnostic Inc.in **Germany** 1 Point Jan 2018.

Academic Teaching experiences.

- Tutored Biochemistry and Molecular Biology basic course I at the Department of Biochemistry, Stockholm University, Sweden for two months a year between 1996 -2001.
- Lab supervisor for Master student, Anna Roubtsova, from the Department of Experimental Medicine, University of McGill, Canada 2005 -2008.
- Tutored Clinical Biochemistry basic course I at the Department of Biochemical Neuroendocrinology at the Clinical Research Institute of Montreal at Montreal University, 2004 - 2008.
- Tutored Medical Biochemistry advance course for post-graduates at the Department of Biochemistry at Al Arab Medical University, in Benghazi Dec 2008.
- Tutored Bioinformatics course for post-graduates at the Department of Biochemistry at Al Arab Medical University, in Benghazi April 2012- 2019

- Tutored Clinical Chemistry & Molecular Diagnostics at the Libyan Academy for postgraduate studies Janzour Libya 2013-2019
- Tutored Genetic Engineering I & II at the Libyan Academy for postgraduate studies Janzour Libya 2013-2019

Scientific Memberships

- Professional member at the American Heart association.
- Professional member at the American Stroke association.
- Canadian Heart and Stroke Network.
- Libyan National Academy for Scientific Research.

Supervision of postgraduate students

- **Mona Alramli**, University of Benghazi, Libya, received Master of Science Degree in Biochemistry and Molecular Biology (2013-2015)
Project: Biochemical and Molecular study of Chronic Granulomatous Disease In Libyan Patients
- **Ghada Salem**, Libyan Academy, received Master Degree in Genetic Engineering (2014-2016)
Project: Biochemical and Molecular study of Familial Hypercholesterolemia in Libya
- **Abdulkarem Sassi**, Libyan Academy, received Master Degree in Genetic Engineering (2017-2019)
Project: Effect of Mutations in PCSK9 Gene in Libyan Patients with Familial Hypercholesterolemia
- **Eyman Assied**, Libyan Academy received Master Degree in Genetic Engineering (2018-2020)
Project: Identification of The Low-Density Lipoprotein Receptor Gene (*LDLR*) Mutations That Cause Familial Hypercholesterolemia in Libyans

Patents in Biochemistry and Molecular Biology.

- PCSK9 Knockout mice., By Seidah N, Prat. & A, **Zaid A.** Invention declaration signed on 14th of **Aug 2008** at the Clinical Research Institute of Montreal in Canada (VAL -662-IRCM-PSN0804) with the company Adaerata.
- Genetic Engineering of Human PCSK9 Transgenic Mice Lacking Endogenous Mouse PCSK9. Seidah N, Prat. Elssalmani R. A, & **Zaid A** Invention declaration signed on 22nd of **Aug 2016** at the Clinical research Institute of Montreal in Canada (VAL-1444-IRCM) with the company Adaerata.

Scientific Publications, 2020 (Google Scholar =15015 Citations) (RG Score = 24.75)

***corresponding Author**

- 1- **Zaid, A.**, Li, R., Luciakova, K., Barath, P., Nery, S., Nelson, B. D. (1999) J of Bioenerg Biomembr. 31, 129-35.
On the role of the general transcription factor Sp1 in the activation and repression of diverse mammalian oxidative phosphorylation gene.
- 2- Li, R., Luciakova, K., **Zaid, A.**, Betina, S., Nelson, B. D. (1997) Mol cell Endocrinol. 128 (1997) 69-75.

Thyroid hormone activates transcription from the promoter region of some human nuclear-encoded genes of the oxidative phosphorylation system.

- 3- Li, R., Hodny, Z., **Zaid, A.**, Nelson B. D. (1999) J Biochem (Tokyo). 126 , 130-6.
AP-2 enhances Sp1-dependent activation of the growth-regulated human ATP/ADP translocator.
- 4- Xu, D., Wang, Q., Cruber, A., Björkholm, M., Chen, Z., **Zaid, A.**, Selivanova, G., Peterson, C., Wiman, KG., Pisa, P., (2000) Oncogene 26, 5123-33
Downregulation of telomerase reverse transcriptase mRNA expression by wild type p53 in human tumor cells.
- 5- Luciakova, K., Barath, P., Li, R., **Zaid, A.**, Nelson, B. D. (2000) Biochem J. 351, 251-6.
Activity of the human cytochrome c1 promoter is modulated by E2F.
- 6- **Zaid, A.**, Hodny, Z., Li, R., Nelson, B. D. (2001) Eur J Biochem. Nov; 268 (21):5497-503.
Sp1 act as a repressor of the human adenine nucleotide translocase-2 (ANT2) promoter.
- 8- Kylin H, Hellstrom A, Nordstrand E, **Zaid A.** (2003) Chemosphere. Jun;51(8):669-75
Organochlorine pollutants in Scots pine needles biological and site related variation within a forest stand.
- 9- **Zaid A**, Sun JS, Nguyen CH, Bisagni E, Garestier T, Grierson DS, Zain R. (2004) Chembiochem. Nov 5;5(11):1550-
Triple-helix directed cleavage of double-stranded DNA by benzoquinoxaline-1,10-phenanthroline conjugates.
- 10- Seidah NG, Mayer G, **Zaid A**, Rousselet E, Nassoury N, Poirier S, Essalmani R, Prat A. Activation and
physiological functions of the proprotein convertases (2008) Int J Biochem Cell Biol. Feb 8; PMID: 18343183
- 11- **Zaid A**, Roubtsova A, Essalmani R, Marcinkiewicz E, Chamberland A, Hamelin J, Tremblay M, Jacques J, Jin W,
Davignon J, Seidah NG and Prat P. (2008). Hepatology. 125(7):894-901. PCSK9: hepatocyte-specific LDL receptor
degradation and critical role in mouse liver regeneration.
- 12- Essalmani R, **Zaid A**, Marcinkiewicz E, Chamberland A, Seidah NG and Prat P. (2008) **Proc Natl Acad Sci USA**.
Mar 31 105(15):5750-5. In vivo functions of the proprotein convertase PC5/6 during mouse development: Gdf11 is a
likely substrate.
- 13- Gariani L, Elnageh K, Elnagaeh N, Moafa M, Hawase A, **Zaid A***, (2010) JMJ 10(Vol 2):133-135 Evaluation of
Copper and Zinc in Libyan children using atomic absorption spectrometry.
- 14- **Zaid A***, Salem G Sp2, Sp3, Sp3 in the transcriptional regulation of the promoter of nuclear encoded mitochondrial
genes. (2012) Egyptian Journal of Biochemistry & Molecular Biology VOL 30 (N.2)217- 228.
- 14- Denis M, Marcinkiewicz J, **Zaid A**, Gauthier D, Poririer S, Lazure C, Seidah N and Prat A. (2012) Circulation
125:894-901; originally published online January 18, 2012; Gene inactivation of proprotein convertase subtilisin/kekin
Type 9 reduces Atherosclerosis in Mice.
- 15- Bamimore MA, **Zaid A**, et al (2015) J Clin Lipidol. Mar-Apr;9(2):187-94. doi: 10.1016/j.jacl.2014.11.008. Epub
2014 Nov 29. Review. Need for a Familial Hypercholesterolemia Registry in the Middle East and North Africa Region.
16. **Zaid A***, Salem G. (2017) 2 end Medical Research Conference, University of Tripoli Libya .A novel single point
mutation on the LDL receptor in Libyan hypercholesterolemia family
- 17- Salem G. Tabagh R. **Zaid A***. (2017) Libyan J Med Res Vol. 11, No. 2. Mutational screening in the PCSK9 gene
among Libyan patients presenting familial hypercholesterolemia
18. **Zaid A***, Salem G. (2017) 4th Medical Research Conference. University of Tripoli Libya. A novel single point
mutation on the LDL receptor in Libyan hypercholesterolemia family
19. **Zaid A***, Salem G. (2018) A comparative evaluation of two DNA extraction protocols from whole blood
sample. April Conference: The Second Libyan Conference of Laboratory Medicine at Musrata, Libya

- 20-Tabagh R. Alshibani A. **Zaid A** Marwan M. (2018) Libyan Journal of Science Vol 21B P 9-16. Screening of Three Exons of PKD1 gene In Five Patients with Autosomal Polycystic Kidney Disease
- 21- Elhadi M Mashergi A, Elkeelani M. Zorgani A. **Zaid A** et al. (2020) American Journal of Tropical Medicine and Hygiene. Doi: 10.4269/ajtmh.20-0330.Assessment of Healthcare Workers' Levels of Preparedness and Awareness Regarding COVID-19 Infection in Low-Resource Settings.
22. Elhadi. N Et al. Zaid A. (2020) BMJ Open 10 (8):e03938 Prevalence of Anxiety and Depressive Symptoms among Emergency Physicians in Libya after Civil War. A cross-Sectional Study.
23. Elhadi. M et al **Zaid A** (2020) Journal of Psychosomatic Research 137:110221/ Psychological status of healthcare workers during the civil war and COVID-19 pandemic: A cross-sectional study
- 24- Msalati A. Bashein A. Khalil I, Sedaa K ,bushawashi A, **Zaid A*** (2021) Libyan J Med;16(1):1857525. doi: 10.1080/19932820.2020.1857525.Association of Venous Thromboembolism and Myocardial Infarction with Factor V Leiden and Factor II Gene Mutations among Libyans
25. Elramli M Matoug I. **Zaid A*** (Submitted to the Libyan Journal of Medicine) Biochemical and Molecular study of Chronic Granulomatous Disease In Libyan Patients
- 26- **Zaid A*** Elhadi. M et al. (Submitted to PLOS ONE). The Impact of the COVID-19 Pandemic on Medical Education: Medical Students' Knowledge, Attitudes, and Practices Regarding Electronic Learning
- 27- Salem G, Shaboun S, Algamodei, **Zaid A**, et al. (2022) Mediterr J Pharm Pharm Sci. 2(1): 100-108. Effect of occupational exposure on hematological and biochemical parameters in workers at oil and gas companies
28. EA A Msalati , A Bashein,, M Ghrew, K Sedaa, **A Zaid**.(2022) Mediterr J Pharm Pharm Sci 2 (1), 73-82P revalence of vitamin D deficiency in medical students.
29. F Alnagar, A Ellafi, H Ellafi, H Alemam, A abdelmula, E Gharez, A Elzghied , A Zaid (2022) Al-Ostath, April. The Association of Sociodemographic Characteristics of Blood Donors with Primary Preventive Measures (PPM) During COVID-19 Pandemic