

Curriculum Vitae

Name: Mohammed Marwan Atta Laqqan

Nationality: Palestinian

Date of Birth: 14, Oct, 1984

Place of Birth: Khan Younis, Gaza

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Marital Status: Married

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Short Biography: I got the degree of Ph.D. in Molecular biology and biochemistry of reproductive medicine-Germany in 2018. In addition to, I got the master degree in Biological Sciences in 2010 and a bachelor's degree in Medical Technology in 2007. Besides that, I worked as a lecturer in Human Physiology, Molecular Biology, Microbiology, Clinical Chemistry, and Biochemistry in the Faculty of Medicine and Medical Technology Department at the Islamic University-Gaza.

Academic History

2014- 2018: Ph.D. at Molecular Biology and Biochemistry of Reproductive Medicine-Saarland University, Germany.

2008-2010: Master at Biological Sciences- Islamic University of Gaza, Palestine.

2002-2007: Bachelor at Medical Technology- Islamic University of Gaza, Palestine.

2001-2002: High school (Scientific section)- Gaza Strip, Palestine.

Experience History

2015-2018: Assist in the supervision of the master's theses during the period of doctoral study, Germany.

2010-2014: Lecturer at the Faculty of Medicine- Islamic University- Gaza, Palestine.

2007-2010: Teaching assistant at the Department of Medical Technology - Islamic University- Gaza, Palestine.

2013-2014: Lecturer at the Department of Laboratory Medical Sciences- Al-Aqsa University- Gaza, Palestine.

2009-2010: Lecturer at the Faculty of Science & Technology- Khan Younis, Palestine.

Teaching Experience

I have been involved in the teaching of the following scientific subjects:

Practical Medical Physiology	Faculty of Medicine
Practical Medical Biochemistry	Faculty of Medicine
Practical Molecular Biology	Faculty of Medicine
Practical Microbiology	Faculty of Medicine
Practical Hematology and Blood Bank	Medical Technology Department
Practical Clinical Chemistry	Medical Technology Department
Practical General Microbiology	Medical Technology Department
Practical Diagnostic Microbiology	Medical Technology Department
Biochemistry	Faculty of Science & Technology
Microbiology	Faculty of Science & Technology

Publications

1. **Laqqan M**, Tierling S, Al khaled Y, Lo Porto C, Solomayer EF, Hammadeh M. Spermatozoa from males with reduced fecundity exhibit differential DNA methylation patterns. **Andrology**. 2017 Sep 1;5(5):971-8.

2. **Laqqan M**, Tierling S, Al khaled Y, Lo Porto C, Solomayer EF, Hammadeh ME. Aberrant DNA methylation patterns of human spermatozoa in current smoker males. **Reproductive Toxicology**. 2017 Aug 1;71:126-33.
3. **Laqqan M**, Solomayer EF, Hammadeh M. Aberrations in sperm DNA methylation patterns are associated with abnormalities in semen parameters of subfertile males. **Reproductive biology**. 2017 Sep 1;17(3):246-51.
4. **Laqqan M**, Tierling S, Al khaled Y, Lo Porto C, Hammadeh ME. Alterations in sperm DNA methylation patterns of oligospermic males. **Reproductive biology**. 2017 Dec 1;17(4):396-400.
5. **Laqqan M**, Solomayer EF, Hammadeh M. Association between alterations in DNA methylation level of spermatozoa at CpGs dinucleotide and male subfertility problems. **Andrologia**. 2018 Feb 1;50(1).
6. **Laqqan M**, Hammadeh ME. Aberrations in sperm DNA methylation patterns of males suffering from reduced fecundity. **Andrologia**. 2018 Apr 1;50(3).
7. **Laqqan M**, Hammadeh ME. Alterations in DNA methylation patterns and gene expression in spermatozoa of subfertile males. **Andrologia**. 2017 Dec 12.
8. Al Khaled Y, Tierling S, **Laqqan M**, Lo Porto C, Hammadeh ME. Cigarette smoking induces only marginal changes in sperm DNA methylation levels of patients undergoing intracytoplasmic sperm injection treatment. **Andrologia**. 2018 Feb 1;50(1).
9. Al khaled Y, **Laqqan M**, Tierling S, Lo Porto CL, Hammadeh ME. DNA methylation level of spermatozoa from subfertile and proven fertile and its relation to standard sperm parameters. **Andrologia**. 2018 Mar 25.
10. Al khaled Y, **Laqqan M**, Tierling S, Lo Porto C, Amor H, Hammadeh ME. Impact of cigarette smoking on sperm DNA methylation and its effect on sperm parameters. **Andrologia**. 2018 Jan 9.

11. Ahmed I, Abdelateef S, **Laqqan M**, Amor H, Abdel-Lah MA, Hammadeh ME. Influence of extended incubation time on Human sperm chromatin condensation, sperm DNA strand breaks and their effect on fertilisation rate. **Andrologia**. 2018 Feb 14.
12. Amor H, Zeyad A, Al khaled Y, **Laqqan M**, Saad A, Ben Ali H, Hammadeh ME. Relationship between nuclear DNA fragmentation, mitochondrial DNA damage and standard sperm parameters in spermatozoa of fertile and sub-fertile men before and after freeze-thawing procedure. **Andrologia**. 2018 Mar 12.
13. Yassin MM, Lubbad AM, Taha AZ, **Laqqan MM**, Jamiea SM. Testosterone and gonadotropins in infertile men with Sertoli cell only syndrome from Gaza strip. **Journal of Medicine**. 2017;18(1):21.
14. Yassin MM, Lubbad AM, **Laqqan MM**, Alzmaily ES. Impact of Age on Ovarian Response and IVF Outcome during Controlled Ovarian Hyperstimulation in Women from Gaza Strip. **Journal of Medicine**. 2014 Aug 5;15(1):36-40.
15. Yassin MM, Sharif FA, **Laqqan MM**. Anti-mullerian hormone as a predictor of ovarian reserve and ovarian response in IVF women from Gaza strip. **Iranian journal of reproductive medicine**. 2013 Apr;11(4):261.
16. Yassin MM, **Laqqan MM**, Alzmaily ES. Serum Estradiol Level as a Predictor of Ovarian Response and Pregnancy Outcome during Controlled Ovarian Hyperstimulation in Women from Gaza Strip. **Journal of Medicine**. 2013 Apr 13;14(1):52-6.
17. **Laqqan MM**, Ashour MJ, Silmi AS, Sharif FA. Chromosomal aberrations in males occupationally exposed to chemical pollutants in the Gaza Strip-palestine. *The Islamic University Journal (Series of Natural Studies and Engineering)*. 2011;19:23-31.

Abstracts in scientific conferences

1. **Laqqan MM**, Walter J, Al Khaled YA, Tierling S, Hammadeh ME. Genome-wide DNA methylation analysis of sperm DNA from smoking males suffering from idiopathic infertility. *Fertility and Sterility*. 2016 Sep 1;106(3):e372. (**ASRM 2016**).
2. **Laqqan MM**, Al Khaled YA, Tierling S, Walter J, Hammadeh ME. Epigenome analysis using Infinium 450K BeadChip arrays identifies aberrant DNA methylation in spermatozoa of males with unexplained infertility. *Fertility and Sterility*. 2016 Sep 1;106(3):e227. (**ASRM 2016**).
3. **Laqqan M**, Al Khaled Y, Solomayer E. F, Hammadeh M. Influence of cigarette smoking on DNA methylation levels of sperm from the current smokers. *Human Reproduction, Abstracts of the 33rd Annual Meeting of ESHRE*, Geneva, Switzerland. 2017 July 32;1. (**ESHRE 2017**).
4. **Laqqan M**, Al Khaled Y, Hammadeh M. Aberrations in sperm DNA methylation patterns of males suffer from infertility problems. *Fertility and Sterility*. 2017. (**ASRM 2017**).
5. **Laqqan M**, Al Khaled Y, Hammadeh M. Alterations in sperm DNA methylation patterns are associated with semen parameters in subfertile males. *Fertility and Sterility*. 2017. (**ASRM 2017**).
6. Al Khaled Y, **Laqqan M**, Hammadeh M.E. Impact of DNA methylation in fertile and subfertile patients on sperm parameters and fertilization rate. *Fertility and Sterility*. 2017. (**ASRM 2017**).
7. Al shawa Eiman, **Laqqan Mohammed**, Montenarh Mathias, Hammadeh Mohamad. Eid. The effect of cryopreservation on Catsper 2 and Tektin 2 proteins and RNA expression levels in human spermatozoa. *ISFP Congress*. 2017.
8. Al khaled Y, Laqqan m, Jahmani M.A.D, Abu Dayyih A, Abd Al-razaq M, Hammadeh ME. Impact of cigarette smoking on sperm DNA methylation

CURRICULUM VITAE

patterns and gene expression. Abstracts of the 34th Annual Meeting of the ESHRE, Barcelona, Spain 1 to 4 July 2018. (**ESHRE 2018**).

9. Training Courses

1. From 13th January to 25th January 2008 a 18-hour training course in "Quality Assurance Laboratories Management" Held at the Islamic University of Gaza, Community Service & Continuing Education Deanship CSCED.
2. From 18th September to 16 th October 2011 a 40-hour training course in "Test of English As a Foreign Language" Held at the Islamic University of Gaza, Community Service & Continuing Education Deanship CSCED.

Computer Skills

1. Microsoft office (Word, Power-Point and Excel).
2. SPSS: Statistical Package for the Social Sciences.
3. Thomson ISI ResearchSoft EndNote.

Languages

Arabic: My native language.

English: Very Good.

German: Good.

References:

Name: Prof. Dr. Hammadeh Mohamad

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Signature

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Date

16.07.2018