

Curriculum Vitae



Name Usama Ismal Mjbel Al-Zubaidi
Email usama.alzubaidi@st.nahrainuniv.edu.iq
or usama.alzubaidi7@gmail.com

Research area of Interest:

Embryology, Assisted Reproductive technologies (ART) included, IVF and ICSI, early embryo development, Reproductive and Infertility.

Scholarships, Awards and Position:

- Academic Research Assistant position, post-doctorate 2020.
- Postgraduate Publications Award, 2020.
- Monash Department scholarship, 2018.
- Iraqi Ministry of Higher Education and Scientific Research scholarship, 2014.

Academic degrees:

- **2015-2021:** Doctorate in Reproduction and Clinical Embryology, Department of Anatomy and Developmental Biology, Monash University, Australia.
- **2006-2008:** Master of Science in Applied Embryology (with thesis), Department of Applied Embryology, Al-Nahrain University, Iraq.
- **2000-2005:** Bachelor Degree in Veterinary Medicine and Surgery, College of Veterinary Medicine, University of Baghdad, Iraq.

Work and Teaching experience:

- Demonstrating as practical classes of Second-year developmental biology (DEV2011), Monash University 2017.
- Advanced practice General embryology for post graduate students (M.Sc.).
- Advanced practice Experimental embryology for post graduate students (M.Sc.).
- Advanced practice Assistant Reproductive technologies for post graduate students (M.Sc.).

IT Experience and Skills:

I have obtained the following workshop certificates so I am confident in using Microsoft Office applications, Statistical Package for Social Sciences (SPSS) and Statistical Analysis Software (SAS):

- Exploring Statistics Using SPSS. December 2010, Al-Nahrain University
- Technique and Skill Improvement in Using the 'Integrated' SAS and EXCEL Packages in Data Handling, Statistical Analysis, and the Analysis Output and Presentation. December 2009, Al-Nahrain University
- SPSS Statistical Package. December 2009, Al-Nahrain University

Key Skills:

- Extremely organised with a high level of attention to detail
- Strong communication skills, both written and oral
- Data collection and management
- Ability to respond to tight timeframes and deadlines
- Quick learner with ability to work alone with little or no supervision or as part of a team to achieve objectives
- Strong analytical and problem solving skills. Able to take ownership of issues as required
- Reliable and proven ability to deal with confidential information

Conferences:

Attending in WCRB 2017 in Okinawa-Japan, SRB 2018 in Adelaide-Australia, Aussie Mit 2018 in Melbourne-Australia, ASRM 2019 in Philadelphia-USA Conferences.

Scientific Workshop and Scientific Training Certificates

1. Training course in update in infertility held at human resources training and development center / Ministry of health through the period from 1st to 2nd April, 2009.
2. Training course in Intrauterine Insemination (IUI) at institute of embryo researches and infertility treatment through the period from 3rd to 5th March, 2009.
3. Training course in Assisted Reproduction Technologies (IVF) at institute of embryo researches and infertility treatment through the period from 12th to 14th May, 2009.
4. Training course in In Vitro Fertilization and Assisted Reproduction Technologies at institute of embryo researches and infertility treatment through the period from 22nd to 25th November, 2009.
5. Training course in World international net at institute of embryo researches and infertility treatment in 11 March, 2009.
6. Training course in work shop by German team in Intra cytoplasmic sperm injection and vitrification at institute of embryo researches and infertility treatment through the period from 14th to 15th April, 2010.
7. Training course in Preparation of histopathology sections at Iraqi center for cancer and medical genetics research through the period from 7th to 11th November, 2010.

8. Certificate for participating at 2nd scientific conference biotechnology research center / ALnahrain University in Nov. 2010.
9. Certificate for participating at 10th specialty scientific conference for college of veterinary medicine / Baghdad University through the period from 23th to 24th March 2010.
10. Certificate for participating at 1st specialty scientific conference for embryo researches and infertility treatment in institute for embryo researches and infertility treatment / ALnahrain University through the period from 12th to 13th January 2011.
11. Certificate for participating at 1st specialty scientific conference for Biological Science in college of education for girls / AL kufa University through the period from 24th to 25th April 2011.
12. Certificate for participating at Advance training course for Microsoft power point-2007 in institute for embryo researches and infertility treatment / ALnahrain University through the period from 29th to 31th May 2011.
13. Certificate for participating at Advance training course for Statistical Analysis System (SAS) in institute for embryo researches and infertility treatment / ALnahrain University through the period from th to th June 2011.
14. Certificate for participating at 1st specialty scientific conference for Biological Science in department of biology / college Science / university of Baghdad through the period from 6th – 7th march 2012.
15. Certificate for participating at Advance training course on all aspects of Assisted Reproduction Technologies in Mount Lebanon Hospital from the 7th to the 11th of January 2014.
16. Certificate for participating at Advance training course on ICSI skills in Monash University.

Title of Thesis:

- Ph.D The role of mitochondria-targeted therapeutics to improve oocyte quality in mice and humans
- M.Sc. Comparative study on the effects of Sildenafil citrate treatment on parameters of human and mice spermatozoa.

Membership in Scientific Society:

- Member of the American Society for Reproductive Medicine
- Member of the Iraqi Fertility Society
- Member of the Iraqi zoonotic diseases Society
- Lecturer at High institute for infertility diagnosis and assisted reproductive technologies.

Journals and Proceedings:

1. Deepak Adhikari, In-won Lee, Usama Al-Zubaidi, Jun Liu, Qing-Hua Zhang, Wai Shan Yuen, Likun He, Yasmyn Winstanley, Hiromi Sesaki, Jeffrey R Mann, Rebecca L Robker, John Carroll. Science advances. 2022 Jun. Vol 8, Issue 24, DOI: 10.1126/sciadv.abl8070. Depletion of oocyte dynamin-

- related protein 1 shows maternal-effect abnormalities in embryonic development.
2. Usama I AL-Zubaidi, Ozgur Cinar, Deepak Adhikari, Rebecca Robker, John Carroll. Fertility and Sterility. 2019 Oct. doi.org/10.1016/j.fertnstert.2019.07.1385. The ubiquinone mitochondria-targeted antioxidant amends the effect of maternal age on oocyte spindle formation and developmental competence.
 3. Karla J Hutt, Shu Ly Lim, Qing-Hua Zhang, Maria Gonzalez, Anne E O'Connor, D Jo Merriner, Seng H Liew, Usama Al-Zubaidi, Wai Shan Yuen, Deepak Adhikari, Rebecca L Robker, Jeffrey R Mann, John Carroll, Moira K O'Bryan. Mol Hum Reprod. 2021 Sep. Volume 27, Issue 11, gaab061, doi.org/10.1093/molehr/gaab061. HENMT1 is involved in the maintenance of normal female fertility in the mouse.
 4. Usama AL-Zubaidi, Deepak Adhikari, Ozgur Cinar, Qing-Hua Zhang, Wai Shan Yuen, Michael P Murphy, Luk Rombauts, Rebecca L Robker, and John Carroll. Human Reproduction. 24 December 2020 Dec Vol.00, No.0, pp. 1-14. doi.org/10.1093/humrep/deaa300. Mitochondria-targeted therapeutics, MitoQ and BGP-15, reverse ageing-associated meiotic spindle defects in mouse and human oocytes.
 5. Usama Al-Zubaidi, Jun Liu, Ozgur Cinar, Rebecca L Robker, Deepak Adhikari, John Carroll. Mol Hum Reprod. 2019 Nov 30;25(11):695-705. doi: 10.1093/molehr/gaz055. The spatio-temporal dynamics of mitochondrial membrane potential during oocyte maturation.
 6. Al-zubaidi, U.I.M. and Fakhridi, M-B.M-R. Effects of Sildenafil citrate on the histological changes of the seminiferous tubules in mice. ALkufa uni. J. for biology 2009.
 7. Fakhridi, M-B.M-R. and Al-zubaidi, U.I.M. Influence of different concentrations of Sildenafil citrate treatment on mice spermatozoa parameters. Proceeding of the tenth veterinary scientific conference 2010.
 8. Fakhridi, M-B.M-R. and Al-zubaidi, U.I.M. Influence of different concentrations of Sildenafil citrate on histological parameters of mice epididymis. J. of biotechnology research center 2011.
 9. Al-zubaidi, U.I.M. and Fakhridi, M-B.M-R. Role of Sildenafil citrate (Viagra)® in *in vitro* sperm activation for asthenozoospermic patients. Baghdad uni. J. for biology 2012.
 10. Mohammad O.S., Al-Ani B.T., Al-Saadi R.R., and Al-zubaidi, U.I.M. Morphometric study of kidney and suprarenal gland development after super ovulation injection in mice. Iraqi J. of Embryos and Infertility Researches 2013.
 11. Fakhridi, M-B.M-R. and Al-zubaidi, U.I.M., Hussein Z.M. and Alsaadi, R. R. Role of alcoholic extract of Black Carrot in improvement of human sperm parameters during *in vitro* activation. Iraqi J. of Embryos and Infertility Researches 2013.

12. Al-zubaidi, U.I.M. Impact of Vinblastine Sulphate on sperm parameters and histological changes of the seminiferous tubules in mice. Iraqi J. of Embryos and Infertility Researches 2014.

Last Update: 1 Dec, 2022