

CURRICULUM VITAE

Full Name: **Islam Mohamed Saadeldin**, DVM, Ph.D.

Date of Birth: February 12, 1982

Place of Birth: Zagazig, Egypt

Current Address:

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Position Title: Assistant Professor



ACADEMIC BACKGROUND

- Doctor of Philosophy in Veterinary Medicine (Ph.D.), **Reproduction Physiology**, Seoul National University, South Korea, August 2012.
- Master degree in Veterinary Medical Sciences (MVSc), Physiology, Zagazig University, May 2007.
- DVM License from the Egyptian Ministry of Health, No. 31852, January 2004.
- Bachelor in Veterinary Medical Sciences (BVMSc) May 2003. Faculty of Veterinary Medicine. Zagazig University, Very Good Grade with degree of Honor.

FACULTY and RESEARCH APPOINTMENTS

- April 2016 – present: Assistant Professor, Dept. of Animal Production, College of Food and Agricultural Sciences, King Saud University, Riyadh 11451, **Saudi Arabia**.
- February 2013 - present: Joint Lecturer of Physiology, Department of Physiology, Faculty of Veterinary Medicine, Zagazig University, **Egypt**.
- November 2013 – July 2014: BK21-PLUS Post-Doctoral Fellow, Department of Theriogenology and Biotechnology, College of Veterinary Medicine, Seoul National University (SNU), **South Korea**. (BK21-PLUS: Brain Korea 21 Project for Leading Universities & Students)
- May 2013 - November 2013: Post-Doctoral Fellow, Department of Theriogenology and Biotechnology, College of Veterinary Medicine, Seoul National University (SNU), **South Korea**.
- September 2009 - August 2012: PhD degree from Department of Theriogenology and Biotechnology, College of Veterinary Medicine, Seoul National University (SNU), **South Korea**.

- May-August/2009: Visiting researcher at Department of Theriogenology and Biotechnology, College of Veterinary Medicine, Seoul National University (SNU), **South Korea**.
- April-July/2008: Visiting researcher at Department of Structural Pathology, Institute of Nephrology, Graduate School of Medical and Dental Sciences, Niigata University, **Japan**.
- 2007-2013: Assistant lecturer/Teaching assistant of Physiology, Department of Physiology, Faculty of Veterinary Medicine, Zagazig University, **Egypt**.
- 2004-2007: Instructor/Teaching assistant of Physiology, Department of Physiology, Faculty of Veterinary Medicine, Zagazig University, **Egypt**.

TEACHING EXPERIENCE

- Teaching the theoretical courses for Physiology subject for the first year students including; Cell Physiology, Central Nervous system, Autonomic Nervous System, Muscle Physiology, Respiration Physiology, Blood and Cardiovascular system.
- Teaching the theoretical courses for Physiology subject for the second year students including; Urinary system, Digestive system, Endocrinology, Reproductive system.
- Teaching the theoretical courses for Physiology subject for post-graduate students (Diploma, Master and PhD graduates) including; Acid-Base balance, Body fluids, Membrane Physiology and Cell Signaling.
- Teaching the practical courses for both undergraduates and postgraduates.

PUBLICATIONS

A- Patent of Invention:

“Method of transgenic bovine cloned embryos using piggybac transposition” at European patent Office, Filled #KR20130083311 (2013-07-22) and Granted #KR101552595 (2015-09-14); Lee BC, Jang G, K SJ, **Saadeldin IM**, Lee SJ, Lee WW, Kim BH, Choi WJ.

B- Thesis:

Islam M. Saadeldin (2012): Temporal interplay between the genes that control interferon *tau* in early *in vitro* fertilization- and nuclear transfer-derived bovine embryos, PhD in Veterinary Medicine from Seoul National University, **South Korea**.

Islam M. Saadeldin (2007): Effect of electromagnetic field on some physiological parameters in rats, Master in Veterinary Medical Sciences from Zagazig University, Zagazig University Press.

C- Peer-Reviewed papers in SCI and SCIE journals (Impact Factor-2015):

1. **Saadeldin IM**, Chandriani K, Kim SJ, Mooh JH, El-Maadly E, Lee BC. 2016 Blastocysts derivation from somatic cell fusion with premature oocytes (Prematuration somatic cell fusion).

Development, Growth and Differentiation 58 (2): 157-166, (IF: 2.47) (DOI: 10.1111/dgd.12264).

2. Hussein MH, Ali HA, **Saadeldin IM**, Ahmed MM. 2016 Quercetin Alleviates Zinc Oxide Nanoreprotoxicity in Male Albino Rats. **J Biochem Molecular Toxicology**. (IF:2.1) (DOI: 10.1002/jbt)
3. Abdelfattah-Hassan A, **Saadeldin IM**, Ghonimi W (2016): Optimization of the isolation process of putative bovine mammary stem cells. **The Japanese journal of veterinary research**, 64:S65-S71 (IF: 0.27)
4. **Saadeldin IM**, Oh HyunJu, Lee BC (2015): Embryonic-maternal crosstalk via exosomes: Potential implications (Opinion). **J Stem Cells & Cloning**, 8:103-107
5. Oh HJ, Kim GA, Rhee SH, Kim MJ, **Saadeldin IM**, Lee BC (2015): Age-dependent Alteration of Transgene Expression and Cytomegalovirus Promoter Methylation in Transgenic Cloned and Recloned Dogs. **Molecular Reproduction and Development** 82(5):330-331 (IF: 2.475) DOI 10.1002/mrd.22481
6. **Saadeldin IM**, Kim SJ, Lee BC (2015): Blastomere aggregation as an efficient alternative for trophoblast culture in porcine parthenotes. **Development, Growth and Differentiation** 57(5):362-368 (IF:2.47) (doi: 10.1111/dgd.12215)
7. Kim SJ, Moon JH, da Torre BR, **Saadeldin IM**, Lee BC, Jang G (2015): Oct4 overexpression Facilitates Proliferation of Porcine Fibroblasts and Development of Cloned Embryos. 23(5):704-711, **Zygote** (IF: 1.241) (DOI: <http://dx.doi.org/10.1017/S0967199414000355>).
8. **Saadeldin IM**, Kim SJ, Choi YB, Lee BC (2014): Improvement of cloned embryos development by co-culturing with parthenotes: a possible role of exosomes/microvesicles for embryos paracrine communication. **Cellular Reprogramming**. 16(3):223-234 (IF: 2.744) (doi:10.1089/cell.2014.0003).
9. Jung-Taek Kang, Joon Ho Moon, Ji-Yei Choi, Sol Ji Park, Su Jin Kim, **Islam M. Saadeldin**, Byeong Chun Lee (2016): Effect of antioxidant flavonoids (Quercetin and Taxifolin) on in vitro maturation of porcine oocytes. **Asian-Australasian J. Animal Science**, 29(3): 352-358 (IF: 0.77)(Doi: <http://dx.doi.org/10.5713/ajas.15.0341>).
10. **Saadeldin IM**, Oh HJ, Lee BC (2015): Improvement of cloned embryos development by co-culturing with parthenotes using microdrop culture system. **Cloning & Transgenesis** 4:e117. (doi: [10.4172/2168-9849.1000e117](https://doi.org/10.4172/2168-9849.1000e117)).
11. **Saadeldin IM** (2015): Cloning and its Applications (Editorial). **Cloning & Transgenesis**, 4:e118. (doi: [10.4172/2168-9849.1000e118](https://doi.org/10.4172/2168-9849.1000e118)).
12. **Saadeldin IM** (2015): Transgenesis through blastomeres transfection (Clinical image). **Cloning & Transgenesis**, 4:i103. (doi: [10.4172/2168-9849.1000i103](https://doi.org/10.4172/2168-9849.1000i103)).
13. **Saadeldin IM**, Kim SJ, Choi YB, Lee BC (2014): Post-maturation zona perforation improves porcine parthenogenetic trophoblast culture. **Placenta** 35(4):286-288 (IF: 3.117).
14. **Saadeldin IM**, Koo OJ, Kang JT, Kwon DK, Park SJ, Kim SJ, Moon JH, Oh HJ, Jang G, Lee BC (2012): Paradoxical effects of kisspeptin: it enhances oocytes in vitro maturation while it has an

adverse impact on hatched blastocysts during in vitro culture. **Reproduction, Fertility and Development** 24(5):656-668 (IF: 2.553).

15. **Saadeldin IM**, Kim BH, Lee BC and Jang G (2011): Effect of different culture media on the temporal gene expression in the bovine developing embryos. **Theriogenology** 75(6):995-1004 (IF: 2.045).

16. **Saadeldin IM**, Choi WJ, da Torre BR, Kim BH, Lee BC, Jang G (2012): Embryonic development and implantation related gene expression of reconstructed oocyte with bovine trophoblast cells. **Journal of Reproduction and Development** 58(4):425-431 (IF: 1.637).

17. Kim SJ*, **Saadeldin IM***, Lee SJ, Lee WW, Kim BH, Lee BC and Jang G (2011): Production of transgenic bovine cloned embryos using piggybac transposition. **J. Vet. Med. Sci.** 73(11): 1453–1457 (IF: 0.722) (***equally contributed 1st authors**).

18. Saadeldin **IM**, Ali MF, Hamada MZ, El-Badry AA (2011): Effects of exposure to 50 Hz, 1 Gauss magnetic field on reproductive traits in male albino rats. **Acta Vet Brno** 80(1):107-111 (IF: 0.534).

19. **Saadeldin IM**, Elsayed A. Kim SJ, Moon JH, Lee BC (2015): A spatial model showing differences between juxtacrine and paracrine mutual oocyte-granulosa cells interactions. **Ind. J. of Experimental Biology**. 53(2), 75-81 (IF: 0.75).

20. Kwon DK, **Saadeldin IM**, Koo OJ, Park SJ, Kang JT, Park HJ, Kim SJ, Moon JH, Jang G, and Lee BC (2014): Optimizing Electrical Activation of Porcine Oocytes by Adjusting Pre- and Post- Activation Mannitol Exposure Times. **Reprod Domest Anim** 49(6): 995-999 (IF: 1.117) (DOI: 10.1111/rda.12420).

21. Park JE, Kim MJ, Ha SK, Hong SG, Oh HJ, Kim GA, Park EJ, Kang JT, **Saadeldin IM**, Jang G, Lee BC (2012): Altered cell cycle gene expression and apoptosis in post-implantation dog parthenotes. **PloS one** 7(8):e41256. (IF: 3.5).

22. Moon JH, Kim SJ, Park HJ, Kang JT, Park SJ, Koo OJ, da Torre BR, **Saadeldin IM**, Lee BC, Jang G (2012): Production of porcine cloned embryos derived from conditionally exogenous gene expressing cells using Cre-loxP. **Zygote**. 20(4):423-425. (IF: 1.241).

23. Choi JY, Kang JT, Park SJ, Kim SJ, Moon JH, **Saadeldin IM**, Jang G, Lee BC (2013): Effect of 7,8-Dihydroxyflavone as an Antioxidant on In Vitro Maturation of Oocytes and Development of Parthenogenetic Embryos in Pigs. **J Reprod Develop**. 59(5):450-456 (IF: 1.637).

24. Kim SJ, Moon JH, da Torre BR, **Saadeldin IM**, Kang JT, Choi JY, Park SJ, Lee BC, Jang G (2013): DsRed gene expression by doxycycline in porcine fibroblasts and cloned embryo using transposon. **Afr J Biotechnology** 12(21): 3188-3190. (IF: 0.57).

25. Oh HJ, **Saadeldin IM**, Lee BC (2013): Toward A Transgenic Dog as a Human Disease Model. **J IVF Reprod Med Genet** 1: e102. (doi:10.4172/ jfiv.1000e102)

26. **Saadeldin IM**, Fadel MA, Hamada MZ and El-Badry AA (2008): Hazards from exposure to 50 Hz, 1 Gauss magnetic field on reproduction in male albino rats. **Egypt J Basic Appl Physiol**, 7(1): 85-97.

27. Magdeldin S, Ismail T, **Saadeldin I**, and Yamamoto T (2008): Dehydration- inducible changes on the genetic expression of aquaporin family in C57BL/6J mice. **Egypt J Basic Appl Physiol**, 7(S1): 35-51.

D- Peer-Reviewed Abstracts presented at International Conferences and cited in SCI journals

1. **Saadeldin IM**, Kim BH, da Torre BR, Jang G and Lee BC: Reprogramming of bovine trophectoderm karyoplast by nuclear transfer. 8th ERD day of Seoul national University, Seoul, Korea, November 5th, 2010. P94.
2. Kim BH, **Saadeldin IM**, Lee BC and Jang G: The synergic effect of nerve growth factor and vascular endothelial growth factor on in vitro maturation and developmental competence in bovine oocytes. 8th ERD day of Seoul national University, Seoul, Korea, November 5th, 2010. P100.
3. **Saadeldin IM**, Kim BH, da Torre BR, Koo OJ, Jang G and Lee BC: Isolation of bovine trophoblast and its reprogramming by nuclear transfer. The proceedings of 37th annual conference of IETS, Florida, USA, January 8-12, 2011 (Cited: *Reproduction, Fertility and Development*, 2011, 23:134-135) (PMID: 21367041).
4. Kim BH, **Saadeldin IM**, Lee BC and Jang G: The synergic effect of nerve growth factor and vascular endothelial growth factor on in vitro maturation and developmental competence in bovine oocytes. The proceedings of 37th annual conference of IETS, Florida, USA, January 8-12, 2011 (Cited: *Reproduction, Fertility and Development*, 2011, 23:169-170) (PMID: 21367114).
5. **Saadeldin IM**, Kim BH, da Torre BR, Koo OJ, Jang G and Lee BC: IVF- or NT-derived trophoblast culture: An easy model for revealing interferon tau epigenetics and transgenesis. The 2nd International Joint Workshop between the United Graduate School of Veterinary Sciences, Gifu University (UGSVS-GU) and College of Veterinary Medicine, Seoul National University (SNU), February 19-21, 2011. Shiba-Yayoi hotel, Tokyo, Japan.
6. **Saadeldin IM**, Koo OJ, Kang JT, Kwon DK, Park SJ, Kim SJ, Moon JH, Oh HJ, Jang G, and Lee BC: Kisspeptin enhances porcine oocyte in vitro maturation but may adversely affect early embryonic development. Poster presentation at the 44th SSR Annual Meeting, July 31 - August 4, 2011, in Portland, Oregon, USA (Cited; *Biology of Reproduction*, 2011, 85:434).
7. Kwon DK, Koo OJ, Park SJ, Kang JT, Park HJ, Kim SJ, Moon JH, **Saadeldin IM**, Jang G, and Lee BC: Optimizing porcine oocytes electrical activation by adjusting pre- and post-activation mannitol exposure time. Oral presentation at the 44th SSR Annual Meeting, July 31 - August 4, 2011, in Portland, Oregon, USA (Cited; *Biology of Reproduction*, 2011, 85:176).
8. Kang JT, Kwon DK, Park SJ, Kim SJ, Moon JH, **Saadeldin IM**, Koo OJ, Jang G, and Lee BC: Quercetin improves in vitro development of porcine oocytes by decreasing reactive oxygen species levels. Poster presentation at the 44th SSR Annual Meeting, July 31 - August 4, 2011, in Portland, Oregon, USA (Cited; *Biology of Reproduction*, 2011, 85:589).
9. Jang G, Kim SJ, **Saadeldin I**, Choi WJ, Lee SJ, Lee WW, Lee BC, Cho JK, Moon JH. Production of transgenic bovine cloned embryos using piggyBac transposition. Poster presentation at the 10th transgenic technology (TT) meeting, October 24-26, 2011, in TradeWinds Island Grand

Resort, St Pete Beach, Florida, USA. (Cited; *Transgenic Research*, 2011, 30:1176–1177).

10. **Saadeldin IM**, Elsayed A, Kang JT, Park SJ, Kim SJ, Moon JH, Jang G, Lee BC: Using of Porcine Granulosa Cells as Feeders for Porcine and Bovine Trophectoderm Cell Culture. The proceedings of the 38th annual conference of IETS, Arizona, USA, 2012 (Cited: *Reproduction, Fertility and Development*, 2012, 24:144).
11. Moon JH, Kim SJ, Park HJ, Kang JT, Park SJ, Koo OJ, da Torre BR, **Saadeldin IM**, Lee BC, Jang G: Production of porcine cloned embryos derived from conditionally exogenous gene expressing cells using Cre-loxP. The 11th international Symposium on Developmental Biotechnology, October 21-22, 2011 & The 9th day of Education, Research and Development (2010-ERD-day), Seoul National University, November 11, 2011, Seoul, Korea.
12. Kim SJ, **Saadeldin IM**, Lee SJ, Lee WW, Kim BH, Lee BC and Jang G: Production of transgenic bovine cloned embryos using piggybac transposition. The 3rd International Joint Workshop between the United Graduate School of Veterinary Sciences, Gifu University (UGSVS-GU) and College of Veterinary Medicine, Seoul National University (SNU), February 8-9, 2012, Lotte city hotel, Gimpo, Korea.
13. **Saadeldin IM**, Elsayed A, Jang G, Lee BC: Juxtacrine and paracrine mutual oocytes-granulosa cells interaction: a proposed model. Proceedings of the 17th International Congress on Animal Reproduction (ICAR2012), Vancouver, Canada; 29 July - 2 August 2012 (Cited; *Reproduction in Domestic Animals* 2012, 47; Suppl. 4:535).
14. Choi JY, Kang JT, Park SJ, Kim SJ, Moon JH, **Saadeldin IM**, Kim T, Jang G, Lee BC: 7,8-Dihydroxyflavone Improves In Vitro Development of Porcine Oocytes/Embryos by Decreasing Reactive Oxygen Species Levels. Poster presentation at the 45th SSR Annual Meeting, August 12-15, 2012, in The Pennsylvania State University, State College, Pennsylvania, USA.
15. Moon JH, Kim SJ, Kang JT, Park SJ, Choi JY, Lee JH, **Saadeldin IM**, Oh HJ, Park JE, Kim MJ, Kim GA, Park EJ, Choi J, Jang G, Lee BC: Effects of Porcine Seminal Plasma in In Vitro Culture of Embryos. (Cited: *Reproductive & Developmental Biology*, 2012, 36 (2-Supplement):106).
16. Moon JH, Kim SJ, Kang JT, Park SJ, Choi JY, Lee JH, **Saadeldin IM**, Oh HJ, Park JE, Kim MJ, Kim GA, Park EJ, Choi J, Jang G, Lee BC: Effects of Porcine Seminal Plasma in In Vitro Culture of Embryos. The proceedings of the 39th annual conference of IETS, Hannover, Germany, 2013 (Cited: *Reproduction, Fertility and Development*, 2013, 25:219).
17. Choi WJ, Lee SJ, Lee WW, Kim SJ, **Saadeldin IM**, Cho JK, Lee BC, Jang G: Implantation of transgenic bovine cloned embryos derived from transfected cells by piggybac transposition. The proceedings of the 39th annual conference of IETS, Hannover, Germany, 2013 (Cited: *Reproduction, Fertility and Development*, 2013, 25:173-174).
18. **Saadeldin IM**, Kim SJ, Choi YB, Lee BC. Improvement of cloned embryos development via co-culturing with parthenotes: a possible role of exosomes/microvesicles for embryos paracrine communication. In the proceeding of the Third International Meeting of ISEV 2014.

Rotterdam, The Netherlands, April 30th – May 3rd, 2014; Citation: Journal of Extracellular Vesicles 2014, 3: 24214 - <http://dx.doi.org/10.3402/jev.v3.24214>

19. **Saadeldin IM,** Kim SJ, Lee SH, Lee BC. Blastomeres aggregation is an efficient alternative for trophoblast stem cells culture of parthenogenetic porcine embryos. In the proceeding of Swine In biomedical Research 2014 International Conference, North Carolina State University, July 6-8, 2014, Raleigh, NC, USA.
20. **Saadeldin IM,** Moon JH, Kim SJ, Park EJ, Lee BC. Advantageous effects of porcine parthenogenetic embryos aggregation. In the proceeding of the [47th SSR Annual Meeting](#), July 19-23, 2014, Grand Rapids, Michigan, USA.
21. Candrani Khoirinaya, **Saadeldin IM,** SuJin Kim, SangHoon Lee, HyunJu Oh, ByeongChun Lee. Electro-osmotic parthenogenetic activation of porcine oocyte. Asia Life Sciences 2014 The Inaugural Asian Conference on the Life Sciences and Sustainability August 27th to 29th, 2014 KKR Hotel Hiroshima, Japan <http://www.esdfocus.org/life-sciences-conference/>
22. **Saadeldin IM,** Khoirinaya C, Lee S, Oh H, Lee BC. Blastocysts derivation after somatic cell fusion with premature oocytes. The 22nd World Congress of Controversies in Obstetrics, Gynecology and Infertility (COGI22), 17-19th September, 2015. Budapest, Hungary.

GRANT & SCHOLARSHIP AWARDS

- 2014: Brain Korea for 21st century (BK21-PLUS) Post-Doctoral fellowship for 1 year (June 2014), Seoul National University, Korea.
- 2013: Brain Korea for 21st century (BK21-PLUS) Post-Doctoral fellowship for 6 months (November 2013-May 2014), Seoul National University, Korea.
- 2013: Post-Doctoral fellowship for 6 months (May-November, 2013), Seoul National University, Korea.
- 2009: Brain Korea for 21st century (BK21) grant, 3-year promotion for SNU veterinary PhD students, SNU, Korea.
- 2008: Merit Scholarship Programme for High Technology (MSP) year/2007-2008, from the Islamic Development Bank (IDB), Jeddah, Saudi Arabia. To obtain Ph.D. from Seoul National University (SNU), Seoul, Korea.
- 2007: ParOwn research cycle 0607, from the Minster of Higher Education and Scientific Research (MHESR), Egypt, entitled "*training on Physiology, Pathology and Proteomics of Aquaporins*" Principal researcher at Institute of Nephrology, Graduate School of Medical and Dental Sciences, Niigata University, Japan (Supervised by Prof. Tadashi Yamamoto).

HONORS

- 2014: Misr Elkheir foundation award for international publishing in high impact journals.

- 2012 and 2014: “Who’s who in the world, 2013 and 2015”, respectively.
- 2012, 2013 and 2014: Zagazig University award for international publishing “The excellence date of ZU”.
- 2013: One from the “2000 outstanding intellectuals of the 21st century, 2013” International Biographical centre, the Great Britain.
- 2013: One from the “Leading Educators of the World, 2013” International Biographical centre, the Great Britain.
- 2004: Honor of Veterinary Syndicate, Zagazig, Egypt, for graduates’ scientific excellence.
- 2001 and 2002: Awards of Faculty of Veterinary Medicine, Zagazig University, for the undergraduates’ scientific excellence.

ACQUIRED RESEARCH SKILLS AND EXPERIENCE

(Gained from working in labs in Korea, Japan and Egypt in the period from, 2004-till now)

- Expert in Veterinary Biotechnology
- Proteomics and Bioinformatics.
- Trophoblast stem cell-related techniques; culture, isolation and microinjection.
- Improving Embryo production and Assisted Reproductive Biotechnology (*in vitro* maturation (IVM) of oocytes, parthenogenesis, Somatic Cell Nuclear Transfer (Animal cloning), Transgenesis, Gene Regulation, In Vitro Fertilization, Embryo Culture Techniques, Embryo Biotechnology, Implantation, Reproduction Biology, Semen Evaluation, Hormonal Analysis, Assisted hatching, Reproductive Endocrinology, Micromanipulation and Cryopreservation.
- Molecular biological techniques (Genomic DNA and total RNA isolation, RT-PCR, real-time RT-PCR, cell culture, gene cloning, bacterial transformation, cell transfection,).
- ELISA, Immunohistochemistry and Immunofluorescent techniques.
- Karyotyping and cytogenetic analysis.
- Gynaecological and Andrological procedures (estrous detection, estrous synchronization, semen analysis, Reproductive endocrinology reports ...).
- Hematology reports (CBC, Hemostasis assay, immunity ...).
- **Reviewer to evaluate SCI journal papers such as JVS, JVMS, AJB, AJPPR, Res Rep Biol and JAAUBAS.**

MEMBERSHIPS IN THE SCIENTIFIC SOCIETIES

- Editorial Board member at Journal Cloning & Transgenesis.
- Society of Physiological Sciences and their Applications (SPSA) Egypt.
- Egyptian Veterinary Surgeons Syndicate.
- Veterinary Sciences Society (VSS) of Zagazig University.

TRAINING COURSES and WORKSHOPS

- Faculty leaderships and staff training courses (from 2006-2012); (Interactive communication skills, Effective presentation, University Laws, Preparation of University teachers, Macro teaching, Micro teaching, Ethics of scientific research, management of meetings and conferences, the international publishing and management of the time), Faculty Leadership and Development Center (FLDC), Zagazig University.
- Computer and Information technology (IT) training courses; at Department of Computer Science, Faculty of Science, Zagazig University.
- Quality assurance training courses; at the Quality assurance Unit, Faculty of Veterinary Medicine, Zagazig University.
- Environmental and Laboratory Safety, College of Social Sciences, Seoul National University, August 25-26, 2009.
- Implementation Principles of Saemaulundong for Rural Development and International Cooperation Projects, Saemaulundong Central Training Institute, Kyonggi-do, Korea, November 28-29, 2009.
- Professional Trainer in the workshop "principles and applications of real-time PCR", Kafr Elsheikh University, Egypt. October, 2012.
- Professional Trainer in the workshop "International publication in peer-reviewed journals", Zagazig University, Egypt, March 2015
- Professional Trainer in the workshop "Transgenesis and Gene transfer to the Tilapia eggs", Alexandria University, Egypt, August 2015
- Professional Trainer in the workshop "Animal genomics and embryo technology workshop", National Research Center, Giza, Egypt, December 2016
- Joint workshop (Encapsulation for xeno-transplantation) between Pohang University of Science and Technology (POSTECH) and College of Veterinary Medicine, Seoul National University, June 3-4, 2010, HanWha resort, Busan, Korea.
- The 8th ERD day of Seoul national University, Seoul, Korea, November 5th, 2010. P94.
- Workshop (Adipose mesenchymal-derived stem cells: horizons in treatment of female infertility), BK21 program, College of Veterinary Medicine, Seoul National University, August 3rd, 2010, Seoul, Korea.
- Workshop (Solid freeform fabrication "SFF" technology and its bio-applications; Xenotransplantation), BK21 program, College of Veterinary Medicine, Seoul National University, September 17th, 2010. Seoul, Korea.
- The proceedings of 37th annual conference of IETS, Florida, USA, January 8-12, 2011.
- **The 2nd International Joint Workshop** between the United Graduate School of Veterinary Sciences, Gifu University (UGSVS-GU) and College of Veterinary Medicine, Seoul National University (SNU), February 19-21, 2011. Shiba-Yayoi hotel, Tokyo, Japan.
- The 44th SSR Annual Meeting, July 31 - August 4, 2011, in Portland, Oregon, USA.
- The 10th transgenic technology (TT2011) meeting, October 24-26, 2011, in TradeWinds Island Grand Resort, St Pete Beach, Florida, USA.

- The proceedings of the 38th annual conference of IETS, Arizona, USA, 2012.
- The 11th international Symposium on Developmental Biotechnology, October 21-22, 2011 & The 9th day of Education, Research and Development (**2010-ERD-day**), Seoul National University, November 11, 2011, Seoul, Korea.
- **The 3rd International Joint Workshop** between the United Graduate School of Veterinary Sciences, Gifu University (UGSVS-GU) and College of Veterinary Medicine, Seoul National University (SNU), February 8-9, 2012, Lotte city hotel, Gimpo, Korea.
- The Proceedings of the 17th International Congress on Animal Reproduction (ICAR2012), Vancouver, Canada; 29 July - 2 August 2012 (Cited; Reproduction in Domestic Animals 2012, 47; Suppl. 4:535).
- The 45th SSR Annual Meeting, August 12-15, 2012, in The Pennsylvania State University, State College, Pennsylvania, USA.
- The proceedings of the 39th annual conference of IETS, January 2013, Hannover, Germany,
- The proceeding of the Third International Meeting of ISEV 2014. Rotterdam, The Netherlands, April 30th – May 3rd, 2014.
- The [47th SSR Annual Meeting](#), July 19-23, 2014, Grand Rapids, Michigan, USA.
- Asia Life Sciences 2014 The Inaugural Asian Conference on the Life Sciences and Sustainability August 27th to 29th, 2014 KKR Hotel Hiroshima, Japan

REFEREES

- 1- Byeong Chun Lee: Professor and Head, Department of Theriogenology/Biotechnology, College of Veterinary Medicine, Seoul National University, South Korea, E.mail; bclee@snu.ac.kr
- 2- Tadashi Yamamoto, Director and Professor, Department of Structural Pathology, Institute of Nephrology, Graduate School of Medical and Dental sciences, Niigata University, Japan, E-mail; tdsymmt@med.niigata-u.ac.jp
- 3- Adel Elbadry, Emeritus Professor of Physiology, Faculty of Veterinary Medicine, Zagazig University, Egypt. E-mail; adelaelbadry@gmail.com
- 4- Fadel M. Ali, Emeritus Professor of Medical Biophysics, Faculty of Science, Cairo University, Egypt. E.mail; fadel_mali@yahoo.com