

CURRICULUM VITAE (2009)



Family Name: **Ostadosseini**

Given Name: **Somayyeh**

Date of Birth: 1983

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EMPLOYMENT

Royan Ins. Isfahan campus, Iran.
Research staff of the Cloning lab (2007)

EDUCATION

- D.V.M. School of Veterinary Medicine, Shahrekord, Iran. 2001-2007

ACADEMIC BACKGROUND

D.V.M Thesis:

In vitro developmental competence of ICSI-derived activated ovine embryos.

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PROJECTS & RESEARCHES

- Birth of the first IVF sheep in Iran, Department of Research Institute of Animal Embryo Technology, Shahrekord, Iran (2006)
- Birth of the first interspecies hybrids of wild (*Ovis orientalis isphahanica*) and domestic (*Ovis aries*) sheep and deriving two fertile generations of them in Iran, Department of Embryology, Royan Institute, Isfahan Campus, Isfahan, Iran (2007)
- In vitro production of cloned cattle embryo, Department of Embryology, Royan Institute, Isfahan Campus, Isfahan, Iran (2007)
- Birth of the first IVF-ET bovine in Iran (alive as nick-named Bovana), Department of Embryology, Royan Institute, Isfahan Campus, Isfahan, Iran (2008)
- In vitro production of zona free cloned transgenic bovine embryo, Department of Embryology, Royan Institute, Isfahan Campus, Isfahan, Iran (2008)
- In vitro production of zona free cloned goat embryo, Department of Embryology, Royan Institute, Isfahan Campus, Isfahan, Iran (2008)

- Birth of the first IVF-ET goat in Iran, Department of Embryology, Royan Institute, Isfahan Campus, Isfahan, Iran (2009)
- Birth of the first cloned calf in Iran (as nick-named Bonyana), Department of Embryology, Royan Institute, Isfahan Campus, Isfahan, Iran (2009)
- Birth of the second cloned calf in Iran, (as nick-named Tamina), Department of Embryology, Royan Institute, Isfahan Campus, Isfahan, Iran (2009)
- Birth of the first cloned goat in Iran (alive as nick-named Hana), Department of Embryology, Royan Institute, Isfahan Campus, Isfahan, Iran (2009)
- Birth of the first cloned interspecies wild sheep with ovine oocyte and wild sheep somatic cell (*Ovis orientalis isphahanica*) in Iran. Department of Embryology, Royan Institute, Isfahan Campus, Isfahan, Iran (2009)
- Birth of the first transgenic cloned goat in Iran (alive as nick-named Shefa), Department of Embryology, Royan Institute, Isfahan Campus, Isfahan, Iran (2010)

COMPUTER SKILLS

- Word, SPSS, Power point, Excel, ...

EDUCATIONAL COURSES

- Holding workshop in "cloning in sheep", Department of research institute of animal embryo technology, Shahrekord, Iran (2007)
- Holding workshop in "Zona free nuclear transfer" Royan Institute, Isfahan Campus, Isfahan, Iran (2008)

PUBLICATION

1. Highly Efficient In Vitro Production of Bovine Blastocyst in Cell-Free Sequential Synthetic Oviductal Fluid vs. TCM199 Vero Cell Co-Culture System. S. M. Hosseini, F. Moulavi, M. Hajian, P. Abedi, M. Forouzanfar, **S. Ostad Hosseini**, L. Hosseini, A. Pirestani, H. Ghasemzadeh Nava, P. Tajik, A.H. Shahverdi, M. H. Nasr-Esfahani, *International Journal of Fertility and Sterility* Vol 2, No 2, *Aug-Sep 2008*, : 66-73.
2. In vitro developmental competence of ICSI-derived activated ovine embryos. Shirazi A, **Ostad-Hosseini S**, Ahmadi E, Heidari B, Shams-Esfandabadi N. *Theriogenology*. 2009 15;71(2):342-8.
3. Antioxidant supplementation of culture medium during embryo development and/or after vitrification-warming; which is the most important? S. M. Hosseini , M. Forouzanfar , M. Hajian , V. Asgari , P. Abedi ,L. Hosseini , **S. Ostadhosseini** , F. Moulavi , M. Safahani Langrroodi , H. Sadeghi , H. Bahramian , Sh. Eghbalsaied , Mohammad H. Nasr-Esfahani. *J Assist Reprod Genet*, 18 May 2009.

4. In Vitro Comparison of Soybean Lecithin Based-Extender with Commercially Available Extender for Ram Semen Cryopreservation. Mohsen Sharafi, Mohsen Forouzanfar, Sayed Morteza Hosseini, Mehdi Hajian, **Somaye Ostadhosseini**, Laleh Hosseini, Parvaneh Abedi, Nafiseh Nili, Hamid Reza Rahmani, Ahmad reza Javaheri, Mohammad Hossein Nasr Esfahani. *International Journal of Fertility and Sterility Vol 3, No 3, Nov-Dec 2009, Pages: 149-152.*
5. In Vitro Development of Cattle Embryo as Affected by Glucose, Serum and EDTA .Pirestani A., Hossieni SM., Moulavi F., Hajian M., Abedi P., Fourozanfar M., **Ostadhossieni S.**, Hossieni L., Ghasemzadehnavah H., Tajik P., Nasr Esfahani M.H., *Journal of Iranian Anatomical Sciences, Vol 7, Summer 2009, Pages 11- 23.*
6. In vitro comparison of egg yolk-based and soybean lecithin-based extenders for cryopreservation of ram semen. M. Forouzanfar, M.Sharafi, S.M. Hosseini, **S. Ostadhosseini**, M. Hajian, L. Hosseini, P. Abedi, N. Nili, H.R. Rahmani, M.H. Nasr-Esfahani. *Theriogenology 73 (2010) 480–487.*
7. Sperm Status and DNA Dose Play Key Roles in Sperm/ICSI-Mediated Gene Transfer in Caprine. FARSHAD SHADANLOO, MOHAMMAD HASAN NAJAFI, SAYED MORTEZA HOSSEINI, MEHDI HAJIAN, MOHSEN FOROUZANFAR, KAMRAN GHAEDI, PARVANEH ABEDI, **SOMAYE OSTADHOSSEINI**, LALEH HOSSEINI, MORAD-PASHA ESKANDARI-NASAB, AND MOHAMMAD HOSSEIN NASR ESFAHANI. *Mol. Reprod. Dev. 2010.*
8. Time dependent effect of post warming interval on microtubule organization, meiotic status, and parthenogenetic activation of vitrified in vitro matured sheep oocytes V. Asgari, S.M. Hosseini, **S. Ostadhosseini**, M. Hajian, M.H. Nasr-Esfahani. *Theriogenology (2010).*
9. Developmental Competence and Pluripotency Gene Expression of Cattle Cloned Embryos Derived from Donor Cells Treated with 5-aza-2'-deoxycytidine. Farnoosh Jafarpour, Sayed Morteza Hosseini, Mahdi Hajian, Mohsen Forouzanfar, Parvaneh Abedi, Laleh Hosseini, **Somaye Ostadhosseini**, Soghra Gholami, Mohammad Hossein Nasr Esfahani. *International Journal of Fertility and Sterility Vol 4, No 4, Jan-Mar 2011, Pages: 148-155.*
10. Effect of culture condition and cell-permeable superoxide dismutase on levels of reactive oxygen species (ROS) production in “in vitro” produced sheep embryos. **S. Ostad Hosseini**, F.Aghaei, S.M. Hosseini, M. Hajian, M. Forouzanfar, M. Noorbakhshnia, H. Gourabi, A.H. Shahverdi, A. Vosough Taghi Dizaj M.H. Nasr-Esfahani. *Small Ruminant Research Volume 97, Issues 1-3, May 2011, Pages 88-93.*
11. Development of an Optimized Zona-Free Method of Somatic Cell Nuclear Transfer in the Goat. Mohammad H. Nasr-Esfahani, Morteza S. Hosseini, Mahdi Hajian, M. Forouzanfar, **S. Ostadhosseini**, P. Abedi, Y. Khazaie, K. Dormiani, K. Ghaedi, M. Forouzanfar, H. Gourabi, A. H. Shahverdi, A. D. Vosough, H. Vojgani. *CELLULAR REPROGRAMMING Volume 13, Number 00, 2011.*

12. "Conser vation cloning " of vulnerable Esfaha n mouflon (Ovis orientalis isphaha nica): in vitro and in vivo studies. M. Hajian, S.M. Hosseini, M. Forouzanfar, P. Abedi, **S. Ostadhosseini**, L. Hosseini, F. Moulavi, H. Gourabi, A. H. Shahverdi, A. Vosough Taghi Dizaj, S. A. Kalantari, Z. Fotouhi, R. Iranpour, H. Mahyar, A. Am iri-Yekta, M. H. Nasr-Esfahani. Eur J Wildl Res, 28 January 2011.
13. Effect of Culture System on Developmental Competence, Cryosurvival and DNA-Fragmentation of In Vitro Bovine Blastocysts. Mahdi Hajian, Seyed Morteza Hosseini, Vajiheh Asgari, **Somayyeh Ostadhosseini**, Mohsen Forouzanfar, Mohammad Hossein Nasr Esfahani. International Journal of Fertility and Sterility Vol 5, No 1, Apr-Jun 2011, Pages: 21-26.
14. Improved in vitro development of cloned bovine embryos using S- adenosylhomocysteine, a non-toxic epigenetic modifying reagent. Jafari S, Hosseini MS, Hajian M, Forouzanfar M, Jafarpour F, Abedi P, **Ostadhosseini S**, Abbasi H, Gourabi H, Shahverdi AH, Dizaj AV, Anjomshoaa M, Haron W, Noorshariza N, Yakub H, Nasr-Esfahani MH. Mol Reprod Dev. 2011 Jun 2.
15. In vitro developmental competence of ICSI-derived activated ovine embryos. Shirazi A, **Ostad-Hosseini S**, Ahmadi E, Heidari B, Shams-Esfandabadi N. Theriogenology. 2009 15;71(2):342-8.