

قابل توجه دانشجویان رشته ژنتیک

دانشجویانیکه واحد سمینار ۱ و ۲ واحد تحقیق و تحقیق و تتبع را با دکتر مقصودی انتخاب نموده اند.

۱. لطفا بعد از انتخاب نمودن دو مقاله آنها رابه آدرس من ایمیل نمایید تا به نام شما ثبت شود و برای دانشجوی دیگر منظور نگردد.

۲. مقاله های مورد نظر بعد از ترجمه در قالب فرمت پایان نامه تایپ شود و در فرمت

Word

همراه با اصل مقاله به آزمایشگاه بیوتکنولوژی تحويل دهد

۳. برای دانلود نمودن مقاله ها به سایت ذیل مراجعه نمایید.

www.ncbi.nlm.nih.gov/punMed

۴. زمان ارائه مقاله بعد اعلام خواهد شد.

خدای رحمن نوید میلاد سال نو را بر دوش نسیم بهاری گذاشت تا این امانت سبز را به رسم آغاز به خالق سپارد. پیش‌پیش حلول سال نو و تولد دوباره طبیعت، عید فرخنده و کهن نوروز باستانی را که یادگار نیاکان و پیام‌آور دوستی، عشق و محبت، با لطافت گیاه و خرمی طبیعت، و تحول به مراحل نیکوتر و برتر است را به تمامی دانشجویان گرامی تبریک عرض نموده.

دکتر حسین مقصودی

۹۳ اسفند ماه سال ۲۵

1: Coticchio G, Dal Canto M, Mignini Renzini M, Guglielmo MC, Brambillasca F, Turchi D, Novara PV, Fadini R. Oocyte maturation: gamete-somatic cells interactions, meiotic resumption, cytoskeletal dynamics and cytoplasmic reorganization. *Hum Reprod Update*. 2015 Mar 4. pii: dmv011. [Epub ahead of print] Review. PubMed PMID: 25744083.

2: Brezina PR, Kutteh WH. Clinical applications of preimplantation genetic testing. *BMJ*. 2015 Feb 19;350:g7611. doi: 10.1136/bmj.g7611. Review. PubMed PMID: 25697663.

3: Garrido-Gimenez C, Alijotas-Reig J. Recurrent miscarriage: causes, evaluation and management. *Postgrad Med J*. 2015 Mar;91(1073):151-162. doi: 10.1136/postgradmedj-2014-132672. Epub 2015 Feb 13. Review. PubMed PMID: 25681385.

4: Hyde KJ, Schust DJ. Genetic Considerations in Recurrent Pregnancy Loss. *Cold Spring Harb Perspect Med*. 2015 Feb 6;5(3). pii: a023119. doi: 10.1101/cshperspect.a023119. Review. PubMed PMID: 25659378.

5: Simopoulou M, Asimakopoulos B, Bakas P, Boyadjiev N, Tzanakaki D, Creatsas G. Oocyte and embryo vitrification in the IVF laboratory: a comprehensive review. *Folia Med (Plovdiv)*. 2014 Jul-Sep;56(3):161-9. Review. PubMed PMID: 25434072.

6: Ma X, Zhang S, Yang S, Wang X, Zhu Y, Li Z, Luan W. [The roles of maternal-effect proteins in the maintenance of genomic imprints]. *Yi Chuan*. 2014 Oct;36(10):959-64. doi: 10.3724/SP.J.1005.2014.0959. Review. Chinese. PubMed PMID: 25406243.

7: Taher L, Pfeiffer MJ, Fuellen G. Bioinformatics approaches to single-blastomere transcriptomics. *Mol Hum Reprod*. 2015 Feb;21(2):115-125. Epub 2014 Sep 19. Review. PubMed PMID: 25239944.

8: Abul-Husn NS, Owusu Obeng A, Sanderson SC, Gottesman O, Scott SA. Implementation and utilization of genetic testing in personalized medicine. *Pharmacogenomics Pers Med*. 2014 Aug 13;7:227-40. doi: 10.2147/PGPM.S48887. eCollection 2014. Review. PubMed PMID: 25206309; PubMed Central PMCID: PMC4157398.

9: Sozen B, Can A, Demir N. Cell fate regulation during preimplantation development: a view of adhesion-linked molecular interactions. *Dev Biol*. 2014 Nov 1;395(1):73-83. doi: 10.1016/j.ydbio.2014.08.028. Epub 2014 Aug 29. Review. PubMed PMID: 25176042.

10: Kőrösi T, Török O, Vajta G. [Update on preimplantation genetic diagnosis and screening]. *Orv Hetil*. 2014 Aug 31;155(35):1375-82. doi: 10.1556/OH.2014.29964. Review. Hungarian. PubMed PMID: 25161052.

11: Hu C, Wang L, Le F, Jin F. [Influence of assisted reproduction technologies on genomic imprinting of embryos and offspring]. *Zhonghua Yi Xue Za Zhi*. 2014 Aug;31(4):462-5. doi: 10.3760/cma.j.issn.1003-9406.2014.04.010. Review. Chinese. PubMed PMID: 25119910.

12: Hartung EA, Guay-Woodford LM. Autosomal recessive polycystic kidney disease: a hepatorenal fibrocystic disorder with pleiotropic effects. *Pediatrics*. 2014 Sep;134(3):e833-45. doi: 10.1542/peds.2013-3646. Epub 2014 Aug 11. Review. PubMed PMID: 25113295; PubMed Central PMCID: PMC4143997.

13: Lin H, Duan JL. [Recurrent implantation failure: gamete and embryo factors]. *Zhonghua Nan Ke Xue*. 2014 Jun;20(6):544-7. Review. Chinese. PubMed PMID: 25029863.

14: Tanaka S, Nakanishi MO, Shiota K. DNA methylation and its role in the trophoblast cell lineage. *Int J Dev Biol*. 2014;58(2-4):231-8. doi: 10.1387/ijdb.140053st. Review. PubMed PMID: 25023689.

15: Wapner RJ, Levy B. The impact of new genomic technologies in reproductive medicine. *Discov Med*. 2014 Jun;17(96):313-8. Review. PubMed PMID: 24979251.

16: Tarín JJ, García-Pérez MA, Hermenegildo C, Cano A. Changes in sex ratio from fertilization to birth in assisted-reproductive-treatment cycles. *Reprod Biol Endocrinol*. 2014 Jun 23;12:56. doi: 10.1186/1477-7827-12-56. Review. PubMed PMID: 24957129; PubMed Central PMCID: PMC4079184.

17: Zeyneloglu HB, Onalan G. Remedies for recurrent implantation failure. *Semin Reprod Med*. 2014 Jul;32(4):297-305. doi: 10.1055/s-0034-1375182. Epub 2014 Jun

11. Review. PubMed PMID: 24919029.
- 18: Brison DR, Sturmey RG, Leese HJ. Metabolic heterogeneity during preimplantation development: the missing link? *Hum Reprod Update*. 2014 Sep-Oct;20(5):632-40. doi: 10.1093/humupd/dmu018. Epub 2014 May 2. Review. PubMed PMID: 24795173.
- 19: Milachich T. New advances of preimplantation and prenatal genetic screening and noninvasive testing as a potential predictor of health status of babies. *Biomed Res Int*. 2014;2014:306505. doi: 10.1155/2014/306505. Epub 2014 Mar 24. Review. PubMed PMID: 24783200; PubMed Central PMCID: PMC3982254.
- 20: Messerschmidt DM, Knowles BB, Solter D. DNA methylation dynamics during epigenetic reprogramming in the germline and preimplantation embryos. *Genes Dev*. 2014 Apr 15;28(8):812-28. doi: 10.1101/gad.234294.113. Review. PubMed PMID: 24736841; PubMed Central PMCID: PMC4003274.
- 21: De Paepe C, Krivega M, Cauffman G, Geens M, Van de Velde H. Totipotency and lineage segregation in the human embryo. *Mol Hum Reprod*. 2014 Jul;20(7):599-618. doi: 10.1093/molehr/gau027. Epub 2014 Apr 3. Review. PubMed PMID: 24699365.
- 22: Cabry R, Merviel P, Hazout A, Belloc S, Dalleac A, Copin H, Benkhalifa M. Management of infertility in women over 40. *Maturitas*. 2014 May;78(1):17-21. doi: 10.1016/j.maturitas.2014.02.014. Epub 2014 Mar 5. Review. PubMed PMID: 24679892.
- 23: Taylor TH, Gitlin SA, Patrick JL, Crain JL, Wilson JM, Griffin DK. The origin, mechanisms, incidence and clinical consequences of chromosomal mosaicism in humans. *Hum Reprod Update*. 2014 Jul-Aug;20(4):571-81. doi: 10.1093/humupd/dmu016. Epub 2014 Mar 25. Review. PubMed PMID: 24667481.
- 24: Gleicher N, Kushnir VA, Barad DH. Preimplantation genetic screening (PGS) still in search of a clinical application: a systematic review. *Reprod Biol Endocrinol*. 2014 Mar 15;12:22. doi: 10.1186/1477-7827-12-22. Review. PubMed PMID: 24628895; PubMed Central PMCID: PMC3986466.
- 25: Wong KM, Repping S, Mastenbroek S. Limitations of embryo selection methods. *Semin Reprod Med*. 2014 Mar;32(2):127-33. doi: 10.1055/s-0033-1363554. Epub 2014 Feb 10. Review. PubMed PMID: 24515907.
- 26: Abeyta M, Behr B. Morphological assessment of embryo viability. *Semin Reprod Med*. 2014 Mar;32(2):114-26. doi: 10.1055/s-0033-1363553. Epub 2014 Feb 10. Review. PubMed PMID: 24515906.
- 27: Berger VK, Baker VL. Preimplantation diagnosis for single gene disorders. *Semin Reprod Med*. 2014 Mar;32(2):107-13. doi: 10.1055/s-0033-1363552. Epub 2014 Feb 10. Review. PubMed PMID: 24515905.
- 28: Kaser DJ, Ginsburg ES. Embryo biopsy for aneuploidy detection in the general infertility population. *Semin Reprod Med*. 2014 Mar;32(2):100-6. doi: 10.1055/s-0033-1363551. Epub 2014 Feb 10. Review. PubMed PMID: 24515904.

- 29: Shahine LK, Lathi RB. Embryo selection with preimplantation chromosomal screening in patients with recurrent pregnancy loss. *Semin Reprod Med.* 2014 Mar;32(2):93-9. doi: 10.1055/s-0033-1363550. Epub 2014 Feb 10. Review. PubMed PMID: 24515903.
- 30: Uflacker A, Doraiswamy PM, Rechitsky S, See T, Geschwind M, Tur-Kaspa I. Preimplantation genetic diagnosis (PGD) for genetic prion disorder due to F198S mutation in the PRNP gene. *JAMA Neurol.* 2014 Apr;71(4):484-6. doi: 10.1001/jamaneurol.2013.5884. Review. PubMed PMID: 24493558; PubMed Central PMCID: PMC4349573.
- 31: Brezina PR, Kearns WG. The evolving role of genetics in reproductive medicine. *Obstet Gynecol Clin North Am.* 2014 Mar;41(1):41-55. doi: 10.1016/j.ogc.2013.10.006. Epub 2013 Dec 10. Review. PubMed PMID: 24491983.
- 32: Gatinois V, Puechberty J, Lefort G, Geneviève D, Pellestor F. [Complex chromosomal rearrangements: a paradigm for the study of chromosomal instability]. *Med Sci (Paris).* 2014 Jan;30(1):55-63. doi: 10.1051/medsci/20143001014. Epub 2014 Jan 24. Review. French. PubMed PMID: 24472460.
- 33: Brezina PR. Preimplantation genetic testing in the 21st century: uncharted territory. *Clin Med Insights Reprod Health.* 2013 Feb 10;7:17-21. doi: 10.4137/CMRH.S10914. eCollection 2013 Feb 10. Review. PubMed PMID: 24453515; PubMed Central PMCID: PMC3888077.
- 34: Amato P, Tachibana M, Sparman M, Mitalipov S. Three-parent in vitro fertilization: gene replacement for the prevention of inherited mitochondrial diseases. *Fertil Steril.* 2014 Jan;101(1):31-5. doi: 10.1016/j.fertnstert.2013.11.030. Review. PubMed PMID: 24382342; PubMed Central PMCID: PMC4005382.
- 35: Rosenbusch B. The chromosomal constitution of embryos arising from monopronuclear oocytes in programmes of assisted reproduction. *Int J Reprod Med.* 2014;2014:418198. doi: 10.1155/2014/418198. Epub 2014 May 6. Review. PubMed PMID: 25763399.
- 36: Franasiak JM, Forman EJ, Hong KH, Werner MD, Upham KM, Treff NR, Scott RT Jr. The nature of aneuploidy with increasing age of the female partner: a review of 15,169 consecutive trophectoderm biopsies evaluated with comprehensive chromosomal screening. *Fertil Steril.* 2014 Mar;101(3):656-663.e1. doi: 10.1016/j.fertnstert.2013.11.004. Epub 2013 Dec 17. Review. PubMed PMID: 24355045.
- 37: Babkina N, Graham JM Jr. New genetic testing in prenatal diagnosis. *Semin Fetal Neonatal Med.* 2014 Jun;19(3):214-9. doi: 10.1016/j.siny.2013.10.005. Epub 2013 Dec 4. Review. PubMed PMID: 24315623.
- 38: Ip HW, So CC. Diagnosis and prevention of thalassemia. *Crit Rev Clin Lab Sci.* 2013 Nov;50(6):125-41. doi: 10.3109/10408363.2013.847236. Review. PubMed PMID: 24295057.
- 39: Zhan QT, Pan PP, Xu XR, Lou HY, Lou YY, Jin F. An overview of studies on psychological well-being in children born following assisted reproductive

technologies. *J Zhejiang Univ Sci B*. 2013 Nov;14(11):947-60. doi: 10.1631/jzus.B1300101. Review. PubMed PMID: 24190441; PubMed Central PMCID: PMC3829644.

40: Bordelon YM. Clinical neurogenetics: huntington disease. *Neurol Clin*. 2013 Nov;31(4):1085-94. doi: 10.1016/j.ncl.2013.05.004. Epub 2013 Jul 18. Review. PubMed PMID: 24176425.

41: Beaujean N. Histone post-translational modifications in preimplantation mouse embryos and their role in nuclear architecture. *Mol Reprod Dev*. 2014 Feb;81(2):100-12. doi: 10.1002/mrd.22268. Epub 2013 Dec 10. Review. PubMed PMID: 24150914.

42: Franklin S. Conception through a looking glass: the paradox of IVF. *Reprod Biomed Online*. 2013 Dec;27(6):747-55. doi: 10.1016/j.rbmo.2013.08.010. Epub 2013 Sep 12. Review. PubMed PMID: 24139598.

43: Smeets HJ. Preventing the transmission of mitochondrial DNA disorders: selecting the good guys or kicking out the bad guys. *Reprod Biomed Online*. 2013 Dec;27(6):599-610. doi: 10.1016/j.rbmo.2013.08.007. Epub 2013 Sep 7. Review. PubMed PMID: 24135157.

44: Fragouli E, Lalioti MD, Wells D. The transcriptome of follicular cells: biological insights and clinical implications for the treatment of infertility. *Hum Reprod Update*. 2014 Jan-Feb;20(1):1-11. doi: 10.1093/humupd/dmt044. Epub 2013 Sep 29. Review. PubMed PMID: 24082041; PubMed Central PMCID: PMC3845680.

45: Guillén-Navarro E, Blasco AJ, Gutierrez-Solana LG, Couce ML, Cancho-Candela R, Lázaro P; grupo de trabajo Hunter España. [Clinical practice guideline for the management of Hunter syndrome. Hunter España working group]. *Med Clin (Barc)*. 2013 Nov 16;141(10):453.e1-13. doi: 10.1016/j.medcli.2013.07.010. Epub 2013 Sep 21. Spanish. PubMed PMID: 24060500.

46: Cohen J, Alikani M. Evidence-based medicine and its application in clinical preimplantation embryology. *Reprod Biomed Online*. 2013 Nov;27(5):547-61. doi: 10.1016/j.rbmo.2013.08.003. Epub 2013 Aug 29. Review. PubMed PMID: 24041673.

47: Van der Aa N, Zamani Esteki M, Vermeesch JR, Voet T. Preimplantation genetic diagnosis guided by single-cell genomics. *Genome Med*. 2013 Aug 19;5(8):71. doi: 10.1186/gm475. eCollection 2013. Review. PubMed PMID: 23998893; PubMed Central PMCID: PMC3979122.

48: Schoolcraft WB, Katz-Jaffe MG. Comprehensive chromosome screening of trophectoderm with vitrification facilitates elective single-embryo transfer for infertile women with advanced maternal age. *Fertil Steril*. 2013 Sep;100(3):615-9. doi: 10.1016/j.fertnstert.2013.07.1972. Review. PubMed PMID: 23993664.

49: Scott KL, Hong KH, Scott RT Jr. Selecting the optimal time to perform biopsy for preimplantation genetic testing. *Fertil Steril*. 2013 Sep;100(3):608-14. doi: 10.1016/j.fertnstert.2013.07.004. Review. PubMed PMID: 23993663.

50: Handyside AH. 24-chromosome copy number analysis: a comparison of available

- technologies. *Fertil Steril.* 2013 Sep;100(3):595-602. doi: 10.1016/j.fertnstert.2013.07.1965. Review. PubMed PMID: 23993662.
- 51: Montag M, Toth B, Strowitzki T. New approaches to embryo selection. *Reprod Biomed Online.* 2013 Nov;27(5):539-46. doi: 10.1016/j.rbmo.2013.05.013. Epub 2013 Jun 14. Review. PubMed PMID: 23933036.
- 52: Gershon ES, Alliey-Rodriguez N. New ethical issues for genetic counseling in common mental disorders. *Am J Psychiatry.* 2013 Sep;170(9):968-76. doi: 10.1176/appi.ajp.2013.12121558. Review. PubMed PMID: 23897273.
- 53: MacDonald WA, Mann MR. Epigenetic regulation of genomic imprinting from germ line to preimplantation. *Mol Reprod Dev.* 2014 Feb;81(2):126-40. doi: 10.1002/mrd.22220. Epub 2013 Aug 26. Review. PubMed PMID: 23893518.
- 54: Paul S, Knott JG. Epigenetic control of cell fate in mouse blastocysts: the role of covalent histone modifications and chromatin remodeling. *Mol Reprod Dev.* 2014 Feb;81(2):171-82. doi: 10.1002/mrd.22219. Epub 2013 Aug 13. Review. PubMed PMID: 23893501; PubMed Central PMCID: PMC4276566.
- 55: Swain JE. Could time-lapse embryo imaging reduce the need for biopsy and PGS? *J Assist Reprod Genet.* 2013 Aug;30(8):1081-90. doi: 10.1007/s10815-013-0048-4. Epub 2013 Jul 11. Review. PubMed PMID: 23842747; PubMed Central PMCID: PMC3790111.
- 56: McGraw S, Shojaei Saadi HA, Robert C. Meeting the methodological challenges in molecular mapping of the embryonic epigenome. *Mol Hum Reprod.* 2013 Dec;19(12):809-27. doi: 10.1093/molehr/gat046. Epub 2013 Jun 19. Review. PubMed PMID: 23783346.
- 57: Byler MC, Lebel RR. Risks of reproducing with a genetic disorder. *Semin Reprod Med.* 2013 Jul;31(4):258-66. doi: 10.1055/s-0033-1345273. Epub 2013 Jun 17. Review. PubMed PMID: 23775381.
- 58: Bruce AW. Generating different genetic expression patterns in the early embryo: insights from the mouse model. *Reprod Biomed Online.* 2013 Dec;27(6):586-92. doi: 10.1016/j.rbmo.2013.03.024. Epub 2013 May 14. Review. PubMed PMID: 23768616.
- 59: Kohda T. Effects of embryonic manipulation and epigenetics. *J Hum Genet.* 2013 Jul;58(7):416-20. doi: 10.1038/jhg.2013.61. Epub 2013 Jun 6. Review. PubMed PMID: 23739123.
- 60: Practice Committees of the American Society for Reproductive Medicine and the Society for Assisted Reproductive Technology. Blastocyst culture and transfer in clinical-assisted reproduction: a committee opinion. *Fertil Steril.* 2013 Mar 1;99(3):667-72. doi: 10.1016/j.fertnstert.2013.01.087. PubMed PMID: 23714439.
- 61: Schiffman JD, Geller JI, Mundt E, Means A, Means L, Means V. Update on pediatric cancer predisposition syndromes. *Pediatr Blood Cancer.* 2013 Aug;60(8):1247-52. doi: 10.1002/pbc.24555. Epub 2013 Apr 26. Review. PubMed PMID: 23625733.

- 62: Molnár JM, Magyarósi S, Németh G. [Significance of genetic tests in the era of personalized medicine]. *Magy Onkol.* 2013 Mar;57(1):16-20. doi: MagyOnkol.2013.57.1.16. Epub 2013 Feb 10. Review. Hungarian. PubMed PMID: 23573517.
- 63: Ajduk A, Zernicka-Goetz M. Quality control of embryo development. *Mol Aspects Med.* 2013 Oct;34(5):903-18. doi: 10.1016/j.mam.2013.03.001. Epub 2013 Apr 4. Review. PubMed PMID: 23563243.
- 64: Bazrgar M, Gourabi H, Valojerdi MR, Yazdi PE, Baharvand H. Self-correction of chromosomal abnormalities in human preimplantation embryos and embryonic stem cells. *Stem Cells Dev.* 2013 Sep 1;22(17):2449-56. doi: 10.1089/scd.2013.0053. Epub 2013 May 14. Review. PubMed PMID: 23557100.
- 65: Traeger-Synodinos J. Preimplantation genetic diagnosis, an alternative to conventional prenatal diagnosis of the hemoglobinopathies. *Int J Lab Hematol.* 2013 Dec;35(6):571-9. doi: 10.1111/ijlh.12086. Epub 2013 Apr 3. Review. PubMed PMID: 23551498.
- 66: Rechitsky S, Verlinsky O, Kuliev A. PGD for cystic fibrosis patients and couples at risk of an additional genetic disorder combined with 24-chromosome aneuploidy testing. *Reprod Biomed Online.* 2013 May;26(5):420-30. doi: 10.1016/j.rbmo.2013.01.006. Epub 2013 Jan 29. Review. PubMed PMID: 23523379.
- 67: Simpson JL. Cell-free fetal DNA and maternal serum analytes for monitoring embryonic and fetal status. *Fertil Steril.* 2013 Mar 15;99(4):1124-34. doi: 10.1016/j.fertnstert.2013.02.012. Review. PubMed PMID: 23499003.
- 68: Martín J, Cervero A, Mir P, Martinez-Conejero JA, Pellicer A, Simón C. The impact of next-generation sequencing technology on preimplantation genetic diagnosis and screening. *Fertil Steril.* 2013 Mar 15;99(4):1054-61.e3. doi: 10.1016/j.fertnstert.2013.02.001. Review. Erratum in: *Fertil Steril.* 2013 May;99(6):1798. Conejero Martinez, Jose Antonio [corrected to Martinez-Conejero, Jose Antonio]. PubMed PMID: 23499002.
- 69: Yamagata K, Ueda J. Long-term live-cell imaging of mammalian preimplantation development and derivation process of pluripotent stem cells from the embryos. *Dev Growth Differ.* 2013 May;55(4):378-89. doi: 10.1111/dgd.12048. Epub 2013 Mar 18. Review. PubMed PMID: 23495974.
- 70: Ethics Committee of American Society for Reproductive Medicine. Use of preimplantation genetic diagnosis for serious adult onset conditions: a committee opinion. *Fertil Steril.* 2013 Jul;100(1):54-7. doi: 10.1016/j.fertnstert.2013.02.043. Epub 2013 Mar 7. Review. PubMed PMID: 23477677.
- 71: Hens K, Dondorp W, Handyside AH, Harper J, Newson AJ, Pennings G, Rehmann-Sutter C, de Wert G. Dynamics and ethics of comprehensive preimplantation genetic testing: a review of the challenges. *Hum Reprod Update.* 2013 Jul-Aug;19(4):366-75. doi: 10.1093/humupd/dmt009. Epub 2013 Mar 6. Review. PubMed PMID: 23466750.

72: Rivera RM, Ross JW. Epigenetics in fertilization and preimplantation embryo development. *Prog Biophys Mol Biol.* 2013 Dec;113(3):423-32. doi: 10.1016/j.pbiomolbio.2013.02.001. Epub 2013 Feb 27. Review. PubMed PMID: 23454467.

73: Collins SC. Preimplantation genetic diagnosis: technical advances and expanding applications. *Curr Opin Obstet Gynecol.* 2013 Jun;25(3):201-6. doi: 10.1097/GCO.0b013e32835faafe. Review. PubMed PMID: 23429571.

74: Zuccotti M, Merico V, Belli M, Mulas F, Sacchi L, Zupan B, Redi CA, Prigione A, Adjaye J, Bellazzi R, Garagna S. OCT4 and the acquisition of oocyte developmental competence during folliculogenesis. *Int J Dev Biol.* 2012;56(10-12):853-8. doi: 10.1387/ijdb.120174mz. Review. PubMed PMID: 23417407.

75: Wassarman PM, Litscher ES. Influence of the zona pellucida of the mouse egg on folliculogenesis and fertility. *Int J Dev Biol.* 2012;56(10-12):833-9. doi: 10.1387/ijdb.120136pw. Review. PubMed PMID: 23417405.

76: Rubio C, Rodrigo L, Mir P, Mateu E, Peinado V, Milán M, Al-Asmar N, Campos-Galindo I, Garcia S, Simón C. Use of array comparative genomic hybridization (array-CGH) for embryo assessment: clinical results. *Fertil Steril.* 2013 Mar 15;99(4):1044-8. doi: 10.1016/j.fertnstert.2013.01.094. Epub 2013 Feb 5. Review. PubMed PMID: 23394777.

77: Cao A, Kan YW. The prevention of thalassemia. *Cold Spring Harb Perspect Med.* 2013 Feb 1;3(2):a011775. doi: 10.1101/cshperspect.a011775. Review. PubMed PMID: 23378598; PubMed Central PMCID: PMC3552345.

78: de Die-Smulders CE, de Wert GM, Liebaers I, Tibben A, Evers-Kiebooms G. Reproductive options for prospective parents in families with Huntington's disease: clinical, psychological and ethical reflections. *Hum Reprod Update.* 2013 May-Jun;19(3):304-15. doi: 10.1093/humupd/dms058. Epub 2013 Feb 1. Review. PubMed PMID: 23377865.

79: Avella MA, Xiong B, Dean J. The molecular basis of gamete recognition in mice and humans. *Mol Hum Reprod.* 2013 May;19(5):279-89. doi: 10.1093/molehr/gat004. Epub 2013 Jan 17. Review. PubMed PMID: 23335731; PubMed Central PMCID: PMC3632220.

80: Paula-Lopes FF, Lima RS, Satrapa RA, Barros CM. Physiology and Endocrinology Symposium: influence of cattle genotype (*Bos indicus* vs. *Bos taurus*) on oocyte and preimplantation embryo resistance to increased temperature. *J Anim Sci.* 2013 Mar;91(3):1143-53. doi: 10.2527/jas.2012-5802. Epub 2013 Jan 7. Review. PubMed PMID: 23296831.

81: Feuer SK, Camarano L, Rinaudo PF. ART and health: clinical outcomes and insights on molecular mechanisms from rodent studies. *Mol Hum Reprod.* 2013 Apr;19(4):189-204. doi: 10.1093/molehr/gas066. Epub 2012 Dec 20. Review. PubMed PMID: 23264495; PubMed Central PMCID: PMC3598410.

82: Hinrichs K. Assisted reproduction techniques in the horse. *Reprod Fertil Dev.* 2012;25(1):80-93. doi: 10.1071/RD12263. Review. PubMed PMID: 23244831.

83: Laguna-Barraza R, Bermejo-Álvarez P, Ramos-Ibeas P, de Frutos C, López-Cardona AP, Calle A, Fernandez-Gonzalez R, Pericuesta E, Ramírez MA, Gutierrez-Adan A. Sex-specific embryonic origin of postnatal phenotypic variability. *Reprod Fertil Dev.* 2012;25(1):38-47. doi: 10.1071/RD12262. Review. PubMed PMID: 23244827.

84: Schaffer JV. Molecular diagnostics in genodermatoses. *Semin Cutan Med Surg.* 2012 Dec;31(4):211-20. doi: 10.1016/j.sder.2012.08.002. Review. PubMed PMID: 23174491.

85: Arango Restrepo P, Sánchez Abad PJ, Pastor LM. [Preimplantatory genetic diagnosis and "saviour sibling": ethical criteria found in the biomedical and bioethics literature]. *Cuad Bioet.* 2012 May-Aug;23(78):301-20. Review. Spanish. PubMed PMID: 23130745.

86: Gleicher N, Barad DH. A review of, and commentary on, the ongoing second clinical introduction of preimplantation genetic screening (PGS) to routine IVF practice. *J Assist Reprod Genet.* 2012 Nov;29(11):1159-66. doi: 10.1007/s10815-012-9871-2. Epub 2012 Oct 5. Review. PubMed PMID: 23054362; PubMed Central PMCID: PMC3510363.

87: Brezina PR, Brezina DS, Kearns WG. Preimplantation genetic testing. *BMJ.* 2012 Sep 18;345:e5908. doi: 10.1136/bmj.e5908. Review. PubMed PMID: 22990995.

88: Denomme MM, Mann MR. Genomic imprints as a model for the analysis of epigenetic stability during assisted reproductive technologies. *Reproduction.* 2012 Oct;144(4):393-409. doi: 10.1530/REP-12-0237. Epub 2012 Sep 6. Review. PubMed PMID: 22956517.

89: Mason K, Liu Z, Aguirre-Lavin T, Beaujean N. Chromatin and epigenetic modifications during early mammalian development. *Anim Reprod Sci.* 2012 Sep;134(1-2):45-55. doi: 10.1016/j.anireprosci.2012.08.010. Epub 2012 Aug 11. Review. PubMed PMID: 22921722.

90: Zhang YF, Luo HN, Li XP, Zhang YS. [Applications and prospect of multiple displacement amplification in preimplantation genetic diagnosis]. *Zhonghua Yi Xue Za Zhi.* 2012 Aug;29(4):431-4. doi: 10.3760/cma.j.issn.1003-9406.2012.04.011. Review. Chinese. PubMed PMID: 22875500.

91: Waterham HR, Ebberink MS. Genetics and molecular basis of human peroxisome biogenesis disorders. *Biochim Biophys Acta.* 2012 Sep;1822(9):1430-41. doi: 10.1016/j.bbadi.2012.04.006. Epub 2012 Apr 25. Review. PubMed PMID: 22871920.

92: Vendrell X, Bautista-Llácer R. A methodological overview on molecular preimplantation genetic diagnosis and screening: a genomic future? *Syst Biol Reprod Med.* 2012 Dec;58(6):289-300. doi: 10.3109/19396368.2012.704126. Epub 2012 Aug 3. Review. PubMed PMID: 22856595.

93: SenGupta SB, Delhanty JD. Preimplantation genetic diagnosis: recent triumphs and remaining challenges. *Expert Rev Mol Diagn.* 2012 Jul;12(6):585-92. Review. PubMed PMID: 22845479.

94: Velker BA, Denomme MM, Mann MR. Embryo culture and epigenetics. *Methods Mol Biol.* 2012;912:399-421. doi: 10.1007/978-1-61779-971-6_23. Review. PubMed PMID: 22829387.

95: Lara B, Fornet I, Goya M, López F, De Miguel JR, Molina M, Morales P, Quintana E, Salicrú S, Suárez E, Usetti P, Zurbano F. Contraception, pregnancy and rare respiratory diseases. *Arch Bronconeumol.* 2012 Oct;48(10):372-8. doi: 10.1016/j.arbres.2012.04.012. Epub 2012 Jul 7. Review. English, Spanish. PubMed PMID: 22771004.

96: Marchesi DE, Qiao J, Feng HL. Embryo manipulation and imprinting. *Semin Reprod Med.* 2012 Aug;30(4):323-34. doi: 10.1055/s-0032-1320013. Epub 2012 Jun 27. Review. PubMed PMID: 22740058.

97: Fiorentino F. Array comparative genomic hybridization: its role in preimplantation genetic diagnosis. *Curr Opin Obstet Gynecol.* 2012 Aug;24(4):203-9. doi: 10.1097/GCO.0b013e328355854d. Review. PubMed PMID: 22729095.

98: Tur-Kaspa I. Clinical management of in vitro fertilization with preimplantation genetic diagnosis. *Semin Reprod Med.* 2012 Aug;30(4):309-22. doi: 10.1055/s-0032-1313910. Epub 2012 Jun 21. Review. PubMed PMID: 22723012.

99: Fragouli E, Wells D. Aneuploidy screening for embryo selection. *Semin Reprod Med.* 2012 Aug;30(4):289-301. doi: 10.1055/s-0032-1313908. Epub 2012 Jun 21. Review. PubMed PMID: 22723010.

100: Treff NR. Genome-wide analysis of human preimplantation aneuploidy. *Semin Reprod Med.* 2012 Aug;30(4):283-8. doi: 10.1055/s-0032-1313907. Epub 2012 Jun 21. Review. PubMed PMID: 22723009.