

Ciler CELIK-OZENCI (DDS, PhD)



Dr. Ciler Celik-Ozenci graduated from the University of Hacettepe, Turkey, with a Bachelor's degree in Dentistry in 1997. She has received a PhD in Histology and Embryology from the University of Akdeniz, Antalya, Turkey, in 2003. She has worked as a Full Professor lecturer and a principal investigator of the Reproductive Biology Programme in the same department. She served as the Chair of the Department between 2019-2021. She has been working as a Full Professor in Istanbul Koc University Medical Faculty Department of Histology and Embryology.

She has held a fellowship position at Yale University while performing her PhD thesis between 2001 and 2002. During that period, she has worked at Sperm Physiology Laboratory, in the Division of Reproductive Endocrinology, Department of Obstetrics and Gynecology, Yale University under the supervisory of Dr. Gabor Huszar. One of her key scientific achievements was to coauthor as a major investigator in a series of research to develop an objective assay where mature human sperm can be selected by hyaluronic acid-binding. In 2002, she came back to the Department of Histology and Embryology at Akdeniz University in Antalya, Turkey, to finish her PhD thesis, which was investigating the question "whether the morphological selection of human sperm for intracytoplasmic sperm injection (ICSI) reflects its genetic status, thus would better contribute to human fertilization and increase fertilization rates during assisted reproductive techniques". Historically, her research concerned the molecular mechanisms of spermatogenesis, emphasizing how such mechanisms may affect male fertility. Her achievements while working at Yale helped her to improve her research skills. After going back to Akdeniz University, she has been granted as a primary investigator in various projects supported by her University and The Scientific and Technological Research Council of Turkey (TUBITAK), one of the most prominent grant foundations in Turkey.

Dr. Ciler Celik-Ozenci's group has studied how the PARP pathway might be related to male infertility and was involved in some recent reports in the literature expressing the possible role of this pathway in male reproduction. Studies by Celik-Ozenci, which have been performed utilizing PARP-1 knockout models and pharmacological inhibition of PARP-1, revealed some crucial roles of PARP activity in male reproduction, requiring further attention in the literature. PARP inhibition is gaining importance in various types of cancer treatments and oxidative stress-related diseases. Dr. Ciler Celik-Ozenci's laboratory has studied the regulation of the blood-testis barrier in rodents in collaboration with Prof. Dr. Yan Cheng from the Rockefeller University of New York. Other projects seek to understand the role of FoxO's during the development of mouse preimplantation embryos, especially under stress conditions. Such research could provide a useful tool for studying the role of stress-related proteins during early embryogenesis and may

provide an effective means of delivering targeted clinical agents. A recent project regarding the possible functions of FoxO's during implantation is currently ongoing in Celik-Ozenci Lab which aims to determine a potential biomarker of implantation window and endometrial receptivity. Dr. Celik-Ozenci's group studied the role of mTOR pathway during spermatogonial stem cell proliferation and their entry to meiosis. A collaborative project is ongoing with Dr Kyle Orwig from University of Pittsburgh regarding human spermatogonia's characterization to enable fundamental and applied investigations. Another recent project to evaluate pre-implantation embryo metabolism utilizing a non-invasive technology that can measure cellular energy was initiated in 2017 in collaboration with Dr Daniel Needleman from Harvard University and Dr Denny Sakkas from Boston IVF. Recently, Dr. Celik-Ozenci Group studies the metabolism of pre-implantation mouse embryos under low oxygen levels. Additional recent projects are; (i) the potential adverse effects of ovarian tissue cryopreservation upon primordial follicle burn-out mechanism and how transplantation of cryopreserved ovary may impact upon fertility preservation; (ii) to improve the three-dimensional culture of Sertoli cells via various growth factor supplementation to support *in vitro* spermatogenesis; (iii) mechanisms of pathological decidualization concerning premature ageing of the endometrium; (iv) and role of circadian rhythm disruption on pregnancy and its contribution to intrauterine growth retardation.

Dr. Ciler Celik-Ozenci is a member of the European Society of Human Reproduction and Embryology, the American Society for Reproductive Medicine, the International Society for Fertility Preservation, the Turkish Andrology Society, and the Turkish Society of Histology and Embryology. She is the editorial board member of Assisted Reproduction and Genetics Journal since 2017 and Journal of Fertility Preservation since 2020. Dr. Celik-Ozenci is the recipient of multiple awards for research, including Akdeniz University "Young Scientist Award" for research, UNESCO-Loreal Women in Science Award (Turkey), Turkish Society of Histology & Embryology Best Presentation Award, Turkish Society of Reproductive Medicine Best Poster Award, Prof. Dr Alpay Kelami Male Infertility Award, and Prof. Dr Turkan Erben Research Award in Electron Microscopy. She has published in leading scientific journals and edited textbooks on reproductive medicine, male infertility, and fertility preservation. She is on the referee pool of several journals and has lectured on reproductive medicine.

PERSONAL INFORMATION

Family name, First name: CELIK-OZENCI, CILER



Researcher unique identifiers: ORCID: <http://orcid.org/0000-0003-0370-8680>. WOS Researcher ID: C-7463-2016

Date of birth: 08/10/1974

Nationality: Turkish (TR)

URL for web site: <https://publons.com/researcher/1266029/ciler-celik-ozenci/>
<https://scholar.google.com/citations?hl=en&user=NdYGhUAAAAAJ>

- **EDUCATION**

2003-PhD Medical Faculty, Department of Histology and Embryology, Akdeniz University, Turkey

1997-DDS (Doctor of Dental Surgery), Dentistry Faculty, Hacettepe University, Turkey

- **SUPERVISION OF GRADUATE STUDENTS AND POSTDOCTORAL FELLOWS**

2006 – 2020 Assistant Professor, Associate Professor, Full Professor. Number of Postdocs (4), PhD Students (7), Master Students (8) - Medical Faculty, Department of Histology and Embryology, Akdeniz University, Turkey

- **TEACHING ACTIVITIES**

2006 – 2020 Assistant Professor, Associate Professor, Full Professor.

Teaching Topics in Akdeniz University Medical Faculty (1st and 2nd year undergraduate students' curricula) and Institute of Health Sciences (MSc/PhD programmes), Turkey: Histology and Embryology of the Male Reproductive System; Histology and Embryology of the Female Reproductive System; Male and Female Gonad development; General Embryology; Gametogenesis; Genital Cycle (Ovarian Cycle and Uterinal Cycle); Fertilization and Embryonic Development; Fetal Development; Assisted Reproductive Technologies; Andrology Laboratory Techniques; Biology of Implantation; Fundamentals of Reproductive Biology; Human Placenta Development.

- **ORGANISATION OF SCIENTIFIC MEETINGS**

2019 Vice President, Stem Cells for Male Infertility, Ankara, Turkey

Internationally collaborated workshop / number of participants: 220 / Turkey

2018 Secretary General, 14th National Meeting of Histology Embryology Congress, Turkey

Congress / number of participants: 420 / Turkey

2016 Organizing Committee Board, 13th National Meeting of Histology Embryology

Congress with international participation/ number of participants: 450 / Turkey

- **INSTITUTIONAL RESPONSIBILITIES**

2019 – 2021 Executive Board, Akdeniz University, Health Sciences Institute, Turkey

2017 – 2021 Scientific Advisory Board of Rector, Akdeniz University, Turkey

2017 – 2021 Advisory Committee Member, Stem Cell Centre, Akdeniz University, Turkey

2018 – 2020 Executive Board Member, Akdeniz University, Technology Transfer Office, Turkey

2008-2018 Member, Medical Faculty Problem Based Learning Commission, Akdeniz University, Turkey

2014-2018 Executive Board Member, Turkish Society of Histology and Embryology, Turkey

2014 –2017 Founding Member, Committee of Advancing Medical Research, Akdeniz University, Turkey

2008 –2015 Erasmus Exchange Coordinator, Akdeniz University, Medical Faculty, Turkey

2008 –2015 Vice Coordinator, Committee for Medical Education, Akdeniz University, Turkey

- **ACTIVE MEMBERSHIPS OF SCIENTIFIC SOCIETIES**

Since 2019 Member, Turkish Society for Fertility Preservation

Since 2019 Member, International Society for Fertility Preservation

Since 2017 Member, European Society of Human Reproduction and Embryology

Since 2017 Member, The American Society for Reproductive Medicine

Since 2016 Member, Turkish Society of Clinical Embryology, Turkey

Since 2008 Founding Member, Gamete Biology Journal Club, Turkey

Since 2007 Member, Turkish Society for Electron Microscopy, Turkey

Since 2002 Member, Turkish Andrology Society, Turkey

Since 1998 Member, Turkish Society of Histology and Embryology, Turkey

- **MAJOR COLLABORATIONS**

Senior Scientist Dr. Gabor HUSZAR, Male Infertility, Sperm Physiology Lab, Department of OBGYN, Yale University, New Haven, CT, USA. **Senior Scientist Dr. C. Yan Cheng**, Molecular Mechanisms Underlying

Blood-Testis Barrier, Population Council's Center for Biomedical Research, Population Council, Rockefeller University, New York, NY, USA. **Prof. Dr. Kyle Orwig**, Stem Cells and Fertility Preservation, Department of OBGYN & Reproductive Sciences, University of Pittsburgh, Pittsburgh, PA, USA. **Prof. Dr. Daniel Needleman**, Utilizing FLIM Technology to Evaluate Pre-Implantation Embryo Development, Applied Physics and Molecular and Cellular Biology, Harvard University School of Medicine, Cambridge, MA, USA.

- **CAREER BREAKS** – Maternity leave in 2004. I am a mother to a 17 years-old boy.

POSITION:

Professor
Department of Histology and Embryology,
Faculty of Medicine, Koc University,
Istanbul, TURKEY.

OFFICE ADDRESS:

Department of Histology and Embryology,
Faculty of Medicine, Koc University,
Rumeli Feneri, Sariyer, Istanbul TURKEY.

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- **WORK EXPERIENCE, POSTGRADUATE TRAINING and SABBATICALS:**

2021- Professor

***Department of Histology and Embryology
Medical Faculty, Koc University,
Istanbul, TURKEY.***

2019-2021- Professor (Department Chair)

***Department of Histology and Embryology,
Faculty of Medicine, Akdeniz University,
Antalya, TURKEY.***

07 June- 26 August 2017- Visiting Professor

***Harvard Engineering & Applied Science
Systems Biology, FAS, Harvard University,
Cambridge, MA***

2014- 2021 Professor

***Department of Histology and Embryology
Medical Faculty, Akdeniz University,
Antalya, TURKEY.***

2007-2014 Associate Professor

***Department of Histology and Embryology
Medical Faculty, Akdeniz University,***

Antalya, TURKEY.

2006- 2007 Assistant Professor
***Department of Histology and Embryology
Medical Faculty, Akdeniz University,
Antalya, TURKEY.***

2004 Jan-2004 March Postdoctoral Fellow
***Sperm Physiology Laboratory,
Division of Reproductive Endocrinology,
Department of Obstetrics and Gynecology,
Yale University, New Haven, CT, USA.***

2003- 2006 Postdoctoral Fellow
***Department of Histology and Embryology
Medical Faculty, Akdeniz University,
Antalya, TURKEY.***

2001-2002 Postdoctoral Fellow
***Sperm Physiology Laboratory,
Division of Reproductive Endocrinology,
Department of Obstetrics and Gynecology,
Yale University, New Haven, CT, USA.***

1998-2003 Research Assistant
***Department of Histology and Embryology
Medical Faculty, Akdeniz University,
Antalya, TURKEY.***

• **HONORS, AWARDS, & ACHIEVEMENTS:**

- 2019 Award for Outstanding Abstract (1st), 8th World Congress of the International Society for Fertility Preservation (ISFP), New York, NY, USA.
- 2015 Poster Presentation Award (3rd), V. Society of Reproductive Medicine and Surgery Congress, Antalya, Turkey.
- 2015 Selected Best Oral Presentation Award, V. Society of Reproductive Medicine and Surgery Congress, Antalya, Turkey.
- 2013 Selected Oral Presentation 3rd Award, IV. Congress of The Society of Reproductive Medicine, Antalya, Turkey.
- 2013 L'Oréal-UNESCO Award for Women in Science, Istanbul, Turkey.
- 2012 Best Poster Award, Turkish Society of Reproductive Medicine (TSRM), 5th National Meeting of Reproductive Endocrinology and Infertility Congress, Çeşme, Turkey.

- 2012 Best Paper Award, Turkish Society of Histology & Embryology, 11th National Meeting of Histology Embryology Congress, Denizli, Turkey.
- 2009 Akdeniz University Young Scientist Award, Antalya, Turkey.
- 2009 Prof. Dr. Alpay Kelami Male Infertility Award, Turkish Society of Andrology, 8th National Andrology Meeting, Izmir, Turkey.
- 2008 Presentation Award, Turkish Society of Histology & Embryology, 9th National Meeting of Histology Embryology Congress, Adana, Turkey.
- 2007 Prof. Dr. Turkan Erben Research Award, Turkish Society of Electron Microscopy, 18th National Electron Microscopy Congress, Eskisehir, Turkey.
- 2005 Prof. Dr. Alpay Kelami Male Infertility Award, Turkish Society of Andrology, 6th National Andrology Meeting, Izmir, Turkey.
- 2003 Prof. Dr. Alpay Kelami Andrology Award, Turkish Society of Andrology, 5th National Andrology Meeting, Istanbul, Turkey.
- 2000 Second Best Poster Award, Turkish Society of Histology & Embryology, 5th National Meeting of Histology and Embryology Congress, Kayseri, Turkey.

- **EDITORIAL BOARD and REVIEWING ACTIVITIES**

- 2020 – present Editorial Board, Journal of Fertility Preservation
- 2017 – present Section Editor (Basic Medical Sciences), Akdeniz Medical Journal
- 2017 – present Editorial Board, Journal of Assisted Reproduction and Genetics
- 2010 – present Review panel member (Health Sciences), The Scientific and Technological Research Council of Turkey (TUBITAK), Turkey

- **REVIEWER FOR THE FOLLOWING JOURNALS:**

Reproduction
 Journal of Assisted Reproduction and Genetics
 Biology of Reproduction
 Human Reproduction
 Molecular Human Reproduction
 Reproductive BioMedicine Online
 Reproduction, Fertility and Development
 Reproductive Biology
 Andrologia
 Andrology
 Basic and Clinical Andrology
 Scientific Reports
 Frontiers in Molecular Biosciences

Expert Opinion on Biological Therapy
Toxicology Research
Food and Chemical Toxicology
Environmental Toxicology
Oxidative Medicine and Cellular Longevity
Marine Drugs
Phytotherapy Journal
Disease and Molecular Medicine
International Journal of Endocrinology
Journal of the European Academy of Dermatology and Venereology
Journal of Endocrinology
Current Drug Metabolism
Reproduction in Domestic Animals
Journal of Steroid Biochemistry and Molecular Biology
Journal of Biochemical and Molecular Toxicology
Journal of Elementology
Frontiers in Cell and Developmental Biology
Frontiers in Pharmacology

- **PEER REVIEWED ARTICLES:**

1. **Celik C**, Korgun ET, Demir R. Immunohistochemical detection of CD45+, CD56+, and CD14+ cells in human decidua during early pregnancy. **Early Pregnancy**, **2001**; 5:164-175.
2. Caylı S, Ustunel I, **Celik-Ozenci C**, Korgun ET, Demir R. Distribution patterns of PCNA and ANP in perinatal stages of the developing rat heart. **Acta Histochem**. **2002**; 104:271-277.
3. Demir R, Kayisli UA, **Celik-Ozenci C**, Korgun ET, Demir-Weusten AY, Arici A. Structural differentiation of human uterine luminal and glandular epithelium during early pregnancy: an ultrastructural and immunohistochemical study. **Placenta**, **2002**; 23:672-684.
4. Demir R, Kayisli UA, **Celik C**, Korgun ET, Demir-Weusten AY. Ultrastructural diversities of the human decidual granular leukocytes during early pregnancy. **Early Pregnancy**, **2003**; 6:248-271.
5. Jakab A, Kovacs T, **Celik C**, Huszar G. Origin of sperm with extra chromosome set. **Hum Reprod**. **2003**; 18:459.
6. Ustunel I, Cayli S, Güney K, **Celik-Ozenci C**, Tanriover G, Sahin Z, Balkan E, Demir R. Immunohistochemical distribution patterns of collagen type II, chondroitin 4-sulfate, laminin and fibronectin in human nasal septal cartilage. **Acta Histochem**. **2003**; 105:109-114.
7. Huszar G, **Ozenci CC**, Cayli S, Zavaczki Z, Hansch E and Vigue L. Hyaluronic Acid Binding by Human sperm indicates cellular maturity, viability and unreacted acrosomal status. **Fertil Steril**. **2003**; 79:1616-1624.
8. Cayli S, Jakab A, Ovari L, Delpiano E, **Celik-Ozenci C**, Ward D, Huszar G. Biochemical markers of Sperm Function: Male Fertility and sperm selection for ICSI. **Reproductive BioMedicine Online**, **2003**; Andrology Special Issue, 4:462-468.
9. **Celik-Ozenci C**, Catalanotti J, Jakab A, Aksu C, Ward D, Bray-Ward P, Demir R, Huszar G. Human sperm maintain their shape following decondensation and denaturation for fluorescent in situ hybridization: shape analysis and objective morphometry. **Biol Reprod**. **2003**; 69:1347-1355.
10. **Celik-Ozenci C**, Akkoyunlu G, Kayisli UA, Arici A, Demir R. Localization of Vascular Endothelial Growth Factor in the Zona Pellucida of Developing Ovarian Follicles in the Rat: A Possible Role in Destiny of Follicles. **Histochem and Cell Biol**. **2003**; 120:383-390.
11. Jakab A Jr, Kovacs T, Kovanci E, **Celik C**, Vigue L, Borsos A, Ward DC, Huszar G. Numerical chromosome anomalies in human sperm at low sperm concentration. **Orvosi Hetilap**. **2003**; 144:1473-1480.
12. **Celik-Ozenci C**, Akkoyunlu G, Korgun ET, Savas B, Demir R. Expressions of VEGF and its receptors in rat corpus luteum during Interferon alpha administration in early and pseudo-pregnancy. **Mol Reprod Dev**. **2004**; 67:414-423.

13. Akkoyunlu G, Korgun ET, **Celik-Ozenci C**, Seval Y, Demir R, Ustunel I. Distribution patterns of leucocyte subpopulations expressing different cell markers in the cumulus-oocyte complexes of pregnant and pseudopregnant rats. **Reprod Fertil Dev.** **2004**; 15:389-395.
14. Demir R, Kayisli UA, Seval Y, **Celik-Ozenci C**, Korgun ET, Demir-Weusten AY, Huppertz B. Sequential expression of VEGF and its receptors in human placental villi during very early pregnancy: Differences between placental vasculogenesis and angiogenesis. **Placenta**, **2004**; 25:560-572.
15. Huszar G, **Celik-Ozenci C**, Cayli S, Kovacs T, Vigue L, Kovanci E. Semen Characteristics After Overnight Shipping: Preservation Of Sperm Concentrations, Hspa2 Ratios, Ck Activity, Cytoplasmic Retention, Chromatin Maturity, DNA Integrity And Sperm Shape. **J of Androl.** **2004**; 25:593-604.
16. **Celik-Ozenci C**, Jakab A, Kovacs T, Catalanotti J, Demir R, Bray-Ward P, Ward D, Huszar G. Sperm selection for ICSI: Shape properties do not predict the absence or presence of numerical chromosomal aberrations. **Hum Reprod.** **2004**; 19:2052-2059.
17. Sahin Z, Bayram Z, **Celik-Ozenci C**, Akkoyunlu G, Seval Y, Erdogan T, Ustunel I, Baykara M, Demir R. Effect of experimental varicocele on the expressions of notch 1, 2 and 3 in rat testes: an immunohistochemical study. **Fertil Steril.** **2005**; 83:86-94.
18. Erdogan T, **Celik-Ozenci C**, Seval Y, Emreoglu I, Ustunel I, Korgun ET, Koksali TI, Baykara M, Demir R. The restorative effect of a selective cyclooxygenase-2 inhibitor on urothelial cell-cell interactions after partial bladder outlet obstruction in rats. **British Journal of Urology International**, **2005**; 95:664-669.
19. Korgun ET, **Celik-Ozenci C**, Seval Y, Desoye G, Demir R. Do glucose transporters have other roles in addition to placental glucose transport during early pregnancy? **Histochem and Cell Biol.** **2005**; 123:621-629.
20. **Celik-Ozenci C**, Ustunel I, Erdogan T, Seval Y, Korgun ET, Baykara M, Demir R. Ultrastructural and immunohistochemical analysis of rat uroepithelial cell junctions after partial bladder outlet obstruction and selective COX-2 inhibitor treatment. **Acta Histochem.** **2006**; 107:443-451.
21. **Celik-Ozenci C**, Bayram Z, Akkoyunlu G, Korgun ET, Erdogan T, Seval Y, Ustunel I, Baykara M, Demir R. Localization of NGF and nNOS in varicocele-induced rat testis. **Acta Histochem.** **2006**; 107:435-442.
22. Yildiz M, **Celik-Ozenci C**, Akan S, Akan I, Sati L, Demir R, Savas B, Ozben T, Samur M, Ozdogan M, Artac M, Bozcuk H. Zoledronic acid is synergic with vinblastine to induce apoptosis in a multidrug resistance protein-1 dependent way: An in vitro study. **Cell Biol Int.** **2006**; 30:278-282.
23. Zavaczki Z, **Celik-Ozenci C**, Ovari L, Jakab A, Sati GL, Ward DC, Gabor Huszar. Dimensional assessment of x-bearing and y-bearing haploid and disomic human sperm with the use of fluorescence in situ hybridization and objectivemorphometry. **Fertil Steril.** **2006**; 85:121-127.

24. Sahin Z, **Celik-Ozenci C**, Akkoyunlu G, Korgun ET, Acar N, Erdogru T, Demir R, Ustunel I. Increased expression of interleukin-1 alpha and interleukin-1 beta is associated with experimental varicocele. **Fertil Steril**. **2006**, 85:1265-1275.
25. **Celik-Ozenci C**, Sahin Z, Ustunel I, Akkoyunlu G, Erdogru T, Korgun ET, Baykara M, Demir R. The Fas system may have a role in male reproduction. **Fertil Steril**. **2006**, 85:1168-1178.
26. Korgun ET, **Celik-Ozenci C**, Acar N, Cayli S, Desoye G, Demir R. Location of cell cycle regulators cyclin B1, cyclin A, PCNA, Ki67 and cell cycle inhibitors p21, p27 and p57 in human first trimester placenta and deciduas. **Histochem Cell Biol**.**2006**, 125:615-24.
27. Huszar G, Ozkavukcu S, Jakab A, **Celik-Ozenci C**, Sati GL, Cayli S. Hyaluronic acid binding ability of human sperm reflects cellular maturity and fertilizing potential: selection of sperm for intracytoplasmic sperm injection. **Curr Opin Obstet Gynecol**. **2006**; 18:260-267.
28. Inan S, Vatansever S, **Celik-Ozenci C**, Sancı M, Dicle N, Demir R. "Immunolocalizations of VEGF, its receptors flt-1, KDR and TGF-beta's in epithelial ovarian tumors," **Histol Histopathol**. **2006** 21:1055-1064.
29. Huszar G, Jakab A, Sakkas D, **Ozenci CC**, Cayli C, Delpiano E, Ozkavukcu S. Fertility testing and ICSI sperm selection byhyaluronic acid binding: clinical and geneticaspects. **Reproductive BioMedicine Online**, **2007**; 14:650-663.
30. Kankavi O, Ata A, **Celik-Ozenci C**, Sati L, Ciftcioglu MA, Demir R, Baykara M. Presence and subcellular localizations of surfactant proteins A and D in human spermatozoa. **Fertil Steril**. **2008**; 90,1904-1909.
31. Ustunel I, Ozenci AM, Sahin Z, Ozbey O, Acar N, Tanrioer G, **Celik-Ozenci C**, Demir R. The immunohistochemical localization of notch receptors and ligands in human articular cartilage, chondroprogenitor culture and ultrastructural characteristics of these progenitor cells. **Acta Histochem**. **2008**; 110,397-407.
32. Seval Y, Sati L, **Celik-Ozenci C**, Taskin O, Demir R. The distribution of angiopoietin-1, angiopoietin-2 and their receptors tie-1 and tie-2 in the very early human placenta. **Placenta**, **2008**; 29, 809-815.
33. Dicle O, Velipasaoglu S, **Ozenci CC**, Akkoyunlu G, Demir N. Report of a new case with loose anagen hair syndrome and scanning electron microscopy findings. **Int J Dermatology**, **2008**; 47,936–938.
34. Gurpinar E, Zayim N, **Celik- Ozenci C**, Alimoglu MK. First Report about an E-Learning Application Supporting PBL: Students' Usages, Satisfactions, and Achievements. **The Turkish Online Journal of Educational Technology**, **April 2009**;Vol: 8, Issue 2, Article 5.
35. Ulker P, Sati L, **Celik-Ozenci C**, Meiselman HJ, Baskurt OK. Mechanical stimulation of nitric oxide synthesizing mechanisms in erythrocytes. **Biorheology**, **2009**; 46:121-132.

36. Tasatargil A, Tekcan M, **Celik-Ozenci C**, Gungor NE, Dalkiran B. Aldosterone-induced endothelial dysfunction of rat aorta: Role of the Poly (ADP-Ribose) Polymerase Activation. **J Renin-Angiotensin-Aldosterone System**, 2009, 10: 127-137
37. Tanriover G, Sati L, Tekcan M, Demir N, Gunel M, **Celik-Ozenci C**. Presence of the Brain Proteins Cerebral Cavernous Malformation-2 and Cerebral Cavernous Malformation-3 in Rat Testis and Their Potential Role in Experimental Varicocele. **Fertil Steril**. 2010, 93:2716-22
38. Dalaklioglu S, Tekcan M, Gungor NE, **Celik-Ozenci C**, Aksoy NH, Baykal A, Tasatargil A. Role of the poly(ADP-ribose)polymerase activity in vancomycin-induced renal injury. **Toxicol Lett**. 2010, 192:91-6.
39. Ercan S, Oztürk N, **Celik-Ozenci C**, Gungor NE, Yargicoglu P. Sodium metabisulfite induces lipid peroxidation and apoptosis in rat gastric tissue. **Toxicol Indust Health**, 2010 Aug;26(7):425-31.
40. Bicakci AA, Kocoglu-Altan B, **Celik-Ozenci C**, Tekcan M, Babacan H, Gungor E. Histopathologic evaluation of pulpal tissue response to various adhesive cleanup techniques. **Am J Orthod Dentofacial Orthop**. 2010 Jul;138(1):12.1-7.
41. Zik B, Akkoc CGO, Tutuncu S, Ilhan T, Yilmaztepe AO, **Ozenci CC**. Effects of low dose capsaicin (CAP) on ovarian follicle development in prepubertal rat. **REVUE DE MEDECINE VETERINAIRE**, 2010 Volume: 161 Issue: 6 Pages: 288-294.
42. Rzepczynska IJ, Foyouzi N, Piotrowski PC, **Celik-Ozenci C**, Cress A, Duleba AJ. Antioxidants induce apoptosis of rat ovarian theca-interstitial cells. **Biol Reprod**. 2011 Jan;84(1):162-6.
43. Ulker P, Yaras N, Yalcin O, **Celik-Ozenci C**, Johnson PC, Meiselman HJ, Baskurt OK. Shear stress activation of nitric oxide synthase and increased nitric oxide levels in human red blood cells. **Nitric Oxide**, 2011 May 31;24(4):184-91.
44. **Celik-Ozenci C**, Tasatargil A, Tekcan M, Sati L, Gungor E, Isbir M, Demir R. Effects of abamectin exposure on male fertility in rats: Potential role of oxidative stress-mediated poly(ADP-ribose) polymerase (PARP) activation. **Regul Toxicol Pharmacol**. 2011 Dec;61(3):310-7.
45. Tekcan M, Koksall IT, Tasatargil A, Kutlu O, Gungor E, **Celik-Ozenci C**. Potential Role of Poly(ADP-Ribose) Polymerase Activation in the Pathogenesis of Experimental Left Varicocele. **J Androl**. 2012 Jan-Feb;33(1):122-32
46. **Celik-Ozenci C**, Tasatargil A, Tekcan M, Sati L, Gungor E, Isbir M, Usta MF, Akar ME, Erler F. Effect of abamectin exposure on semen parameters indicative of reduced sperm maturity: a study on farmworkers in Antalya (Turkey). **Andrologia**, 2012 Dec;44(6):388-95.
47. Dalaklioglu S, Sahin P, Gungor Ordueri E, **Celik-Ozenci C**, Tasatargil A. Potential Role of Poly(ADP-Ribose) Polymerase (PARP) Activation in Methotrexate-Induced Nephrotoxicity and Tubular Apoptosis. **Int J Toxicol**. 2012 Sep-Oct;31(5):430-40.

48. Celik O, Kutlu O, Tekcan M, **Celik-Ozenci C**, T Koksali I. Role of TNF-related apoptosis-inducing ligand (TRAIL) in the pathogenesis of varicocele-induced testicular dysfunction. **Asian J Androl.** **2013**, 15:269-74.
49. Ercan S, Basaranlar G, Gungor NE, Kencebay C, Sahin P, **Celik-Ozenci C**, Derin N. Ghrelin Inhibits Sodium Metabisulfite Induced Oxidative Stress and Apoptosis In Rat Gastric Mucosa. **Food Chem Toxicol.** **2013**, 56:154-61.
50. **Celik-Ozenci C** and Tasatargil A. Role of Poly (AD-Ribose) Polymerases in male reproduction. **Spermatogenesis.** **2013**. Apr 1;3(2):e24194.
51. Dalaklioglu S, Kuscu N, **Celik-Ozenci C**, Bayram Z, Nacitarhan C, Ozdem SS. Chronic treatment with taurine ameliorates diabetes-induced dysfunction of nitric oxide-mediated neurogenic and endothelium-dependent corpus cavernosum relaxation in rats. **Fundam Clin Pharmacol.** **2014** Aug;28(4):394-404.
52. Dalaklioglu S, Sahin P, Tasatargil A, **Celik-Ozenci C**. Pravastatin improves the impaired nitric oxide-mediated neurogenic and endothelium-dependent relaxation of corpus cavernosum in aged rats. **Aging Male**, 2014 Dec;17(4):259-66.
53. Gungor-Ordueri NE, Mruk DD, Wan HT, Wong EW, **Celik-Ozenci C**, Lie PP, Cheng CY. New insights into FAK function and regulation during spermatogenesis. **Histol Histopathol.** **2014** Aug;29(8):977-89.
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48. S. Celik, S. Ozkavukcu, D. Adiguzel, **C. Celik-Ozenci** Ovarian tissue cryopreservation in prepubertal girls before chemotherapy seems to be efficient to preserve primordial follicle reserve as shown in a mouse model of vitrification and re-transplantation.
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51. Leyla Sati, Nilay Kuscü, Gizem Gamze Tas, Bikem Soygur, **Ciler Celik-Ozenci**. Comparison of the expression and localization of FoxO3 in normal term and gestational diabetic placentas. **Multinational Congress on Microscopy** September 24-29, 2017, Rovinj, Croatia.
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53. A Akman-Karakas, **C Celik-Ozenci**, D Kipmen-Korgun, NE Gungor-Ordueri, MA Ciftcioglu, E Alpsoy. Surfactant proteins in psoriasis vulgaris and lichen planus. **47th Annual ESDR (European Society Dermatological Research) Meeting, 27-30 September, 2017**, Salzburg, Austria.
54. Adiguzel D, Sahin PO, Ozkavukcu S, **Celik-Ozenci C.** Distinct Spatiotemporal Expression of FoxO1 in Peri-Implantation Mouse Uterus and Reduced Embryo Implantation After Its Functional Blockage. **The American Society for Reproductive Medicine Annual Conference, O-262**, 29 Oct-1 Nov, 2017, San Antonio/TX USA.

55. N. Gungor-Ordueri, H. Er, **C. Celik-Ozenci**, E. Erdem, S. Ozen. Electromagnetic field radiation lead to alteration of blood-testis barrier regulating protein levels in the rat testis. **American Society for Reproductive Medicine Annual Conference, P-549**, 29 Oct-1 Nov, **2017**, San Antonio/TX USA.
56. **Celik-Ozenci C**, Celik S, Ozkavukcu S, Can A. A mice model of fertility preservation for pre-pubertal girls: significant primordial follicle survival by cryopreservation, despite increased DNA break and decreased proliferation in granulosa cells both after chemotherapy and ovarian vitrification. **12th Biennial Alpha Conference, P-029**, 17-20 May, **2018**, Reykjavik, Iceland. REPRODUCTIVE BIOMEDICINE ONLINE 37 (2018) e4–e19.
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58. Celik S, Ozkavukcu S, **Celik-Ozenci C**. Rapamycin treatment can prevent primordial follicle loss after ovarian tissue cryopreservation/transplantation by mTOR pathway inhibition. **The 6th World Congress of the International Society for Fertility Preservation (ISFP)** New York, NY, November 14–16, **2019**.
59. **Celik-Ozenci C**. Stem cells for male infertility treatment: National perspective. **STEM CELLS for MALE INFERTILITY "She 4 He"**. 11-13 December 2019, Ankara, Turkey.
60. Bektas NI, Akcay G, Derin N, Adiguzel D, **Celik-Ozenci C**. Maternal circadian disruption is associated with impaired rhythmic expression of molecular clock genes and IUGR during placenta development in mice. **37th Virtual Annual Meeting of ESHRE** 26 June - 1 July 2021.
61. Kuscu N, Can A, Ozkavukcu S, **Celik-Ozenci C**. Precompaction mouse embryos show metabolic plasticity by upregulating glut1 expression under anoxic conditions. P-165. doi.org/10.1016/j.fertnstert.2021.07.494. **77th annual meeting of the American Society for Reproductive Medicine. Baltimore, USA.**
62. Avci S, Kuscu N, Durkut B, Kilinc L, Ustunel I, **Celik-Ozenci C**. Indomethacin can protect placental inflammation and delay preterm birth in the Ips-induced preterm delivery model. P-771. doi.org/10.1016/j.fertnstert.2021.07.1133. **77th annual meeting of the American Society for Reproductive Medicine. Baltimore, USA.**

On-going Grants:

Project Title	Funding source	Amount (USD)	Period	Role of the Applicant
Assessment of underlying mechanisms of intrauterine growth restriction in pregnant mice due to circadian rhythm disruption	TUBITAK [†] Project Number: 119S121	111.170,00	01/09/2019-01/09/2022	Principle Investigator
Evaluation of regulation of FoxO1 expression through HBEGF and AKT signaling during mouse embryo implantation	AUSRPU [#] Project Number: TDK-2019-5035	9.000,00	06/01/2020-06/04/2022	Principle Investigator
Evaluation of effect of rapamycin treatment on decidual cell subpopulation and endometrial receptivity in pathological decidualization due to abnormal senescence	AUSRPU Project Number: 5458	9.725,00	20/08/2021-20/08/2023	Principle Investigator
Investigation of the metabolic plasticity of the pre-compaction embryos through HIF-1, PFK and related pathways under anoxic conditions	TUBITAK Project Number: 220S712	6450,00	15/03/2021-15/03/2022	Advisor

Elucidation of the mast cell activity mechanism in the LPS-induced preterm delivery model and H1 histamine antagonist administration to prevent it	TUBITAK Project Number: 121S341	37.500,00 USD	15/07/2021- 15/04/2023	Advisor
Investigation of the clinical efficacy of novel imaging technology to improve the success of micro-TESE in male infertility	TUBITAK Project Number: 1005-220S712	300.000,00 USD	15/09/2021- 15/09/2023	Researcher
Investigation of the expression of molecular clock genes in penile cavernous tissue: is there a penile circadian clock?	TUBITAK Project Number: 321S027	12.000,00 USD	15/12/2021- 15/12/2022	Advisor

Grant applications (as Principal Investigator):

Project Title	Funding source	Amount (USD)	Period
Effects of maternal circadian rhythm disruption on maternal, fetal, placental, and offspring health: Disintegrating early causal pathways of IUGR in a life-course perspective Acronym: CIRCA-LIFE	European Union Horizon 2023, Excellent Science ERC Advanced Grant Submitted and reviewed by the panel in 2020.	3.000.000,00	Will be submitted in 2023

AUSRPU: Akdeniz University Scientific Research Projects Unit

† TUBITAK: The Scientific and Technological Research Council of Turkey