Assoc. Prof. SİNAN GÜVEN

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Education Information

Doctorate, Universitaet Basel (University of Basel), Switzerland 2007 - 2011
Postgraduate, Middle East Technical University, Graduate School Of Natural And Applied Sciences, Biyoteknoloji (Yl) (Tezli), Turkey 2004 - 2006
Undergraduate, Middle East Technical University, Fen-Edebiyat Fakültesi, Kimya Bölümü, Turkey 1998 - 2003

Foreign Languages

English, C1 Advanced

Dissertations

Doctorate, Towards clinical translation of upscaled osteogenic grafts using human adipose tissue progenitors, Universitaet Basel (University of Basel), 2011
Postgraduate, Integrated biomimetic scaffolds for soft tissue engineering, Middle East Technical University, Fen Bilimleri Enstitüsü, Biyoteknoloji (Yl) (Tezli), 2006

Research Areas

Health Sciences, Natural Sciences, Engineering and Technology

Academic Titles / Tasks

Associate Professor, Dokuz Eylul University, Tıp Fakültesi, Temel Tıp Bilimleri Bölümü, 2015 - Continues
Research Assistant, Hacettepe University, Eczacılık Fakültesi, Temel Eczacılık Bilimleri Bölümü, 2004 - 2007

Courses

Sağlıkta Biyomühendislik Uygulamaları, Doctorate, 2022 - 2023, 2019 - 2020

Assembly Techniques in Bottom-Up Tissue Engineering, Doctorate, 2021 - 2022
STEM CELL MICROENVIRONMENT, Doctorate, 2022 - 2023, 2021 - 2022
Çip Üstü Laboratuvar Sistemlerinin Biyotıpta Kullanımı, Postgraduate, 2020 - 2021
Laboratuvar araştırmalarını planlama ve uygulama, Undergraduate, 2017 - 2018, 2016 - 2017
Biomaterial and Tissue Engineering, Postgraduate, 2017 - 2018
BİOENGİNEERİNG İN MEDİCİNE, Doctorate, 2017 - 2018, 2016 - 2017
Sinir Bilimleri Bloğu ÖÇM, Undergraduate, 2016 - 2017
GIS Bloğu ÖÇM, Undergraduate, 2016 - 2017
Kan Enfeksiyon Bloğu, Undergraduate, 2016 - 2017
Hücre rejenerasyonunun moleküler temelleri, Undergraduate, 2016 - 2017
Biomaterials and Tissue Engineering, Postgraduate, 2016 - 2017
Tıp Bilimlerine Giriş bloğu ÖÇM, Undergraduate, 2016 - 2017
Deri Lokomotor, Undergraduate, 2016 - 2017
Okaryot Hücre Membran Sistemleri, Doctorate, 2015 - 2016
Programa Dayalı Öğretim, Undergraduate, 2015 - 2016

Advising Theses

GÜVEN S., Maküler kornea distrofisinin mikroakışkan platform içerisinde in vitro hastalık modellenmesi, Postgraduate, İ.DUMAN(Student), 2022

Published journal articles indexed by SCI, SSCI, and AHCI

I. **Generation of Anterior Segment of the Eye Cells from hiPSCs in Microfluidic Platforms**
Koçak G., Uyulgan S., Polatlı E., Sarı V., Kahveci B., Bursali A., Binokay L., REÇBER T., NEMUTLU E., Mardinoğlu A., et al.
Advanced Biology, 2024 (SCI-Expanded)

II. **Development of lacrimal gland organoids from iPSC derived multizonal ocular cells.**
Asal M., Koçak G., Sarı V., Reçber T., Nemutlu E., Utine C. A., Güven S.
Frontiers in cell and developmental biology, vol.10, pp.1058846, 2023 (SCI-Expanded)

III. **Bioengineering Bone-on-a-Chip Model Harnessing Osteoblastic and Osteoclastic Resolution**
Erbay I. H., Polatli E., Koç A. C., Özbilgiç R., Karaman O., Güven S.
ADVANCED ENGINEERING MATERIALS, vol.2201063, no.2201063, pp.1-10, 2023 (SCI-Expanded)

IV. **Hydrogen peroxide signaling modulates neuronal differentiation via microglial polarization and Wnt/β- catenin pathway**
Engur D., Ercan I., Kiser C., Tufekci K., Soy S., Micili S., Ozhan G., Guven S., Kumral A., GENÇ Ş.
EUROPEAN REVIEW FOR MEDICAL AND PHARMACOLOGICAL SCIENCES, no.11, pp.5083-5096, 2023 (SCI-Expanded)

V. **Current methodology and cell sources for lacrimal gland tissue engineering.**
Kasal K., Güven S., Utine C. A.
Experimental eye research, pp.109138, 2022 (SCI-Expanded)

VI. **VEGF Over-Expression by Engineered BMSC Accelerates Functional Perfusion, Improving Tissue Density and In-Growth in Clinical-Size Osteogenic Grafts**
Largo R. D., Burger M. G., Harschnitz O., Waschkies C. F., Grosso A., Scotti C., Kaempfen A., Gueven S., Jundt G., Scherberich A., et al.
FRONTIERS IN BIOENGINEERING AND BIOTECHNOLOGY, vol.8, 2020 (SCI-Expanded)

VII. **Tissue Engineering of 3D Organotypic Microtissues by Acoustic Assembly**
Zhu Y., Serpooshan V., Wu S., Demirci U., Chen P., GÜVEN S.
ORGANOIDS, vol.1576, pp.301-312, 2019 (SCI-Expanded)

VIII. **Dynamic Microenvironment Induces Phenotypic Plasticity of Esophageal Cancer Cells Under Flow**
Kocal G., Güven S., Foygel K., Goldman A., Chen P., Sengupta S., Paulmurugan R., Başbınar Y., Demirci U.
SCIENTIFIC REPORTS, vol.6, 2016 (SCI-Expanded)

IX. **Implantation of Stromal Vascular Fraction Progenitors at Bone Fracture Sites: From a Rat Model to a First-in-Man Study**
Saxer F., Scherberich A., Todorov A., Studer P., Miot S., Schreiner S., GÜVEN S., Tchang L. A. H., Haug M., Heberer M., et al.
STEM CELLS, vol.34, no.12, pp.2956-2966, 2016 (SCI-Expanded)

X. **Fluid flow mediates epithelial-mesenchymal transition and negative regulation of apoptosis in colorectal cancer cells**
Çalıbaşı Koçal G., Güven S., Chen P., Durmuş G., Demirci U., Başbınar Y.
Febs Journal, vol.283, no.suppl 1, pp.89-90, 2016 (SCI-Expanded)

XI. **Microfluidic cell culture alters the behavior of cancer cell by mimicking dynamic tumor microenvironment**
Başbınar Y., Çalıbaşı Koçal G., Yıldırım N., Güven S., Demirci U.
Febs Journal, vol.283, no.suppl 1, pp.350, 2016 (SCI-Expanded)

XII. **Towards artificial tissue models: past, present, and future of 3D bioprinting**
Arslan-Yildiz A., El Assal R., Chen P., GÜVEN S., Inci F., Demirci U.
BIOFABRICATION, vol.8, no.1, 2016 (SCI-Expanded)

XIII. **Recapitulating cranial osteogenesis with neural crest cells in 3-D microenvironments**
Namkoong B., GÜVEN S., Ramesan S., Liaudanskaya V., Abzhanov A., Demirci U.
ACTA BIOMATERIALIA, vol.31, pp.301-311, 2016 (SCI-Expanded)

XIV. **A Bio-Acoustic Levitational (BAL) Assembly Method for Engineering of Multilayered, 3D Brain-Like Constructs, Using Human Embryonic Stem Cell Derived Neuro-Progenitors**
Bouyer C., Chen P., GÜVEN S., DEMİRTAŞ T. T., Nieland T. J. F., Padilla F., Demirci U.
Advanced Materials, vol.28, no.1, pp.161-167, 2016 (SCI-Expanded)

XV. **Deformation of a single mouse oocyte in a constricted microfluidic channel**
Luo Z., GÜVEN S., Gozen I., Chen P., Tasoglu S., Anchan R. M., Bai B., Demirci U.
Microfluidics and Nanofluidics, vol.19, no.4, pp.883-890, 2015 (SCI-Expanded)

XVI. **microfluidic regulation of cancer phenotype**
Çalıbaşı Koçal G., Güven S., Foygel K., Chen P., Goldman A., Sengupta S., Palmuragen R., Başbınar Y., Demirci U.
TISSUE ENGINEERING, vol.21, no.s1, pp.272-273, 2015 (SCI-Expanded)

XVII. **Magnetic Levitational Assembly for Living Material Fabrication**
Tasoglu S., Yu C. H., Liaudanskaya V., GÜVEN S., Migliaresi C., Demirci U.
ADVANCED HEALTHCARE MATERIALS, vol.4, no.10, pp.1469-1476, 2015 (SCI-Expanded)

XVIII. **Magnetic levitation of single cells**
Durmus N. G., Tekin C., Güven S., Sridhar K., Yildiz A. A., Çalıbaşı Koçal G., Ghiran I., Davis R. W., Steinmetz L. M., Demirci U.
PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF THE UNITED STATES OF AMERICA, vol.112, no.28, 2015 (SCI-Expanded)

XIX. **Multiscale assembly for tissue engineering and regenerative medicine**
GÜVEN S., Chen P., Inci F., Tasoglu S., ERKMEN B., Demirci U.
TRENDS IN BIOTECHNOLOGY, vol.33, no.5, pp.269-279, 2015 (SCI-Expanded)

XX. **Functional Maintenance of Differentiated Embryoid Bodies in Microfluidic Systems: A Platform for Personalized Medicine**
GÜVEN S., Lindsey J. S., Poudel I., Chinthala S., Nickerson M. D., Gerami-Naini B., Gurkan U. A., Anchan R. M., Demirci U.
STEM CELLS TRANSLATIONAL MEDICINE, vol.4, no.3, pp.261-268, 2015 (SCI-Expanded)

XXI. **Bio-Inspired Cryo-Ink Preserves Red Blood Cell Phenotype and Function During Nanoliter Vitrification**
El Assal R., GÜVEN S., Gurkan U. A., Gozen I., Shafiee H., Dalbeyler S., Abdalla N., Thomas G., Fuld W., Illigens B. M. W.,

et al.
ADVANCED MATERIALS, vol.26, no.33, pp.5815-5822, 2014 (SCI-Expanded)

XXII. **Guided and magnetic self-assembly of tunable magnetoceptive gels**
Tasoglu S., Yu C. H., Gungordu H. I., GÜVEN S., Vural T., Demirci U.
NATURE COMMUNICATIONS, vol.5, 2014 (SCI-Expanded)

XXIII. **Evaluation of Epithelial Chimerism After Bone Marrow Mesenchymal Stromal Cell Infusion in Intestinal Transplant Patients**
Kilinc S., Gurkan U. A., GÜVEN S., Koyuncu G., Tan S., Karaca C., Ozdogan O., DOĞAN S. M., Tugmen C., Pala E. E., et al.
TRANSPLANTATION PROCEEDINGS, vol.46, no.6, pp.2125-2132, 2014 (SCI-Expanded)

XXIV. **Bone formation after implantation of composite grafts with non-expanded adipose tissue derived human vascular fraction cells at an orthotopic implantation site**
Saxer F., GÜVEN S., Tchang L., Jakob M., Papdimitropolous A., Rechsteiner J., Vinzenz F., Dieter W., Todorov A., Martin I., et al.
SWISS MEDICAL WEEKLY, vol.144, 2014 (SCI-Expanded)

XXV. **Robotic assembly of hydrogels for tissue engineering and regenerative medicine**
Tasoglu S., Diller E., GÜVEN S., Sitti M., Demirci U.
JOURNAL OF TISSUE ENGINEERING AND REGENERATIVE MEDICINE, vol.8, pp.181-182, 2014 (SCI-Expanded)

XXVI. **Untethered micro-robotic coding of three-dimensional material composition**
Tasoglu S., Diller E., GÜVEN S., Sitti M., Demirci U.
NATURE COMMUNICATIONS, vol.5, 2014 (SCI-Expanded)

XXVII. **Paramagnetic Levitational Assembly of Hydrogels**
Tasoglu S., Kavaz D., Gurkan U. A., GÜVEN S., Chen P., Zheng R., Demirci U.
ADVANCED MATERIALS, vol.25, no.8, pp.1137-1143, 2013 (SCI-Expanded)

XXVIII. **Integrating nanoscale technologies with cryogenics: a step towards improved biopreservation**
GÜVEN S., Demirci U.
NANOMEDICINE, vol.7, no.12, pp.1787-1789, 2012 (SCI-Expanded)

XXIX. **TOWARDS AN INTRAOPERATIVE ENGINEERING OF OSTEOGENIC AND VASCULOGENIC GRAFTS FROM THE STROMAL VASCULAR FRACTION OF HUMAN ADIPOSE TISSUE**
Mueller A. M., Mehrkens A., Schaefer D. J., Jaquiery C., GÜVEN S., Lehmicke M., Martinetti R., Farhadi I., Jakob M., Scherberich A., et al.
EUROPEAN CELLS & MATERIALS, vol.19, pp.127-135, 2010 (SCI-Expanded)

Books & Book Chapters

I. **Stem cells: sources, properties, and cell types**
Asal M., Güven S.
in: Biomaterials for Organ and Tissue Regeneration, Nihal Engin Vrana,Helena Knopf-Marques,Julien Barthes, Editor, Woodhead Publishing Limited , Washington, pp.177-196, 2020

II. **Mikroakışkan Sistemlerde Kanser Modelleri**
Aydar A. Ö., GÜVEN S.
in: İleri Biyomalzemeler: Biyomalzeme ve Nanomalzeme Uygulamaları, Filiz Kuralay, Editor, Hacettepe Üniversitesi, Ankara, pp.209-224, 2018

III. **Microvascular Networks and Models, Invitro Formation**
Blache U., Guerrero J., GÜVEN S., Klar A. S., Scherberich A.
in: Vascularization for Tissue Engineering and Regenerative Medicine, Holnthoner, W., Banfi, A., Kirkpatrick, J., Redl, H., Editor, Springer International Publishing, New York, pp.1-40, 2018

IV. **Hydrogels as a New Platform to Recapitulate the Tumor Microenvironment (Chapter 15)**
ERMİŞ ŞEN M., ÇALAMAK S., ÇALIBAŞI G., GÜVEN S., Durmuş N. G., Rizvi I., Hasan T., HASIRCI N., HASIRCI V. N., Demirci U.
in: Handbook of Nanomaterials for Cancer Theranostics, João Conde, Editor, Elsevier, Cambridge, pp.463-494,

2018

V. **Bölüm 11. Mikroakışkan Sistemler ve Doku Mühendisliği**
Erbay İ. H., Baş A. K., Asal M., Yanık H., GÜVEN S.
in: İLERİ BİYOMALZEMELER: BİYOMALZEME VE NANOMALZEME UYGULAMALARI, Filiz Kuralay, Editor, Hacettepe Üniversitesi, Ankara, pp.185-208, 2018

VI. **Cell-encapsulating hydrogels for biosensing**
Chen P., Wang S., İnci F., GÜVEN S., Taşoğlu S., Demirci U.
in: Gels Handbook Vol 3 Applications of Hydrogels in Drug Delivery and Biosensors, Khademhoseini A, Demirci U, Editor, World Scientific Publishing , pp.327-356, 2016

VII. **Organ Printing and Cell Encapsulation**
Taşoğlu S., Gürkan U. A., GÜVEN S., Demirci U.
in: Scaffolds for Tissue Engineering Biological Design Materials and Fabrication, , Editor, Pan Stanford, pp.491-528, 2014

VIII. **In Vitro Three-Dimensional Cancer Culture Models**
Asghar W., Shafiee H., Chen P., Taşoğlu S., GÜVEN S., Gürkan U. A., Demirci U.
in: Cancer Targeted Drug Delivery An Elusive Dream, You Han Bae, Randall J. Mrsny, Kinam Park, Editor, Springer, pp.635-665, 2013

Refereed Congress / Symposium Publications in Proceedings

I. **On-chip platform for derivation of ocular cells from hiPSCs**
Kocak G., Uyulgan S., Polatli E., Sari V., Kahveci B., Bursali A., REÇBER T., NEMUTLU E., Mardinoglu A., Karakulah G., et al.
European Chapter of the Tissue-Engineering-and-Regenerative-Medicine-International-Society (TERMIS), Manchester, England, 28 - 31 March 2023

II. **Organoid Models in Basic Sciences**
Güven S.
HÜCREDEN ORGANA MODELLEME SEMPOZYUMU, İzmir, Turkey, 16 June 2023

III. **On-Chip Lacrimal Gland Organoids from Human iPSCs**
Güven S., Yıldırım C. A., Karakülah G., Nemutlu E., Reçber T.
BaCell 3D - Building Advanced multiCellular systems in 3D, Basel, Switzerland, 8 - 09 May 2023, pp.64-65

IV. **Organ-on-a-chip Platforms for Drug Screening**
Güven S.
International Multidisciplinary Symposium on Drug Research and Development (DRD) 2023, İzmir, Turkey, 4 - 06 May 2023, pp.1

V. **Organoid platforms for eye research**
Güven S.
5th NOVEL FLUIDIC TECHNOLOGIES WORKSHOP WITH AN EMPHASIS ON TISSUE ENGINEERING, İzmir, Turkey, 4 - 05 May 2023, pp.32

VI. **Kök Hücreler, Biyomalzemeler ve Doku Mühendisliği**
GÜVEN S.
Biyomed Haftası, İzmir, Turkey, 06 December 2022

VII. **Biomimetic peptide-conjugated membranes for developing an artificial cornea**
Sunal G., PULAT G., AKGÜN İ. H., GÜVEN S., YILDIZ Ü. H., KARAMAN O., HORZUM POLAT N.
2022 Medical Technologies Congress (TIPTEKNO), 31 October - 02 November 2022

VIII. **Transcriptomic profiling of induced pluripotent stem cell derived eye field cells**
Kahveci B., KOÇAK G., YILDIRIM C. A., Mardinoğlu A., KARAKÜLAH G., GÜVEN S.
15th International Symposium on Health Informatics and Bioinformatics, Mersin, Turkey, 20 - 21 October 2022

IX. **Metabolomics analysis of iPSCs derived organoids**
Sarı V., KOÇAK G., REÇBER T., KARAKÜLAH G., YILDIRIM C. A., NEMUTLU E., GÜVEN S.

15th International Symposium on Health Informatics and Bioinformatics, Mersin, Turkey, 20 - 21 October 2022

X. **The Role of Autophagy on Differentiation of Corneal Endothelial Cells from hiPSCs**
KOÇAK G., Cakiroglu E., YILDIRIM C. A., ŞENTÜRK Ş., GÜVEN S.
8th International Congress of the Molecular Biology Association of Turkey, İstanbul, Turkey, 9 - 12 June 2022

XI. **Human Induced Pluripotent Stem Cell (iPSC) derived Corneal Epithelium**
Koç A. C., YILDIRIM C. A., GÜVEN S.
8th International Congress of the Molecular Biology Association of Turkey, İstanbul, Turkey, 9 - 12 June 2022

XII. **Induced Pluripotent Stem Cell Derived Neurons with Dual SMAD Inhibition**
Polatlı E., GÜVEN S.
8th International Congress of the Molecular Biology Association of Turkey, İstanbul, Turkey, 9 - 12 June 2022

XIII. **Lakrimal bez doku mühendisliğine yönelik uygunksenojenik hücre kaynağı araştırılması**
KASAL K., BAŞ A. K., ASAL M., YILDIRIM C. A., GÜVEN S.
TOD 2020 SANAL ULUSAL KONGRESİ VE CANLI CERRAHİ BİLEŞİK TOPLANTISI, Turkey, 9 - 13 December 2020

XIV. **Induced Pluripotent Stem Cells Derived Lacrimal Gland**
YILDIRIM C. A., ASAL M., GÜVEN S.
ARVO Annual Meeting, Baltimore, United States Of America, 3 - 07 May 2020, vol.61, pp.2623

XV. **Lacrimal gland on chip derived from induced pluripotent stem cells**
ASAL M., YILDIRIM C. A., GÜVEN S.
European Molecular Biology Laboratory (EMBL) Institute for Bioengineering of Catalonia (IBEC), Barcelona, Spain, 10 - 12 February 2020

XVI. **Osteogenic Niche Under Dynamic Culture Conditions with Microfluidic Bioreactors**
Erbay İ. H., KARAMAN O., GÜVEN S.
24th Biomedical Science and Technology Symposium (BIOMED2019), Çeşme/İzmir, Turkey, 17 - 20 October 2019

XVII. **Induced pluripotent stem cells (iPSC) derived lacrimal gland.**
ASAL M., YILDIRIM C. A., GÜVEN S.
BIOMED 2019 24. Uluslararası Biyomedikal Bilim ve Teknoloji Sempozyumu, İzmir, Turkey, 17 - 20 October 2019

XVIII. **Bioengineering of lacrimal gland in microfluidics**
BAŞ A. K., ASAL M., KASAL K., AKBULUD O. B., YILDIRIM C. A., GÜVEN S.
BIOMED 2019 24. Biyomedikal Bilim ve Teknoloji Sempozyumu, İzmir, Turkey, 17 - 20 October 2019

XIX. **Doku Mühendisliği Yöntemiyle Kök Hücreler Kullanarak Lakrimal Bezin Geliştirilmesi**
Baş A. K., Yanık H., Akbulud O. B., YILDIRIM C. A., GÜVEN S.
4. Biyomalzeme Günleri Yalova, Turkey, 19 - 20 October 2017

XX. **Mikroakışkan Sistemler ile Kemik-Kıkırdak Arayüzü Modellenmesi**
Yanık H., Akbulud O. B., Baş A. K., GÜVEN S.
4. Biyomalzeme Günler Yalova, Turkey, 19 - 20 October 2017

XXI. **Microfluidic osteochondral interface**
Yanık H., Baş A. K., Akbulud O. B., GÜVEN S.
TERMIS-EU 2017, 26 - 30 June 2017, vol.33, pp.356

XXII. **Regulation of angiogenesis and apoptosis support the fluid flow induced EMT in microfluidics based colorectal cancer culture model**
Çalıbaşı Koçal G., Güven S., Chen P., Durmuş N. G., Çakıroğlu E., Demirci U., Baskın Y.
Euromedlab Athens-2017, Athens, Greece, 11 - 15 June 2017, vol.55, pp.194

XXIII. **Neurodegenerative Disease Modeling in 3D Microfluidic System**
Akbulud O. B., Yanık H., Baş A. K., GÜVEN S.
22. Uluslararası Biyomedikal Bilim ve Teknoloji Sempozyumu, 12 - 14 May 2017

XXIV. **Generation of Bone-Cartilage Interface in Microfluidic System**
Yanık H., Akbulud O. B., Baş A. K., GÜVEN S.
22. Uluslararası Biyomedikal Bilim ve Teknoloji Sempozyumu, 12 - 14 May 2017

XXV. **Microfluidic Regulation of Cancer Phenotype**
ÇALIBAŞI G., GÜVEN S., Foygel K., Chen P., Goldman A., Sengupta S., Paulmurugan R., BASKIN Y., Demirci U.
4th TERMIS World Congress, Boston, United States Of America, 8 September - 11 June 2015, vol.21, pp.1-413

XXVI. **Molecular analysis of the metastatic phenotype on the microfluidic flow mediated EMT of the colorectal cancer cells**
ÇALIBAŞI G., GÜVEN S., Chen P., Durmuş N. G., BASKIN Y., Demirci U.
4th International Congress on Molecular Medicine, İzmir, Turkey, 20 - 22 May 2015, pp.169

XXVII. **Genomic Analysis of Flow Induced EMT in Colorectal Cancer Cells**
ÇALIBAŞI G., GÜVEN S., Durmuş N. G., ÇALAMAK S., Chen P., BASKIN Y., Demirci U.
Canary Symposium, Palo Alto, United States Of America, 5 - 07 May 2015

Supported Projects

ŞENTÜRK Ş., UÇAN E. S., KARAÇAM V., ÖMEROĞLU ŞİMŞEK G., ÇAKIROĞLU E., GÜVEN S., KARAKÜLAH G., KALYONCU M., AKÇAM T. İ., CEYLAN K. C., et al., Project Supported by Higher Education Institutions, Malign Plevral Mezotelyoma ÇipÜstüTümöroid Modelinin Translasyonel ve Preklinik Etkinliğinin BUB1 ve RUVBL1 İnhibisyonu Ekseninde Araştırılması, 2024 - Continues

GÜVEN S., KARAKÜLAH G., GENÇ Ş., POLATLI E., KAHVECİ B., Project Supported by Higher Education Institutions, İnsan İndüklenmiş Pluripotent Kök Hücre Kökenli Beyin Organoidlerinin Makine Öğrenmesi Destekli Mikroakışkan Sistemde Geliştirilmesi, 2023 - Continues

YILDIRIM C. A., GÜVEN S., TÜBA Project, DOKU MÜHENDİSLİĞİ YÖNTEMİYLE KÖK HÜCRELER KULLANARAK LAKRİMAL (GÖZYAŞI) BEZİN GELİŞTİRİLMESİ, 2018 - Continues

Güven S., Yıldırım C. A., Karakülah G., Palamar Onay M., Yaman B., Özgüney I., Project Supported by Higher Education Institutions, Oküler Yüzey Skuamöz Hücre Tümöroidi Geliştirilmesi ve In Vitro İlaç Test Platformu Olarak Değerlendirilmesi, 2024 - 2026

Güven S., Tekin H. C., TUBITAK Project, Mikro akışkan sistem üzerinde manyetik levitasyon yöntemi ile sferoit kültürü ve ilaç testi, 2022 - 2026

Güven S., TUBITAK Project, FONKSİYONEL LAKRİMAL ORGANOİD ELDESİ İÇİN MORFOGENEZ ODAKLI MİKROFİZYOLOJİK ÇEVRE GELİŞTİRİLMESİ, 2022 - 2025

Güven S., Emergency R&D Project of Group A, Pluripotent kök hücrelerden geliştirilen oküler yapılarda otofajinin etkileri, 2023 - 2024

Güven S., Ertekin G., TUBITAK Project, Developing of Hydrogel Impregnated Auxetic Knitted Bandages for Sports Injuries, 2022 - 2024

Güven S., TUBITAK Project, Aak-Insight Aniridia - Kornea Opaklaşmasının Önlenmesine Yada Tedavi Edilmesine Yönelik Yenilikçi Terapötik Yöntemler, 2021 - 2024

Sağ D., Güven S., TUBITAK Project, Kornea Endoteli Dokusunun Kök Hücre ve Biyomühendislik Yaklasımlarıyla Geliştirilmesi, 2020 - 2023

Güven S., Tozburun S., TUBITAK Project, Kornea Endoteli Dokusunun Kök Hücre ve Biyomühendislik Yaklasımlarıyla Geliştirilmesi, 2020 - 2023

Çoban H. B., Yıldırım C. A., BAĞRIYANIK H. A., GÜVEN S., TUBITAK Project, Maküler Kornea Distrofisi için yeni bir topikal tedavi yönteminin geliştirilmesi, 2019 - 2022

Güven S., Oktay Y., TUBITAK Project, Gliom Oluşumunda Rol Oynayan Kalıcı Epigenomik Değişimlerin Idh1-Tert-Myc Ekseninde Karakterizasyonu, 2018 - 2022

Sağ D., Güven S., TUBITAK Project, Mikroakışkan Biyoreaktörler Kullanılarak Dinamik Kültür Koşullarında Osteojenik Niş Geliştirilmesi, 2018 - 2021

Güven S., Bağrıyanık H. A., Yıldırım C. A., TUBITAK Project, İndüklenmiş Pluripotent Kök Hücre (iPKH) Kaynaklı Kornea Organoid Modellerinin Geliştirilmesi, 2018 - 2021

Güven S., TUBITAK Project, Kök Hücreler Kullanarak Doku Mühendisliği Yöntemiyle Mikro Akışkan Çiplerde Kemik-Kıkırdak Ara yüzü Modelinin Geliştirilmesi, 2015 - 2017

Activities in Scientific Journals

FRONTIERS IN BIOENGINEERING AND BIOTECHNOLOGY, Evaluation Committee Member, 2021 - Continues

Scientific Refereeing

STEM CELL RESEARCH AND THERAPY, Journal Indexed in SCI-E, March 2024
STEM CELL RESEARCH AND THERAPY, Journal Indexed in SCI-E, January 2024
STEM CELL RESEARCH AND THERAPY, Journal Indexed in SCI-E, October 2023
FRONTIERS IN BIOENGINEERING AND BIOTECHNOLOGY, Journal Indexed in SCI-E, January 2023

Scientific Consultations

Ege Üniversitesi, Project Consultancy, Dokuz Eylul University, Tıp Fakültesi, Temel Tıp Bilimleri Bölümü, Turkey, 2022 - Continues

Tasks In Event Organizations

Çalıbaşı Koçal G., Güven S., Mikroakışkan Sistemlerin Sağlıkta Uygulamaları Çalıştayı, Workshop Organization, İzmir, Turkey, Mayıs 2021

Metrics

Publication: 87
Citation (WoS): 2181
Citation (Scopus): 3228
H-Index (WoS): 25
H-Index (Scopus): 27

Congress and Symposium Activities

BACELL 3D – BUILDING ADVANCED MULTICELLULAR SYSTEMS IN 3D, Attendee, Basel, Switzerland, 2023
Tissue Engineering and Regenerative Medicine Society EU Chapter Conference, Audience, Manchester, England, 2023

Awards

Güven S., TÜSEB Aziz Sancar Teşvik Ödülü, Tüseb, October 2018
Güven S., Bilim Akademisi Genç Bilim İnsanları Ödül Programı (BAGEP), Bilim Akademisi, September 2017
Güven S., TÜBA GEBİP, Tüba, December 2016