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Personal Information

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International Researcher IDs

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Publons / Web Of Science ResearcherID: J-1550-2013

ScopusID: 57223248935

Yoksis Researcher ID: 42875

Education Information

Doctorate, Laval Üniversitesi, -, Biyokimya, Canada 2008 - 2012

Postgraduate, Ankara University, Institute Of Biotechnology, Turkey 2005 - 2007

Foreign Languages

English, C1 Advanced

French, C1 Advanced

Dissertations

Doctorate, ÉTUDE DE LA DIFFÉRENCIATION DES CELLULES SOUCHES HÉMATOPOIÉTIQUES DANS DIFFÉRENTS ENVIRONNEMENTS, Laval Üniversitesi, Biyokimya, 2012

Postgraduate, Sıçan kemik iliği mezenkimal kök hücrelerinin proteom incelemesi, Ankara Üniversitesi, Biyoteknoloji Enstitüsü, Temel Biyoteknoloji (YI) (Tezli), 2007

Research Areas

Medicine, Health Sciences, Fundamental Medical Sciences, Biochemistry, Life Sciences, Biochemistry, Proteomics, Biotechnology, Biomaterial, Bioreactor, Natural Sciences

Academic Titles / Tasks

Professor, Hacettepe University, Sağlık Bilimleri Enstitüsü, Kök Hücre Bilimleri A.B.D., 2023 - Continues

Associate Professor, Hacettepe University, Sağlık Bilimleri Enstitüsü, Kök Hücre Bilimleri A.B.D., 2018 - 2023

Assistant Professor, Hacettepe University, Sağlık Bilimleri Enstitüsü, Kök Hücre Bilimleri A.B.D., 2017 - 2018

Lecturer, Hacettepe University, Sağlık Bilimleri Enstitüsü, Kök Hücre Bilimleri A.B.D., 2013 - 2017

Academic and Administrative Experience

Head of Department, Hacettepe University, Sağlık Bilimleri Enstitüsü, Kök Hücre Bilimleri A.B.D., 2024 - Continues

Bölüm Akademik Teşvik Değerlendirme Komisyonu Üyesi, Hacettepe University, Sağlık Bilimleri Enstitüsü, Kök Hücre Bilimleri A.B.D., 2021 - Continues

Birim Kalite Komisyonu Üyesi, Hacettepe University, Sağlık Bilimleri Enstitüsü, Kök Hücre Bilimleri A.B.D., 2020 - Continues

Anabilim Dalı Akademik Kurul Üyesi, Hacettepe University, Sağlık Bilimleri Enstitüsü, Kök Hücre Bilimleri A.B.D., 2013 - Continues

Ethics Committee Member, Hacettepe University, Sağlık Bilimleri Enstitüsü, Kök Hücre Bilimleri A.B.D., 2020 - 2024

Courses

BİYOMEKANİK ve BİYOMEDİKAL UYGULAMALAR, Doctorate, 2019 - 2020

KÖK HÜCRE BİLİMLERİNDE TEMEL KAVRAMLAR, Doctorate, 2019 - 2020

KHB601:KÖK HÜCRE VE HÜCRESEL TEDAVİ : TEMEL KAVRAMLAR-DOKU MÜHENDİSLİĞİ, Postgraduate, 2016 - 2017

KHB604:GELİŞİMİN TEMEL İLKELERİ-EMBRYO VE FETÜS KAYNAKLI MULTİPOTENT KÖK HÜCRELER I, Postgraduate, 2016 - 2017

KHB604:GELİŞİMİN TEMEL İLKELERİ-MEZODERMİN İLERİ GELİŞİMİ, Postgraduate, 2016 - 2017

KHB602-KÖK HÜCRE YAPISININ MOLEKÜLER ESASLARI-Doku oluşumu ve mikroçevresel etkileşimler , Postgraduate, 2016 - 2017

KÖK HÜCREDE BİYOKİMYASAL ETKİLEŞİMLER, Postgraduate, 2016 - 2017

Advising Theses

Çelebi Saltık B., PROANTOSİYANİDİN TAŞIYAN NANOFİBERLERİN ÜRETİMİ VE DIŞ PULPASI KÖK HÜCRELERİNİN ODONTOBLASTİK FARKLILAŞMA POTANSİYELİ ÜZERİNE ETKİSİNİN İNCELENMESİ, Doctorate, E.BALLIKAYA(Student), Continues

Çelebi Saltık B., SİRKÜLE MEME KANSERİ KÖK HÜCRELERİNİN KEMİK METASTAZI SONRASI MTOR VE WNT İNHİBİTÖRLERİ İLE HEDEFLENMESİ, Doctorate, Ö.ALTUNDAĞ(Student), 2024

Çelebi Saltık B., MİKORNA-21 BASKILANMIŞ MEME KANSERİ KÖK HÜCRELERİNİN İNSAN KEMİK İLİĞİNDE İZOLE EDİLEN TELOSİTLER VE TELOSİT KAYNAKLI MİTOKONDRİLER İLE KO-KÜLTÜRÜ, Postgraduate, S.Babadağ(Student), 2023

Çelebi Saltık B., BAŞ BOYUN KANSERLİ HASTALARIN TÜKÜRÜK ÖRNEKLERİNDE İZOLE EDİLEN EKSOZOM VE BAKTERİLERİN, SAĞLIKLI KEMİK İLİĞİ MEZENKİMAL KÖK HÜCRELER ÜZERİNE ETKİLERİNİN DEĞERLENDİRİLMESİ, Postgraduate, M.BİLGİÇ(Student), 2022

Çelebi Saltık B., METHIONINE METABOLISM IN HUMAN FETAL, ADULT AND CANCER STEM CELLS, Postgraduate, Ö.Altundağ(Student), 2021

Çelebi Saltık B., İNSAN GÖBEK KORDON VENİ CD146+ HÜCRELERİN VE BU HÜCRELERDEN ELDE EDİLEN MATRİKS PROTEİNLERİNİN in vitro BİYOFİLM MODELLERİNDE DEĞERLENDİRİLMESİ, Postgraduate, N.KÜBRA(Student), 2019

ÇELEBİ SALTİK B., HÜCRE TABAKA MÜHENDİSLİĞİ İLE GÖBEK KORDONU PERİSİTLERİNDE ÜÇ BOYUTLU DAMAR GREFTİ ELDESİ, Doctorate, B.GÖKÇİNAR(Student), 2018

Jury Memberships

Post Graduate, Post Graduate, Hacettepe Üniversitesi, September, 2020

Post Graduate, Post Graduate, Hacettepe Üniversitesi, August, 2019

Post Graduate, Post Graduate, Hacettepe Üniversitesi, August, 2019

Post Graduate, Post Graduate, Hacettepe Üniversitesi, July, 2019

Appointment to Academic Staff-Assistant Professorship, Appointment Academic Staff, Hacettepe Üniversitesi, January,

2019

Appointment to Academic Staff-Assistant Professorship, Appointment Academic Staff, Hacettepe Üniversitesi, January, 2018

Doctoral Examination, Doctoral Examination, Hacettepe Üniversitesi, June, 2014

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Osteogenic Differentiation Capacity of Dental Pulp Stem Cells on 3D Printed Polyurethane/Boric Acid Scaffold**
Çelebi Saltık B., Babadağ S., Ballıkaya E., Pat S., Öteyaka M. Ö.
BIOLOGICAL TRACE ELEMENT RESEARCH, vol.202, no.4, pp.1446-1456, 2024 (SCI-Expanded)
- II. **Evaluation of Tumorigenic Properties of MDA-MB-231 Cancer Stem Cells Co-cultured with Telocytes and Telocyte-Derived Mitochondria Following miR-146a Inhibition**
Babadağ S., Altundağ Ö., Akkaya Ulum Z. Y., Çelebi Saltık B.
DNA AND CELL BIOLOGY, vol.1, no.5, pp.1-12, 2024 (SCI-Expanded)
- III. **Targeting resistant breast cancer stem cells in a three-dimensional culture model with oleuropein encapsulated in methacrylated alginate microparticles**
Altundağ Ö., Tutar R., Yüce E., Çelebi Saltık B.
DARU, vol.1, no.1, pp.1-13, 2024 (SCI-Expanded)
- IV. **Proanthocyanidin/ beta-cyclodextrin inclusion complex in electrospun polylactic acid nanofibers: Preparation, characterization and effects on dental pulp stem cells**
Ballıkaya E., Babadağ S., Tüzün İ., San Keskin N. O., Çelebi Saltık B.
ACS APPLIED POLYMER MATERIALS, vol.6, no.5, pp.2889-2901, 2024 (SCI-Expanded)
- V. **The role of telocytes and miR-21-5p in tumorigenicity and metastasis of breast cancer stem cells**
Babadağ S., Altundağ Ö., Akkaya Ulum Z. Y., Çelebi Saltık B.
MOLECULAR BIOLOGY REPORTS, vol.51, no.1, pp.1-13, 2024 (SCI-Expanded)
- VI. **Co- and triaxial electrospinning for stem cell-based bone regeneration.**
Altundağ Ö., Öteyaka M. Ö., Çelebi-Saltık B.
Current stem cell research & therapy, vol.19, pp.865-878, 2024 (SCI-Expanded)
- VII. **Approaches to vital pulp therapies**
Ballıkaya E., Çelebi Saltık B.
AUSTRALIAN ENDODONTIC JOURNAL, vol.49, no.1, pp.735-749, 2023 (SCI-Expanded)
- VIII. **In situ formation of biocompatible and ductile protein-based hydrogels via Michael addition reaction and visible light crosslinking**
Tutar R., Koken S. Y., Tuncaboşlu D. C., Çelebi Saltık B., Özeroğlu C.
NEW JOURNAL OF CHEMISTRY, vol.47, no.1, pp.10759-10769, 2023 (SCI-Expanded)
- IX. **Physico-chemical Properties and In vitro Cellular Response of Electrospun Polyurethane Nanofibers Enriched with Copper Chloride and Natural Fish Head Powder**
Çelebi-Saltık B., Hacıomeroglu Z., KART D., Unal H. H., ÖTEYAKA M. Ö.
FIBERS AND POLYMERS, vol.23, no.11, pp.3028-3038, 2022 (SCI-Expanded)
- X. **Modeling of Artificial 3D Human Placenta.**
Tutar R., Çelebi-Saltık B.
Cells, tissues, organs, vol.211, no.4, pp.527-536, 2022 (SCI-Expanded)
- XI. **Methionine affects the expression of pluripotency genes and protein levels associated with methionine metabolism in adult, fetal and cancer stem cells**
Altundağ Ö., Canpınar H., Çelebi Saltık B.
JOURNAL OF CELLULAR BIOCHEMISTRY, vol.123, no.2, pp.406-416, 2022 (SCI-Expanded)
- XII. **Dermal fibroblast cells interactions with single and triple bacterial-species biofilms**
Çelebi Saltık B., Kart D.
Molecular Biology Reports, vol.48, no.4, pp.3393-3404, 2021 (SCI-Expanded)

- XIII. **From Embryo to Adult: One Carbon Metabolism in Stem Cells.**
Altundag Ö., Çelebi-Saltik B.
Current stem cell research & therapy, vol.16, pp.175-188, 2021 (SCI-Expanded)
- XIV. **Microbial Stresses on Human Umbilical Cord Stem Cells**
Kart D., Çelebi-Saltik B.
CURRENT STEM CELL RESEARCH & THERAPY, vol.16, no.7, pp.801-808, 2021 (SCI-Expanded)
- XV. **Stem cell-based small-diameter vascular grafts in dynamic culture**
Celebi-Saltik B., Oteyaka M. O., Gokcinar-Yagci B.
CONNECTIVE TISSUE RESEARCH, vol.62, pp.151-163, 2021 (SCI-Expanded)
- XVI. **Different Aspects of Head and Neck Squamous Cell Carcinoma: Cancer Stem Cells, Their Niche and Targeted Therapy**
Bilgiç Küçüküven M., Çelebi Saltık B.
Current Stem Cell Research & Therapy, vol.1, no.1, pp.1-23, 2020 (SCI-Expanded)
- XVII. **A Patch of Detachable Hybrid Microneedle Depot for Localized Delivery of Mesenchymal Stem Cells in Regeneration Therapy**
Lee K., Xue Y., Lee J., Kim H., Liu Y., Tebon P., Sarikhani E., Sun W., Zhang S., Haghniaz R., et al.
Advanced Functional Materials, vol.30, no.23, 2020 (SCI-Expanded)
- XVIII. **Evaluation of the biofilm formation of Staphylococcus aureus and Pseudomonas aeruginosa on human umbilical cord CD146+stem cells and stem cell-based decellularized matrix**
Çankirili N., Kart D., Çelebi-Saltik B.
CELL AND TISSUE BANKING, vol.21, no.2, pp.215-231, 2020 (SCI-Expanded)
- XIX. **Transcriptome and proteome profiles of human umbilical cord vein CD146+ stem cells.**
Gökçinar-Yagci B., Karaosmanoglu B., Taskiran E., Çelebi-Saltik B.
Molecular biology reports, vol.47, pp.3833-3856, 2020 (SCI-Expanded)
- XX. **Skin Stem Cells, Their Niche and Tissue Engineering Approach for Skin Regeneration.**
Çankirili N., Altundag O., Çelebi-Saltik B.
Advances in experimental medicine and biology, vol.1212, pp.107-126, 2020 (SCI-Expanded)
- XXI. **Room-Temperature-Formed PEDOT:PSS Hydrogels Enable Injectable, Soft, and Healable Organic Bioelectronics.**
Zhang S., Chen Y., Liu H., Wang Z., Ling H., Wang C., Ni J., Saltik B., Wang X., Meng X., et al.
Advanced materials (Deerfield Beach, Fla.), vol.32, 2020 (SCI-Expanded)
- XXII. **Three-Dimensional Bioprinting of Functional Skeletal Muscle Tissue Using GelatinMethacryloyl-Alginate Bioinks.**
Seyedmahmoud R., Çelebi-Saltik B., Barros N., Nasiri R., Banton E., Shamloo A., Ashammakhi N., Dokmeci M., Ahadian S.
Micromachines, vol.10, 2019 (SCI-Expanded)
- XXIII. **3D printing of step-gradient nanocomposite hydrogels for controlled cell migration.**
Motealleh A., Çelebi-Saltik B., Ermis N., Nowak S., Khademhosseini A., Kehr N.
Biofabrication, vol.11, pp.45015, 2019 (SCI-Expanded)
- XXIV. **Microphysiological Systems: Next Generation Systems for Assessing Toxicity and Therapeutic Effects of Nanomaterials**
Ashammakhi N., Darabi M. A., Çelebi-Saltik B., Tutar R., Hartel M. C., Lee J., Hussein S. M., Goudie M. J., Cornelius M. B., Dokmeci M. R., et al.
Small Methods, 2019 (SCI-Expanded)
- XXV. **Generation of human umbilical cord vein CD146+ perivascular cell originated three-dimensional vascular construct.**
GÖKÇINAR-YAGCI B., Yersal N., Korkusuz P., Çelebi-Saltik B.
Microvascular research, vol.118, pp.101-112, 2018 (SCI-Expanded)
- XXVI. **Pericytes in Tissue Engineering.**
Çelebi-Saltik B.
Advances in experimental medicine and biology, vol.1109, pp.125-137, 2018 (SCI-Expanded)

- XXVII. **Comparison of different culture conditions for smooth muscle cell differentiation of human umbilical cord vein CD146+perivascular cells**
GOKCINAR-YAGCI B., Celebi-Saltik B.
CELL AND TISSUE BANKING, vol.18, no.4, pp.501-511, 2017 (SCI-Expanded)
- XXVIII. **Expansion of human umbilical cord blood hematopoietic progenitors with cord vein pericytes**
ÇELEBİ SALTİK B., Gokcinar Yagci B.
TURKISH JOURNAL OF BIOLOGY, vol.41, no.1, pp.49-58, 2017 (SCI-Expanded)
- XXIX. **Isolation, characterisation and comparative analysis of human umbilical cord vein perivascular cells and cord blood mesenchymal stem cells**
Gokcinar-Yagei B., ÖZYÜNCÜ Ö., Celebi-Saltik B.
CELL AND TISSUE BANKING, vol.17, no.2, pp.345-352, 2016 (SCI-Expanded)
- XXX. **Cardiac patch design: compatibility of nanofiber materials prepared by electrospinning method with stem cells**
ÇELEBİ SALTİK B., Oteyaka M. O.
TURKISH JOURNAL OF BIOLOGY, vol.40, no.2, pp.510-518, 2016 (SCI-Expanded)
- XXXI. **Pericytes: Properties, Functions and Applications in Tissue Engineering**
Gokcinar-Yagci B., Uckan-Cetinkaya D., Celebi-Saltik B.
STEM CELL REVIEWS AND REPORTS, vol.11, no.4, pp.549-559, 2015 (SCI-Expanded)
- XXXII. **Human umbilical cord derived stem cells**
ÇELEBİ SALTİK B., ÇETİNKAYA F. D.
Stem Cell Fundamentals and Practice, vol.1, no.1, pp.19-22, 2015 (SCI-Expanded)
- XXXIII. **Medium conditioned with mesenchymal stromal cell derived osteoblasts improves the expansion and engraftment properties of cord blood progenitors**
DUMONT N., BOYER L., EMOND H., Celebi-Saltik B., PASHA R., BAZIN R., Mantovani D., ROY D., PINEAULT N.
EXPERIMENTAL HEMATOLOGY, vol.42, no.9, pp.741-752, 2014 (SCI-Expanded)
- XXXIV. **BSA and Fibrinogen Adsorption on Chitosan/kappa-Carrageenan Polyelectrolyte Complexes**
CARNEIRO T. N., NOVAES D. S., Rabelo R. B., Celebi B., Chevallier P., Mantovani D., Beppu M. M., VIEIRA R. S.
MACROMOLECULAR BIOSCIENCE, vol.13, no.8, pp.1072-1083, 2013 (SCI-Expanded)
- XXXV. **Human Elastin-Based Recombinant Biopolymers Improve Mesenchymal Stem Cell Differentiation**
Celebi B., Cloutier M., Balloni R., Mantovani D., BANDIERA A.
MACROMOLECULAR BIOSCIENCE, vol.12, no.11, pp.1546-1554, 2012 (SCI-Expanded)
- XXXVI. **Insulin-like growth factor binding protein-2 and neurotrophin 3 synergize together to promote the expansion of hematopoietic cells ex vivo**
Celebi B., Mantovani D., PINEAULT N.
CYTOKINE, vol.58, no.3, pp.327-331, 2012 (SCI-Expanded)
- XXXVII. **Effects of extracellular matrix proteins on the growth of haematopoietic progenitor cells**
Celebi B., Mantovani D., PINEAULT N.
BIOMEDICAL MATERIALS, vol.6, no.5, 2011 (SCI-Expanded)
- XXXVIII. **Irradiated mesenchymal stem cells improve the ex vivo expansion of hematopoietic progenitors by partly mimicking the bone marrow endosteal environment**
Celebi B., Mantovani D., PINEAULT N.
JOURNAL OF IMMUNOLOGICAL METHODS, vol.370, pp.93-103, 2011 (SCI-Expanded)
- XXXIX. **Proteome Analysis of Rat Bone Marrow Mesenchymal Stem Cell Differentiation**
Celebi B., Elcin A. E., Elcin Y. M.
JOURNAL OF PROTEOME RESEARCH, vol.9, no.10, pp.5217-5227, 2010 (SCI-Expanded)
- XL. **Proteome Analysis of Rat Bone Marrow Mesenchymal Stem Cell Subcultures**
Celebi B., Elcin Y. M.
JOURNAL OF PROTEOME RESEARCH, vol.8, no.5, pp.2164-2172, 2009 (SCI-Expanded)

Articles Published in Other Journals

- I. **The Effects of Grape Seed Oligomeric Proanthocyanidin and Nisin on Dental Pulp Stem Cells**
Ballıkaya E., Babadağ S., San Keskin N. O., Çelebi Saltık B.
ACTA STOMATOLOGICA CROATICA, vol.58, no.1, pp.2-17, 2024 (ESCI)
- II. **A cellular regulator of the niche: Telocyte**
Babadag S., Çelebi Saltık B.
Tissue Barriers, vol.1, no.1, pp.1, 2022 (Peer-Reviewed Journal)
- III. **Dental Pulpa Kök Hücrelerinin Sinyal Yolakları ve Rejenerasyonda Doku İndüksiyonu**
ÇELEBİ SALTİK B.
Türkiye Klinikleri Endodonti - Özel Konular, vol.4, no.1, pp.27-32, 2018 (Peer-Reviewed Journal)
- IV. **Extracellular Matrix Proteins for Stem Cell Fate**
Celebi-Saltık B.
ADVANCED SURFACES FOR STEM CELL RESEARCH, pp.1-21, 2017 (Peer-Reviewed Journal)
- V. **Vasküler Rejenerasyon Amacıyla Doku Mühendisliği ve Kök Hücre Uygulamaları**
ÇELEBİ SALTİK B.
Türkiye Klinikleri Plastik Cerrahi Özel Dergisi, vol.4, no.3, pp.56-59, 2015 (Peer-Reviewed Journal)
- VI. **Kök Hücreden Yapay Doku Oluşumu Teknikler ve Güncel Teknolojiler**
ÇELEBİ SALTİK B.
Türkiye Klinikleri Plastik Cerrahi Özel Dergisi, vol.4, no.3, pp.38-42, 2015 (Peer-Reviewed Journal)
- VII. **Biyomalzemelerle Kök Hücre Etkileşimi**
ÇELEBİ SALTİK B.
Türkiye Klinikleri Plastik Cerrahi Özel Dergisi, vol.4, no.3, pp.33-37, 2015 (Peer-Reviewed Journal)
- VIII. **Hematopoetik ve Mezenkimal Kök Hücreler**
AERTS KAYA F. S. F., ÇELEBİ SALTİK B.
Turkiye Klinikleri J Plast Surg-Special Topics, vol.4, no.3, pp.11-18, 2015 (Non Peer-Reviewed Journal)
- IX. **Investigation of human mesenchymal stem cells culture on nanofibrous polyurethane scaffolds and films**
ÇELEBİ SALTİK B., ÖTEYAKA M. Ö.
Journal of Achievements in Materials and Manufacturing Engineering, vol.64, no.2, pp.52-61, 2014 (Scopus)

Books & Book Chapters

- I. **Extracellular Matrix Proteins for Stem Cell Fate**
ÇELEBİ SALTİK B.
in: ADVANCED SURFACES FOR STEM CELL RESEARCH, Tiwari, A; Garipcan, B; Uzun, L , Editor, Scrivener Publishing Llc,, Beverly, pp.1-21, 2017

Refereed Congress / Symposium Publications in Proceedings

- I. **Hücresel Tedaviler: Kök Hücre, Transplantasyon, Organoidler, IPS**
Çelebi Saltık B.
ÇOCUK METABOLİZMA HASTALIKLARI AKADEMİSİ CMAK2023 - Hücre Trafiği Bozuklukları, Ankara, Turkey, 6 - 07 October 2023
- II. **Human Hair Protein-Based Hydrogels: From Design to Fabrication and Characterization**
Tutar R., Köken S. Y., Tuncaboğlu D. C., Çelebi Saltık B.
19th Asian Chemical Congress, İstanbul, Turkey, 8 - 14 July 2023
- III. **RELEASE FACTORS OF BIOFILM-RELATED WOUND PATHOGENS ADVERSELY EFFECT DIABETIC CELLS**
Kart D., Dağdelen S., Taşkıran Z. E., Çelebi Saltık B.

International Multidisciplinary Symposium on Drug Research and Development (DRD) 2023, İzmir, Turkey, 4 - 06 May 2023, pp.1

- IV. **Advances in engineering human tissue models with human derived stem cells**
Çelebi Saltık B.
International advances in molecular biology congress, İstanbul, Turkey, 19 - 22 September 2022, vol.1, no.1, pp.1
- V. **Çok Fonksiyonlu ve İletken Biyolojik Yapı İskelelerinin Hazırlanması, Karakterizasyonu ve Doku Mühendisliği Uygulamaları**
Koken S. Y., Çelebi Saltık B., Tutar R.
34.Ulusal Kimya Kongresi, Yalova, Turkey, 1 - 06 September 2022, vol.1, no.1, pp.264
- VI. **MCF-7 hücre hattından kanser kök hücresi izolasyonu ve non-tümorojenik epitel MCF-12A ve HUVEC hücreleri ile organoid kültürü**
Altundağ Ö., Çelebi Saltık B.
10. Ulusal Moleküler Biyoloji ve Biyoteknoloji Kongresi, Ankara, Turkey, 17 - 19 December 2021, pp.1
- VII. **Cell-Stem Cell Production Technologies and Tissue Engineering Products**
Çelebi Saltık B.
Advanced Therapy Medical Products 2nd Pharmaceutical Biotechnology Workshop, Ankara, Turkey, 29 - 30 November 2019, pp.1
- VIII. **Büyük veriden hücre karakterizasyonuna: Transkripsiyon faktörü kataloglarının oluşturulması**
İMREN G., KARAOSMANOĞLU B., ÇELEBİ SALTİK B., ESENDAĞLI G., TAŞKIRAN Z. E.
Tıbbi Biyoloji ve Genetik Kongresi, Turkey, 27 - 30 October 2019
- IX. **Artificial tissue and organ formation from stem cells with 3D printing and organ on a chip technologies**
Çelebi Saltık B.
Turkish Plastic Reconstructive and Aesthetic Surgery Association 41st National Congress, Samsun, Turkey, 26 - 30 October 2019, pp.1
- X. **Functional analysis of the cellular response of donor bone marrow derived mesenchymal stem cells under environmental stress**
Balta G., Aygar S., Çelebi Saltık B., Kılıc E., Çetinkaya F. D.
3th Stem Cells and Cellular Therapies Congress, İstanbul, Turkey, 12 - 14 April 2019, pp.1
- XI. **Investigation of mitochondrial stress inducers on human bone marrow derived mesenchymal stem cells for mitochondrial disease model**
Aygar S., Balta G., Çelebi Saltık B., Kılıc E., Beyramzadeh M., Çetinkaya F. D.
42nd FEBS Congress, Yerushalayim, Israel, 10 - 14 September 2017, pp.1
- XII. **Combination of Human Umbilical Cord Vein Perivascular Cells and Human Extracellular Matrix Proteins for Vascular Tissue Engineering**
ÇELEBİ SALTİK B., GÖKÇINAR YAĞCI B.
28th Annual Meeting of the European Society for Biomaterials, 4 - 08 September 2017
- XIII. **Effect of three different culture media on smooth muscle cell differentiation of umbilical cord vein-derived CD146 perivascular cells**
ÇELEBİ SALTİK B., GÖKÇINAR YAĞCI B.
ISEH 46th Annual Scientific Meeting, 24 - 27 August 2017, vol.53, pp.119
- XIV. **Combination of smooth muscle cells and fibroblasts differentiated from human umbilical cord vein CD146 cells with human extracellular matrix proteins**
ÇELEBİ SALTİK B., AKARCA DİZAKAR S. Ö., ÖMEROĞLU S., GÖKÇINAR YAĞCI B.
ISEH 46th Annual Scientific Meeting, 24 August - 27 September 2017, vol.53, pp.119
- XV. **Investigation of mitochondrial stress inducers on human bone marrow derived mesenchymal stem cells for mitochondrial disease model**
Aygar S., BALTA G., Saltık B., Kılıc E., Beyramzadeh M., Çetinkaya D. U.
42nd Congress of the Federation-of-European-Biochemical-Societies (FEBS) on From Molecules to Cells and Back, Jerusalem, Israel, 10 - 14 September 2017, vol.284, pp.134-135
- XVI. **Interaction of human umbilical cord vein derived smooth muscle cells and fibroblasts with natural**

scaffolds composed of human vascular extracellular matrix proteins

YAGCI B., Saltik B. C.

41st FEBS Congress on Molecular and Systems Biology for a Better Life, Kusadasi, Turkey, 3 - 08 September 2016, vol.283, pp.37

- XVII. Cytotoxic dose assessment of cell stress inducers on human bone marrow mesenchymal stem cells by real-time xCELLigence impedance analysis**
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- XVIII. Generation of induced pluripotent stem cells from human mesenchymal stem cells by sendai virus vectors**
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- XIX. Reprogramming of human mesenchymal stem cells from healthy donors and patients with osteopetrosis with non integrating RNA virus on feeder free conditions**
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- XX. Reprogramming of human mesenchymal stem cells from healthy donors a osteopetrosis with non-integrating RNA virus on feeder-free conditions**
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- XXI. Pericyte based collagen scaffold for vascular tissue engineering**
ÇELEBİ SALTİK B., GÖKÇINAR YAĞCI B.
10th World Biomaterials Congress, Canada, 17 - 22 May 2016
- XXII. Engineered small diameter vascular grafts by cell sheet engineering with human umbilical cord vein perivascular cells**
GÖKÇINAR YAĞCI B., ÇELEBİ SALTİK B.
10th World Biomaterials Congress, Canada, 17 - 22 May 2016
- XXIII. Yapay Organlar ve Nis**
ÇELEBİ SALTİK B.
Kök Hücre Günü 2015, Turkey, 21 November 2015
- XXIV. Generation of integration free human IPS cells from mesenchymal stem cells**
CEVHER I., PEHLİVANOĞLU S., KILIÇ E., ÇELEBİ SALTİK B., ÇETİNKAYA F. D., OKUR F. V.
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- XXV. Doku Mühendisligi**
ÇELEBİ SALTİK B.
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- XXVI. Bioinspired cartilage surfaces for chondrogenic stem cell differentiation**
ÖZTÜRK M. Ö., HÜR D., UZUN L., ÇELEBİ SALTİK B., ÇETİNKAYA F. D., GARİPCAN B.
EMBO Workshop, Stem cell mechanobiology in development and disease, Capri, Italy, 18 - 21 October 2015
- XXVII. Smooth muscle cell differentiation of human umbilical cord vein pericytes Effect of hypoxia**
GÖKÇINAR YAĞCI B., ÇELEBİ SALTİK B.
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- XXVIII. Cardiac Patch Design with Neural Growth Factor Impregnated Polyurethane Nanofibers and Mesenchymal Stem Cells**
Oteyaka M., Celebi-Saltik B.
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- XXIX. Expansion of Hematopoietic Progenitor Cells in a New Dynamic Co-culture System**
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- XXX. **Human Umbilical Cord Vein Pericyte Differentiation for Vascular Tissue Engineering**
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- XXXI. **Improved ex vivo expansion of human umbilical cord blood hematopoietic progenitors with cord pericytes**
ÇELEBİ SALTİK B., GÖKÇINAR YAĞCI B.
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- XXXII. **Stem Cell Engineering**
ÇELEBİ SALTİK B.
International Congress of Molecular Medicine, İzmir, Turkey, 20 - 22 May 2015
- XXXIII. **Cell culture Clinical applications**
ÇELEBİ SALTİK B.
th Fall School of Dermatoimmunology and Allergy, Muğla, Turkey, 17 - 21 September 2014
- XXXIV. **Cartilage Mimicked Structures for Chondrogenic Stem Cell Differentiation**
ÖZTÜRK M. Ö., HÜR D., UZUN L., ÇELEBİ SALTİK B., ÇETİNKAYA F. D., GARİPCAN B.
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- XXXV. **Investigation of human mesenchymal stem cells culture on nanofibrous polyurethane scaffolds and films**
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15th International Materials Symposium, 15 - 17 October 2014
- XXXVI. **Nutrients and Stem Cells**
ÇELEBİ SALTİK B.
IX. International Nutrition and Dietetics Congress, 2 - 05 April 2014
- XXXVII. **Modulation de la prise de greffe et de l'expansion des progéniteurs hématopoïétiques de sang de cordon par des facteurs solubles provenant des ostéoblastes**
Emond H., Dumont N., Boyer L., Çelebi Saltik B., Drouin M., Bazin R., Mantovani D., Roy D. C., Pineault N.
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- XXXVIII. **Identification of the Mechanisms Responsible for the Improved Platelet Recovery Achieved with Cord Blood(CB) Progenitors Expanded in Osteoblast (OST) Conditioned Medium**
DUMONT N., EMOND H., Saltik B. C., Drouin M., BAZIN R., Mantovani D., ROY D., PINEAULT N.
AABB Annual Meeting and CTTXPO, Colorado, United States Of America, 12 - 15 October 2013, vol.53
- XXXIX. **Identification of soluble factors released by osteoblasts that modulate the growth of human cord blood cells**
Çelebi Saltik B., Mantovani D., Roy D. C., Bazin R., Pineault N.
47th World Chemistry Congress, İstanbul, Turkey, 11 - 16 August 2013, pp.1111
- XL. **Human bone marrow mesenchymal stem cell differentiation on biomimetic elastin and collagen type I blends**
Çelebi Saltik B., Bandiera A., Mantovani D.
47th World Chemistry Congress, İstanbul, Turkey, 11 - 16 August 2013, pp.1
- XLI. **Impact of mesenchymal and osteoblast conditioned media on hematopoietic cell growth and on hematopoietic recovery**
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AABB Annual Meeting & CTTXPO 2012, Massachusetts, United States Of America, 6 - 09 October 2012, vol.52, pp.39
- XLII. **Osteoblast conditioned media increases the expansion of hematopoietic progenitor cells ex vivo and improves the overall recovery of platelets in vivo**
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Stem Cell Network and ThéCell Annual Meeting, Montreal, Canada, 30 April - 02 May 2012, pp.17
- XLIII. **The role of collagen type I on Hematopoietic and Mesenchymal Stem Cells expansion and differentiation**
Çelebi B., Pineault N., Mantovani D.
7th International Conference on Processing and Manufacturing of Advanced Materials, THERMEC'2011, Quebec

City, QC, Canada, 1 - 05 August 2011, vol.409, pp.111-116

- XLIV. **Improved expansion of hematopoietic progenitors with osteogenically differentiated BM MSCs conditioned medium**
Çelebi Saltık B., Boly Y., Mantovani D., Pineault N.
American Society for Cell Biology Annual Meeting , Colorado, United States Of America, 3 - 07 December 2011, pp.917
- XLV. **Comparative analysis of hematopoietic progenitor expansions achieved in a two-chamber bioreactor and static cultures**
Çelebi Saltık B., Mantovani D., Pineault N.
10th symposium of the Association de Thérapie Génique du Québec (ATGQ), Quebec, Canada, 18 November 2011, pp.1
- XLVI. **NT-3 and IGFBP-2 increase the expansion of umbilical cord blood hematopoietic progenitors**
Çelebi B., Mantovani D., Pineault N.
European Biotechnology Congress, İstanbul, Turkey, 28 September - 01 October 2011, vol.22
- XLVII. **Multi-layered titanium containing coatings for stent applications: a preliminary study**
Batan A., Diallo M., Çelebi Saltık B., Holvoet S., Chevallier P., Mantovani D., Pireaux J.
International Conference on Processing & Manufacturing of Advanced Materials (THERMEC'2011), Quebec, Canada, 1 - 05 August 2011, pp.11
- XLVIII. **Osteoblasts derived from MSCs promote cell cycle entry of CD34+ cells and expansion of hematopoietic progenitors**
Çelebi Saltık B., Boly Y., Pineault N.
9th International Society for Stem Cell Research (ISSCR) Annual Meeting, Toronto, Canada, 15 - 18 June 2011, pp.119-120
- XLIX. **Irradiated bone marrow mesenchymal stem cells improves the expansion of human hematopoietic and megakaryocyte progenitors in co-culture**
Çelebi Saltık B., Pineault N., Mantovani D.
29th Annual Conference of the Canadian Biomaterials Society, Vancouver, Canada, 1 - 04 June 2011, pp.184
- L. **Amélioration de l'expansion de cellules CD34+ de sang de cordon ombilical en co-culture avec des cellules souches mésenchymateuses immortalisées de sang cordon ombilical**
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Assemblée Générale Annuelle de Réseau de Thérapie Cellulaire et Tissulaire (ThéCell) du FRSQ, Quebec, Canada, 01 November 2010, pp.34
- LI. **Improved expansion of CD34+ cells and progenitor cells with coculture of CD34+ cells with immortalized human umbilical cord blood mesenchymal stem cells**
Çelebi Saltık B., Pineault N., Mantovani D.
39th International Society for Hematology and Stem Cells (ISEH) Annual Meeting, Melbourne, Australia, 15 - 18 September 2010, vol.38, no.9, pp.15
- LII. **Design and validation of flow perfusion bioreactor for platelet production**
Çelebi Saltık B., Dravigne J., Pineault N., Mantovani D.
Termis-EU (Tissue Engineering and Regenerative Medicine International Society) Meeting 2010, Galway, Ireland, 13 - 17 June 2010, pp.13
- LIII. **How extracellular matrix proteins influence platelet production**
Çelebi Saltık B., Pineault N., Mantovani D.
28th Annual Conference of the Canadian Biomaterials Society, Kingston, Canada, 3 - 04 June 2010, pp.64-65
- LIV. **The effect of different extracellular matrix proteins on megakaryocyte differentiation**
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27th Annual Conference of the Canadian Biomaterials Society, Quebec, Canada, 20 - 23 May 2009, pp.1
- LV. **Proteome analysis of rat bone marrow mesenchymal stem cells in standard and induced culture conditions**
Çelebi Saltık B., Halloran S., Elçin A. E., Elçin Y. M.
13th Biomedical Science and Technology Symposium (BIOMED), İstanbul, Turkey, 26 - 28 August 2007, pp.52

Supported Projects

- ÇELEBİ SALTİK B., Altundağ Ö., Project Supported by Higher Education Institutions, Sirküle meme kanseri kök hücrelerinin kemik metastazı sonrası mTOR inhibitörü ile hedeflenmesi, 2022 - Continues
- ÇELEBİ SALTİK B., ÇETİNKAYA F. D., TUBITAK Project, UPKH Uyarılmış Pluripotent Kök Hücre Banka Teknolojileri Geliştirme, 2014 - Continues
- Çelebi Saltık B., R&D Project of Group B, Sirküle meme kanseri kök hücrelerinin kemik metastazı sonrası niklozamid ile hedeflenmesi, 2023 - 2024
- ÇELEBİ SALTİK B., Babadağ S., Altundağ Ö., Project Supported by Higher Education Institutions, miR21 Baskılanmış Meme Kanseri Kök Hücrelerinin İnsan Kemik İliğinden İzole Edilen Telositler ve Telosit Kaynaklı Mitokondriler ile Ko-Kültürü, 2022 - 2024
- Çelebi Saltık B., Tutar R., TUBITAK Project, Tırnak Yatağı Yaralanmalarında Kullanılmak Üzere Michael Katılma Tepkimesi Ve Görünür Işık İle Çapraz Bağlanabilen, Enjekte Edilebilir, İnsan Saçı Keratini Katkılı Doku Yapıştırıcısı Geliştirilmesi: 3 Boyutlu Tırnak Yatağı Yara Modelinde Değerlendirilmesi, 2021 - 2024
- Çelebi Saltık B., Öteyaka M. Ö., TÜBİTAK International Bilateral Joint Cooperation Program Project, Osteojenik Biyoseramik Takviyeli Üç Katmanlı Elektroğrılmış Fiberlerin Geliştirilmesi- Kemik Rejenerasyonu, 2021 - 2024
- Çelebi Saltık B., Ballıkaya E., San Keskin N. O., Research Project of the Presidency of Turkey Health Institutes (TÜSEB), Proantosiyanidin taşıyan nanofiberlerin üretimi ve diş pulpası kök hücrelerinin odontoblastik farklılaşma potansiyeli üzerine etkilerinin incelenmesi, 2022 - 2023
- BALLIKAYA E., ÇELEBİ SALTİK B., Project Supported by Higher Education Institutions, Nisin ve proantosiyanidinin diş pulpası kök hücreleri üzerindeki etkisinin değerlendirilmesi, 2022 - 2023
- BİLGİÇ KÜÇÜKGÜVEN M., ÇELEBİ SALTİK B., KART D., Project Supported by Higher Education Institutions, Candida albicans'tan Ekstrakte Edilen Beta-Glukan ve Kitinin İnsan Kemik İliği Mezenkimal Kök Hücrelerin Sekresyon Profili Üzerine Etkisinin Değerlendirilmesi, 2021 - 2023
- Çelebi Saltık B., Kart D., Bilgiç Küçükgüven M., Project Supported by Higher Education Institutions, Baş Boyun Kanseri Hastaların Tükürük Örneklerinden İzole Edilen Eksozom ve Bakterilerin Sağlıklı Kemik İliği Mezenkimal Kök Hücreler Üzerine Etkilerinin Değerlendirilmesi, 2020 - 2022
- ÇELEBİ SALTİK B., Altundağ Ö., TUTAR R., Project Supported by Higher Education Institutions, Oleuropeinin Meme Kanseri Organoid Kültürü Üzerine Etkisinin Mikroakışkan Sistemde İncelenmesi, 2019 - 2022
- KART D., DAĞDELEN S., ÇELEBİ SALTİK B., Project Supported by Higher Education Institutions, IN VİTRO DİYABETİK YARA MODELİ POLİMİKROBİYAL BİYOFİMLERİN ROLÜ, 2017 - 2022
- ÇELEBİ SALTİK B., Altundağ Ö., AKSOY Y., Project Supported by Higher Education Institutions, İnsan Fetal, Erişkin ve Kanseri Kök Hücrelerinde Metiyonin Metabolizması, 2019 - 2021
- ÇELEBİ SALTİK B., KÜBRA ÇANKIRILI N., KART D., Project Supported by Higher Education Institutions, İnsan Göbek Kordon Veni CD146+ Hücrelerin ve Bu Hücrelerden Elde Edilen Matriks Proteinlerinin in vitro Biyofilm Modellerinde Değerlendirilmesi, 2019 - 2019
- ÇELEBİ SALTİK B., Project Supported by Higher Education Institutions, Organ on a chip teknolojisi ile doku-organ geliştirme, 2018 - 2019
- BALTA G., ÇELEBİ SALTİK B., ÇETİNKAYA F. D., Aygar S., Project Supported by Higher Education Institutions, İNSAN KEMİK İLİĞİ MEZENKİMAL KÖK HÜCRELERİNDE in vitro MİTOKONDRI HASAR MODELİ OLUŞTURULMASI, 2015 - 2019
- ÇELEBİ SALTİK B., Project Supported by Higher Education Institutions, Vasküler greft oluşumu: İnsan göbek kordon veni CD146+ hücrelerden farklılaştırılan düz kas hücreleri ve fibroblastların insan ekstrasellüler matriks proteinleri ile kombinasyonu, 2017 - 2017
- Çetinkaya F. D., Çelebi Saltık B., Vargel İ., Okur F. V., Korkusuz P., Özcan A., TUBITAK Project, Hacettepe Üniversitesi Ar Ge Strateji Belgesi Rejeneratif ve Restoratif Tıp, 2016 - 2017
- ÇELEBİ SALTİK B., GÖKÇINAR YAĞCI B., Project Supported by Higher Education Institutions, İNSAN GÖBEK KORDONU VENİ CD146+ HÜCRELERİNDEN FARKLIlaştırILAN DÜZ KAS HÜCRELERİNİN KARAKTERİZASYONU VE EKSTRASELÜLER MATRİKS PROTEİNLERİ İLE ETKİLEŞİMLERİ, 2016 - 2017
- ÇELEBİ SALTİK B., TUBITAK Project, Biyoreaktör İle Damar Doku Mühendisliği: Göbek Kordonu Kök Hücreleri Ve Matriks Proteinleri İle Damar Tabakaları Oluşumu, 2014 - 2017
- AERTS KAYA F. S. F., ÇETİNKAYA F. D., ÖZCAN A., ÇELEBİ SALTİK B., Project Supported by Higher Education Institutions,

Kök Hücre Günü 2015, 2015 - 2016

ÇELEBİ SALTİK B., ÖZYÜNCÜ Ö., GÖKÇINAR YAĞCI B., Project Supported by Higher Education Institutions, İnsan göbek kordonu veninden CD146+ hücrelerin eldesi ve vasküler düz kas hücrelerine farklılaştırılması, 2015 - 2015

ÇELEBİ SALTİK B., TÜBİTAK Project, Perisitlerin ve mezenkimal kök hücre kaynaklı osteoblastların göbek kordonu hematopoetik kök hücre farklılaşmasındaki rolü, 2014 - 2015

Çelebi Saltık B., Project Supported by Higher Education Institutions, 2013 - 2014

Activities in Scientific Journals

FRONTIERS IN CELL AND DEVELOPMENTAL BIOLOGY, Committee Member, 2022 - Continues

Current Gene Therapy, Committee Member, 2020 - Continues

Cell And Tissue Banking, Committee Member, 2019 - Continues

Memberships / Tasks in Scientific Organizations

European Biomaterials Society, Member, 2018 - Continues, Netherlands

Basic Oncology Society, Member, 2017 - Continues, Turkey

Bilim Akademisi-BAGEP, Member, 2016 - Continues, Turkey

Turkish Society of Hematology, Member, 2015 - Continues, Turkey

Turkish Society of Biochemistry, Member, 2013 - Continues, Turkey

American Society for Cell Biology , Member, 2011 - Continues, United States Of America

The International Union of Pure and Applied Chemistry , Member, 2011 - Continues, United States Of America

International Society for Stem Cell Research, Member, 2011 - Continues, United States Of America

International Society for Experimental Hematology, Member, 2010 - Continues, United States Of America

Canadian Biomaterials Society, Member, 2008 - Continues, Canada

Scientific Consultations

Agence Nationale de la Recherche - Generic Call , Project Consultancy, Hacettepe University, Sağlık Bilimleri Enstitüsü, Kök Hücre Bilimleri A.B.D., Turkey, 2020 - Continues

Tübitak- ÇPDK üyesi (Tıbbi Cihazlara Yönelik Klinik Araştırmalar), Project Consultancy, Hacettepe University, Sağlık Bilimleri Enstitüsü, Kök Hücre Bilimleri A.B.D., Turkey, 2020 - Continues

Tasks In Event Organizations

Çelebi Saltık B., World Biomaterials Congress 2020, Scientific Congress, Glasgow, United Kingdom, Aralık 2020

Çelebi Saltık B., World Biomaterials Congress, Scientific Congress, Montreal, Canada, Mayıs 2016

Mobility Activity

Sabbatical Leave, Guest Researcher, University of California, Los Angeles, United States Of America, 2018 - 2018

Erasmus Programme, Faculty Exchange, Karolinska Institutet (Karolinska Institute), Sweden, 2014 - 2014

Metrics

Publication: 105

Citation (WoS): 590

Citation (Scopus): 688

H-Index (WoS): 14

H-Index (Scopus): 15

Scholarships

1416 sayılı kanun gereğince yurtdışında doktora bursu, Ministry of Education, 2008 - 2012

Yurtiçi Yüksek Lisans Bursu, TÜBİTAK, 2006 - 2007

Yurtdışı Yüksek Lisans Bursu, Foundation, 2005 - 2005

Awards

Çelebi Saltık B., Altundağ Ö., Aksoy Y., Dr. Aysun - Ahmet Küçükkel Tıp Ödülleri-Genç Araştırmacı Proje Destek Ödülü (Özlem Altundağ ve Yasemin Aksoy ile birlikte), Güven Hastanesi, April 2020

Çelebi Saltık B., World Biomaterials Congress 2016 - Tephra Trainee Award (Beyza Gökçınar Yağcı ile birlikte), World Biomaterials Congress Committee, June 2016

Çelebi Saltık B., Bilim Akademisi Genç Bilim İnsanları Ödül Programı (BAGEP), Bilim Akademisi, April 2016

Çelebi Saltık B., Meting Scholarship from TÜBİTAK to participate 64th Lindau Nobel Laureate Meeting, 64Th Lindau Nobel Laureate Meeting Organising Committee-Tübitak, June 2014

Çelebi Saltık B., Conference Scholarship ISSCR Annual Meeting, Réseau De Thérapie Cellulaire, Tissulaire Et Génique Du Québec, June 2011

Çelebi Saltık B., Travel award, 29th Canadian Biomaterials Society Conference, Canadian Biomaterials Society , June 2011

Non Academic Experience

UCLA

Karolinska Institute/Department of Cell and Molecular Biology

Laval Üniversitesi

Héma Québec