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Personal Information

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International Researcher IDs

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Education Information

Doctorate, Erasmus Universiteit Rotterdam, Molecular Medicine, Netherlands 2005 - 2010

Undergraduate, Erasmus Universiteit Rotterdam, Tıp, Netherlands 1994 - 2000

Foreign Languages

English, C1 Advanced

Dissertations

Doctorate, Radioprotective agents stimulating hematopoietic stem cell reconstitution. A translational approach., Erasmus Universiteit Rotterdam, Erasmus Medical Center, Molecular Medicine, 2010

Research Areas

Medicine, Health Sciences, Fundamental Medical Sciences, Medical Biology

Academic Titles / Tasks

Associate Professor, Hacettepe University, Sağlık Bilimleri Enstitüsü, Kök Hücre Bilimleri A.B.D., 2021 - Continues

Assistant Professor, Hacettepe University, Sağlık Bilimleri Enstitüsü, Kök Hücre Bilimleri A.B.D., 2015 - 2021

Lecturer PhD, Hacettepe University, Sağlık Bilimleri Enstitüsü, Kök Hücre Bilimleri A.B.D., 2011 - 2015

Courses

KÖK HÜCRE LABORATUVAR YÖNTEMLERİ I, Doctorate, 2019 - 2020, 2018 - 2019

Mecmua Klubu I, Doctorate, 2019 - 2020, 2018 - 2019

REJENARATİF TIPTA KÖK HÜCRE VE GEN TEDAVİLERİ, Doctorate, 2019 - 2020

Advising Theses

- Aerts Kaya F. S. F., Optimization and risk assessment of RAB27A-/- Gene Therapy alternatives using current molecular techniques and technologies, Doctorate, Ö.DOĞUŞ(Student), 2024
- Aerts Kaya F. S. F., Assessment of the effects of melatonin on the funtional deficits induced by cellular stress in obese donor derived mesenchymal STEM cells, Postgraduate, E.GİZEM(Student), 2024
- Aerts Kaya F. S. F., Optimization of Hematopoietic Stem Cell Gene Therapy Culture Conditions and Engraftment , Postgraduate, M.Emin(Student), 2021
- Aerts Kaya F. S. F., Assessment of the role and antioxıdatıve and antiapoptotic effects of delta-opioid peptide d-ala2-leu5-enkephalin on the viability of hematopoietic stem cells, Postgraduate, A.MAMMADOVA(Student), 2019
- Aerts Kaya F. S. F., Yanık T., Assessment of the role of neuropeptide y in the regulation of hematopoietic stem cells, Doctorate, B.ULUM(Student), 2019
- Aerts Kaya F. S. F., Griscelli sendromu uyarılmış pluripotent kök hücre geliştirilmesi, karakterizasyonu ve in vitro hematopoetik farklılaşması, Doctorate, G.ESKEN(Student), 2018
- Aerts Kaya F. S. F., Değişik kaynaklı MKH'lerin detaylı karakterizasyonu, lenfohematopoezi destekleyici özellikleri ve izolasyonunda cd271 antijeninin önemi, Doctorate, G.AYDIN(Student), 2018
- Aerts Kaya F. S. F., Özbek E., Isı Şok Protein 10 (Hsp10)'un Mezenkimal Kök Hücrelerin İmmün Modülasyonundaki Rolünün Araştırılması, Postgraduate, A.SARIKAYA(Student), 2018
- Aerts Kaya F. S. F., Analyse de la Niche Hematopoiétique Humaine: Expression de PDGF et de son Recepteur., Postgraduate, G.Güney(Student), 2014

Jury Memberships

- Post Graduate, Post Graduate, Hacettepe Üniversitesi, August, 2021
- Post Graduate, Post Graduate, Hacettepe Üniversitesi, August, 2021
- Post Graduate, Post Graduate, Hacettepe Üniversitesi, September, 2020
- Doctoral Examination, Doctoral Examination, Hacettepe Üniversitesi, August, 2020
- Doctoral Examination, Doctoral Examination, Hacettepe Üniversitesi, August, 2020
- Doctoral Examination, Doctoral Examination, Hacettepe Üniversitesi, August, 2019
- Post Graduate, Post Graduate, Hacettepe Üniversitesi, August, 2019
- Post Graduate, Post Graduate, Hacettepe Üniversitesi, July, 2019
- Doctorate, Doctorate, Hacettepe Üniversitesi, June, 2019
- Post Graduate, Post Graduate, Orta Doğu Teknik Üniversitesi, January, 2019
- Post Graduate, Post Graduate, Orta Doğu Teknik Üniversitesi, January, 2019
- Doctorate, Doctorate, Hacettepe Üniversitesi, October, 2018
- Doctorate, Doctorate, Hacettepe Üniversitesi, July, 2018
- Post Graduate, Post Graduate, İhsan Doğramacı Bilkent Üniversitesi, July, 2018
- Post Graduate, Post Graduate, Sakarya Üniversitesi, April, 2018
- Doctorate, Doctorate, Hacettepe Üniversitesi, January, 2018
- Doctorate, Doctorate, Hacettepe Üniversitesi, March, 2017
- Doctoral Examination, Doctoral Examination, Hacettepe Üniversitesi, January, 2016
- Doctoral Examination, Doctoral Examination, Hacettepe Üniversitesi, January, 2016
- Doctoral Examination, Doctoral Examination, Hacettepe Üniversitesi, September, 2015

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Assessment of non-myelotoxic agents as a preparatory regimen for hematopoietic stem cell gene therapy**
Şeker M. E., Erol Ö. D., Pervin B., Wagemaker G., Van Til N. P., Aerts Kaya F. S. F.
HUMAN CELL, vol.38, no.9, pp.1-12, 2024 (SCI-Expanded)
- II. **Correction of Griscelli Syndrome Type 2 causing mutations in the RAB27A gene with CRISPR/Cas9**

Erol Ö. D., Şenocak Ş., Özçimen Batman B., Güney Esken G., Kılıç H. B., Kocaefe Y. Ç., Van Til N. P., Aerts Kaya F. S. F. *TURKISH JOURNAL OF BIOLOGY*, vol.48, no.5, pp.290-298, 2024 (SCI-Expanded)

- III. **Bone marrow mesenchymal stromal cells support regeneration of intestinal damage in a colitis mouse model, independent of their CXCR4 expression**
Pervin B., Gizer M., Şeker M. E., Erol Ö. D., Gür S. N., Polat E. G., Degirmenci B., Korkusuz P., Aerts Kaya F. S. F. *CLINICAL AND TRANSLATIONAL SCIENCE*, vol.2024, no.17(5), pp.1-13, 2024 (SCI-Expanded)
- IV. **The Role of Rab GTPases in the development of genetic and malignant diseases.**
Erol Ö. D., Şenocak Ş., Aerts-Kaya F. S. F. *Molecular and cellular biochemistry*, vol.479, no.2, pp.255-281, 2024 (SCI-Expanded)
- V. **Gene and Cellular Therapies for Leukodystrophies**
Aerts Kaya F. S. F., Van Til N. P. *PHARMACEUTICS*, vol.15, no.11, pp.1-25, 2023 (SCI-Expanded)
- VI. **Comparison of immune modulatory properties of human multipotent mesenchymal stromal cells derived from bone marrow and placenta**
Sarikaya A., Aydın G., Ozyuncu Ö., Sahin E., Çetinkaya F. D., Aerts Kaya F. S. F. *BIOTECHNIC & HISTOCHEMISTRY*, vol.97, no.2, pp.79-89, 2022 (SCI-Expanded)
- VII. **Global miRNA expression of bone marrow mesenchymal stem/stromal cells derived from Fanconi anemia patients**
Cagnan I., Keles M., Keskus A. G., Tombaz M., ŞAHAN Ö. B., AERTS KAYA F. S. F., ÇETİNKAYA F. D., KONU KARAKAYALI Ö., ÖZCAN A. *HUMAN CELL*, vol.35, no.1, pp.111-124, 2022 (SCI-Expanded)
- VIII. **Effects of storage media, supplements and cryopreservation methods on quality of stem cells**
Erol O. D., Pervin B., Seker M. E., Aerts-Kaya F. S. F. *WORLD JOURNAL OF STEM CELLS*, vol.13, no.9, 2021 (SCI-Expanded)
- IX. **Development, characterization, and hematopoietic differentiation of Griscelli syndrome type 2 induced pluripotent stem cells.**
Güney-Esken G., Erol Ö. D., Pervin B., Gürhan Sevinç G., Önder T., Bilgiç E., Korkusuz P., Günel-Özcan A., Uçkan-Çetinkaya D., Aerts-Kaya F. S. F. *Stem cell research & therapy*, vol.12, no.1, pp.287, 2021 (SCI-Expanded)
- X. **Stem Cell Applications in Lysosomal Storage Disorders: Progress and Ongoing Challenges.**
Köse S., Aerts-Kaya F. S. F., Uçkan Çetinkaya D., Korkusuz P. *Advances in experimental medicine and biology*, vol.1347, pp.135-162, 2021 (SCI-Expanded)
- XI. **Strategies to Protect Hematopoietic Stem Cells from Culture-Induced Stress Conditions.**
Aerts-Kaya F. S. F. *Current stem cell research & therapy*, vol.16, pp.755-770, 2021 (SCI-Expanded)
- XII. **CXCR4 expression by mesenchymal stromal cells is lost after use of enzymatic dissociation agents, but preserved by use of non-enzymatic methods.**
Pervin B., Aydın G., Visser T., Uçkan-Çetinkaya D., Aerts-Kaya F. S. F. *International journal of hematology*, vol.113, pp.5-9, 2021 (SCI-Expanded)
- XIII. **G-CSF treatment of healthy pediatric donors affects their hematopoietic microenvironment through changes in bone marrow plasma cytokines and stromal cells.**
Aerts-Kaya F. S. F., Kilic E., Köse S., Aydın G., Cagnan I., Kuskonmaz B., Uçkan-Cetinkaya D. *Cytokine*, vol.139, pp.155407, 2020 (SCI-Expanded)
- XIV. **Neuropeptide Y is involved in the regulation of quiescence of hematopoietic stem cells**
Ulum B., Mammadova A., Özyüncü Ö., Uçkan-Cetinkaya D., Yanık T., Aerts-Kaya F. S. F. *NEUROPEPTIDES*, vol.80, 2020 (SCI-Expanded)
- XV. **SUL-109 Protects Hematopoietic Stem Cells from Apoptosis Induced by Short-Term Hypothermic Preservation and Maintains Their Engraftment Potential.**
Aerts-Kaya F. S. F., Visser T., Pervin B., Mammadova A., Özyüncü Ö., Wagemaker G., Uçkan-Çetinkaya F. D. *Biology of blood and marrow transplantation : journal of the American Society for Blood and Marrow Transplantation*, vol.26, no.4, pp.634-642, 2020 (SCI-Expanded)

- XVI. **Neurological Regulation of the Bone Marrow Niche**
Aerts-Kaya F. S. F., Ulum B., Mammadova A., Köse S., Aydin G., Korkusuz P., Uçkan-Çetinkaya D.
CELL BIOLOGY AND TRANSLATIONAL MEDICINE, VOL 6: STEM CELLS: THEIR HETEROGENEITY, NICHE AND REGENERATIVE POTENTIAL, vol.1212, pp.127-153, 2020 (SCI-Expanded)
- XVII. **Characterization of mesenchymal stem cells in mucopolipidosis type II (I-cell disease)**
Kose S., Aerts Kaya F. S. F., Kuskonmaz B. B., Uckan Cetinkaya D.
TURKISH JOURNAL OF BIOLOGY, vol.43, no.3, pp.171-178, 2019 (SCI-Expanded)
- XVIII. **Bone marrow mesenchymal stem cell donors with a high body mass index display elevated endoplasmic reticulum stress and are functionally impaired**
ULUM B. B., TEKER H. T., SARIKAYA A., BALTA G., Kuskonmaz B., UCKAN-CETINKAYA D., AERTS-KAYA F. S. F.
JOURNAL OF CELLULAR PHYSIOLOGY, vol.233, no.11, pp.8429-8436, 2018 (SCI-Expanded)
- XIX. **B lymphocyte subsets and outcomes in patients with an initial diagnosis of transient hypogammaglobulinemia of infancy**
Eroglu F. K., Kaya F. S. F., Cagdas D. N., Ozgur T. T., Yilmaz T., Tezcan I., Sanal O.
SCANDINAVIAN JOURNAL OF IMMUNOLOGY, vol.88, no.4, 2018 (SCI-Expanded)
- XX. **Automated washing of long-term cryopreserved peripheral blood stem cells promotes cell viability and preserves CD34+ cell numbers**
Aerts-Kaya F. S. F., Koca G., Sharafi P., Sayla F. C., Uckan-Cetinkaya D., Ozdemir E.
BONE MARROW TRANSPLANTATION, vol.53, no.9, pp.1225-1227, 2018 (SCI-Expanded)
- XXI. **Bone Marrow Mesenchymal Stem Cells Carrying FANCD2 Mutation Differ from the Other Fanconi Anemia Complementation Groups in Terms of TGF-beta 1 Production**
CAGNAN I., GUNEL-OZCAN A., AERTS-KAYA F. S. F., Ameziane N., Kuskonmaz B., Dorsman J., GÜMRÜK F., UCKAN D.
STEM CELL REVIEWS AND REPORTS, vol.14, no.3, pp.425-437, 2018 (SCI-Expanded)
- XXII. **Bone Marrow Mesenchymal Stem Cells from Donors with a High BMI Display ER Stress and Are Functionally Impaired.**
Ulum B., Teker H. T., Sarıkaya A., BALTA G., KUŞKONMAZ B. B., ÇETİNKAYA F. D., AERTS KAYA F. S. F.
JOURNAL OF CELLULAR PHYSIOLOGY, vol.2018, pp.1-8, 2018 (SCI-Expanded)
- XXIII. **Human bone marrow mesenchymal stem cells secrete endocannabinoids that stimulate in vitro hematopoietic stem cell migration effectively comparable to beta-adrenergic stimulation**
KOSE S., AERTS-KAYA F. S. F., Kopru C. Z., NEMUTLU E., Koskonmaz B., KARAOSMANOĞLU B., TASKIRAN E. Z., ALTUN B., CETINKAYA D. U., KORKUSUZ P.
EXPERIMENTAL HEMATOLOGY, vol.57, pp.30-41, 2018 (SCI-Expanded)
- XXIV. **Stably expressed reference genes during differentiation of bone marrow-derived mesenchymal stromal cells**
Cagnan I., Aerts Kaya F. S. F., Uckan D., Gunel Ozcan A.
TURKISH JOURNAL OF BIOLOGY, vol.41, no.1, pp.88-97, 2017 (SCI-Expanded)
- XXV. **Evaluation of biocompatibility of random or aligned electrospun polyhydroxybutyrate scaffolds combined with human mesenchymal stem cells**
KOSE S., AERTS KAYA F. S. F., DENKBAŞ E. B., KORKUSUZ P., ÇETİNKAYA F. D.
TURKISH JOURNAL OF BIOLOGY, vol.40, no.2, pp.410-419, 2016 (SCI-Expanded)
- XXVI. **Structural investigation of donor age effect on human bone marrow mesenchymal stem cells: FTIR spectroscopy and imaging**
Aksoy C., Kaya F. A., KUŞKONMAZ B. B., Uckan D., Severcan F.
AGE, vol.36, no.4, 2014 (SCI-Expanded)
- XXVII. **5-Androstene-3 beta,17 beta-diol Promotes Recovery of Immature Hematopoietic Cells Following Myelosuppressive Radiation and Synergizes With Thrombopoietin**
Aerts-Kaya F. S. F., Visser T. P., Arshad S., Frincke J., Stickney D. R., Reading C. L., Wagemaker G.
INTERNATIONAL JOURNAL OF RADIATION ONCOLOGY BIOLOGY PHYSICS, vol.84, no.3, 2012 (SCI-Expanded)
- XXVIII. **Keratinocyte Growth Factor and Stem Cell Factor to Improve Thymopoiesis after Autologous CD34(+) Cell Transplantation in Rhesus Macaques**
Wils E., Aerts-Kaya F. S. F., Rombouts E. J. C., van Mourik I., Rijken-Schelen A., Visser T. P., Braakman E., Wagemaker

- G., Cornelissen J. J.
BIOLOGY OF BLOOD AND MARROW TRANSPLANTATION, vol.18, no.1, pp.55-65, 2012 (SCI-Expanded)
- XXIX. **Mobilization of Hepatic Mesenchymal Stem Cells From Human Liver Grafts**
Pan Q., Fouraschen S. M. G., Kaya F. S. F. A., Verstegen M. M., Pescatori M., Stubbs A. P., van IJcken W., van der Sloot A., Smits R., Kwekkeboom J., et al.
LIVER TRANSPLANTATION, vol.17, no.5, pp.596-609, 2011 (SCI-Expanded)
- XXX. **Lentiviral gene therapy of murine hematopoietic stem cells ameliorates the Pompe disease phenotype**
van Til N. P., Stok M., Kaya F. S. F. A., de Waard M. C., Farahbakhshian E., Visser T. P., Kroos M. A., Jacobs E. H., Willart M. A., van der Wegen P., et al.
BLOOD, vol.115, no.26, pp.5329-5337, 2010 (SCI-Expanded)
- XXXI. **Mesenchymal stem cell studies in children with inherited diseases: A proposal for identification of candidate diseases for mesenchymal stem cell therapies (PEDI-STEM project)**
Uckan D., Kilic E., Aerts F. S. F., Cetin M., Gumruk F., Tezeaner A.
CYTOTHERAPY, vol.8, 2006 (SCI-Expanded)

Articles Published in Other Journals

- I. **Modelling of rare diseases with induced pluripotent stem cells**
Erol Ö. D., Şeker M. E., Aerts Kaya F. S. F.
Türkiye Klinikleri Tıbbi Genetik - Kök Hücre ve Rejeneratif Tıp , vol.1, pp.10-17, 2021 (Non Peer-Reviewed Journal)
- II. **Hematopoietic Stem Cell Gene Therapy for Inherited Monogenic Diseases and Its Implications for Future Gene Therapy Trials in Turke**
Güney E. G., Erol Ö. D., AERTS KAYA F. S. F.
Trakya University Journal of Natural Sciences, vol.20, pp.17-32, 2020 (ESCI)
- III. **Göbek kordon kanı hayat kurtarabilir atmayın, bağışlayın!**
AERTS KAYA F. S. F.
Bilim ve Utopya, vol.24, no.284, pp.26-30, 2018 (Non Peer-Reviewed Journal)
- IV. **Hematopoetik ve Mezenkimal Kök Hücreler**
AERTS KAYA F. S. F., ÇELEBİ SALTİK B.
Türkiye Klinikleri J Plast Surg-Special Topics, vol.4, no.3, pp.11-18, 2015 (Non Peer-Reviewed Journal)

Books & Book Chapters

- I. **Hematopoetik kök hücreler ve Hematopoez**
AERTS KAYA F. S. F., Kansu E.
in: İç Hastalıkları Kitabı, volüm 2, Gürler İliçin, Kadir Biberoglu, Gültekin Süleymanlar, Serhat Ünal, Editor, Güneş Tıp Kitapevleri Yayınevi, pp.1477-1486, 2023
- II. **Generation and Hematopoietic Differentiation of Mesenchymal Stromal/Stem Cell-Derived Induced Pluripotent Stem Cell Lines for Disease Modeling of Hematopoietic and Immunological Diseases**
Güney-Esken G., Aerts Kaya F. S. F.
in: Methods in Molecular Biology, Kursad Turksen, Editor, Springer, London/Berlin , Berlin, pp.1-21, 2021
- III. **Stem Cell Applications in Lysosomal Storage Disorders: Progress and Ongoing Challenge**
Kose S., Aerts-Kaya F. S. F., ÇETİNKAYA F. D., Korkusuz P.
in: Advances in Experimental Medicine and Biology, Kursad Turksen, Editor, Springer, pp.135-162, 2021
- IV. **Stem Cell Applications In Lysosomal Storage Disorders: Progress And Ongoing Challenges.**
KÖSE S., AERTS KAYA F. S. F., ÇETİNKAYA F. D., KORKUSUZ P.
in: Advances in Experimental Medicine and Biology series, Cell Biology and Translational Medicine, Kürsüd Türksen, Editor, Springer, pp.1-28, 2021

- V. **Neurological regulation of the bone marrow niche**
AERTS KAYA F. S. F., Ulum B., Mammadova A., KÖSE S., Aydın G., KORKUSUZ P., ÇETİNKAYA F. D.
in: Cell Biology and Translational Medicine Volume 6, Kursad Türkşen, Editor, Springer, pp.127-153, 2020
- VI. **Kalp yetmezliğinde kök hücre uygulamaları**
AERTS KAYA F. S. F., ÇETİNKAYA F. D.
in: Kalp yetmezliği Cep Kitabı, Oto A., Kaya E.B., Aytemir K., Editor, Erkem Tıbbi Yayıncılık, Ankara, pp.173-183, 2016
- VII. **Radioprotective agents stimulating hematopoietic stem cell reconstitution. A translational approach.**
AERTS KAYA F. S. F.
Optima Grafi Sche Communicatie, Rotterdam, 2010
- VIII. **Immune modulation in gene therapy studies. Points to consider for Environmental Risk Assessment.**
AERTS KAYA F. S. F., Kaptein L., Wagemaker G.
Erasmus University, Rotterdam, 2010
- IX. **Mesenchymal Stem Cell Engineering and Transplantation**
AERTS KAYA F. S. F., Wagemaker G.
in: Genetic Engineering of Mesenchymal Stem Cells, Jan Nolte, Editor, Elsevier, pp.1-45, 2010
- X. **Mesenchymal stem cell engineering and transplantation**
AERTS KAYA F. S. F., Wagemaker G.
in: Genetic engineering of mesenchymal stem cells, Nolte J.A., Editor, Elsevier Science, Oxford/Amsterdam ,
Amsterdam, pp.1-45, 2004

Refereed Congress / Symposium Publications in Proceedings

- I. **Non-myelotoxic agents can be used as conditioning before hematopoietic stem cell gene therapy**
ŞEKER M. E., EROL DUYAR Ö. D., PERVİN B., AERTS KAYA F. S. F.
18. Tıbbi biyoloji ve genetik kongresi, Ankara, Turkey, 26 - 29 October 2023, vol.2
- II. **In vitro modeling of acute graft versus host disease using Rag2^{-/-} mouse colonoids**
PERVİN B., GİZER M., Sarı İ., GÜR S. N., POLAT E. G., ŞEKER M. E., EROL DUYAR Ö. D., DEĞİRMENCİ UZUN B.,
KORKUSUZ P., AERTS KAYA F. S. F.
18. Tıbbi biyoloji ve genetik kongresi, 26 - 29 October 2023, vol.2, pp.48
- III. **CXCR4 expression is critical for migration of BM-MSCs, but not for regeneration of intestinal damage**
PERVİN B., GİZER M., ŞEKER M. E., EROL DUYAR Ö. D., DEĞİRMENCİ UZUN B., KORKUSUZ P., AERTS KAYA F. S. F.
18. Tıbbi biyoloji ve genetik kongresi, 26 - 29 October 2023, vol.2, pp.46
- IV. **RAB27A Gen Tedavisinin Olası Tümörjenik Etkilerinin İncelenmesi**
EROL DUYAR Ö. D., ŞEKER M. E., PERVİN B., ÖZÇİMEN B., ŞENOCAK Ş., GİZER M., KORKUSUZ P., KILIÇ H. B.,
KOCAEFE Y. Ç., AERTS KAYA F. S. F.
18. Tıbbi biyoloji ve genetik kongresi, 26 - 29 October 2023, vol.2, pp.15
- V. **Hematopoietik kök hücre gen tedavisine hazırlık rejimi olarak miyelotoksik olmayan ilaçların kullanılması**
ŞEKER M. E., EROL DUYAR Ö. D., PERVİN B., AERTS KAYA F. S. F.
49 Yıllık THD kongresi, 01 November 2023 - 05 February 0023
- VI. **The role of in vitro and in vivo models in the development of gene therapy for immune deficiencies**
AERTS KAYA F. S. F.
18. Tıbbi biyoloji ve genetik kongresi, 26 - 29 October 2023
- VII. **Comparison of different methods for genetic correction of Griscelli Syndrome type II-derived stem cells**
EROL DUYAR Ö. D., ŞEKER M. E., PERVİN B., ÖZÇİMEN B., ŞENOCAK Ş., GÜR S. N., KILIÇ H. B., GİZER M., KORKUSUZ
P., KOCAEFE Y. Ç., et al.
EHA annual meeting 2023, 08 June 2023, vol.7
- VIII. **Non-Myelotoxic Chemicals As A Preparatory Regimen For Hematopoietic Stem Cell Gene Therapy**
ŞEKER M. E., EROL DUYAR Ö. D., PERVİN B., Wagemaker G., van Til N. P., AERTS KAYA F. S. F.

EHA annual meeting 2023, 08 June 2023, vol.7

- IX. **Correction of RAB27A from Griscelli Syndrome Type II-derived Mesenchymal Stem Cells**
EROL DUYAR Ö. D., ŞEKER M. E., AERTS KAYA F. S. F.
ESGCT 2021 annual congress, 19 - 22 October 2021, vol.32
- X. **Neuropeptide Y plays a role in the regulation of proliferation and quiescence of HSCs**
EROL Ö. D., ŞEKER M. E., PERVİN B., B. U., ÖZYÜNCÜ Ö., YANIK T., AERTS KAYA F. S. F.
İstinye Üniversitesi Kök Hücre ve Doku Mühendisliği Sempozyumu, Çevrimiçi, Turkey, 27 - 28 February 2021
- XI. **Hematopoetik Kök Hücre Naklinde Alıcıya Zarar Vermeyen Hazırlık Rejimlerinin Geliştirilmesi**
ŞEKER M. E., EROL Ö. D., PERVİN B., AERTS KAYA F. S. F.
İstinye Üniversitesi Kök Hücre ve Doku Mühendisliği Sempozyumu, Çevrimiçi, Turkey, 27 - 28 February 2021
- XII. **Repair of Griscelli Type 2 mesenchymal stem cells with a lentiviral vector carrying RAB27Aco**
Erol Ö. D., Şeker M. E., Pervin B., Van Til N. P., Günel Özcan A., Kocafe Y. Ç., Aerts Kaya F. S. F.
İstinye Üniversitesi Kök Hücre ve Doku Mühendisliği Sempozyumu, İstanbul, Turkey, 27 - 28 February 2021
- XIII. **Non-Enzymatic Dissociation Methods Preserve CXCR4 Expression of Mesenchymal Stem Cells**
Pervin B., Aydın G., ÇETİNKAYA F. D., AERTS KAYA F. S. F.
İstinye Üniversitesi Kök Hücre ve Doku Mühendisliği Sempozyumu, Çevrimiçi, Turkey, 27 - 28 February 2021
- XIV. **Role of Neuropeptide Y (NPY) in Regulating Hematopoietic Stem Cells.**
Ulum B., Mammadova A., ÖZYÜNCÜ Ö., ÇETİNKAYA F. D., YANIK T., AERTS KAYA F. S. F.
NIAID 13. annual fellows workshop, 13 November 2019
- XV. **Short-term hypothermic storage supports maintenance of transplantable hematopoietic stem cells.**
AERTS KAYA F. S. F., Pervin b., Mammadova A., Wagemaker G., ÇETİNKAYA F. D.
55. SLTB Congress Seville, Spain 2019, 2 - 04 October 2019
- XVI. **Östrojen reseptör pozitif MCF7 meme kanseri hücre hattı üzerine doğal biyoaktif bileşenlerden timokinon, kafeik asit fenetil ester fukoidanın antikanser etkilerinin karşılaştırmalı analizi.**
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23. Ulusal Kanser Kongresi 2019, Turkey, 17 - 21 April 2019, pp.319
- XVII. **Hematopoetik kök hücre regülasyonunda Nöropeptid Y (NPY)'in rolünün incelenmesi**
Ulum B., Mammadova A., ÖZYÜNCÜ Ö., ÇETİNKAYA F. D., YANIK T., AERTS KAYA F. S. F.
3. Kök Hücre ve Hücre Tedavileri Kongresi, Turkey, 12 - 14 April 2019, pp.137
- XVIII. **RAG2-/- ağır kombine immün yetmezliği hematopoetik kök hücre nakli ve gen tedavi optimizasyonu.**
Pervin b., Erol Ö. D., ÇETİNKAYA F. D., Wagemaker G., AERTS KAYA F. S. F.
3. Kök Hücre ve Hücre Tedavileri Kongresi 2019, Turkey, 12 - 14 April 2019, pp.67
- XIX. **Griscelli Tip 2 Mezenkimal Kök Hücrelerden Uyarılmış Pluripotent Kök Hücre Geliştirilmesi ve in vitro Hematopoetik Farklılaşması.**
Güney Esken G., erol ö. d., BİLGİÇ E., KORKUSUZ P., gürhan sevinç g., ÖNDER T. T., ÇETİNKAYA F. D., AERTS KAYA F. S. F.
3. Kök Hücre ve Hücre Tedavileri Kongresi 2019, Turkey, 12 - 14 April 2019, pp.72
- XX. **Doğal biyoaktif timokinon, kafeik asit fenetil ester ve fukoidan bileşenleri anti-meme kanseri aktivitelerinin triple-negatif MDA-MB-231 hücrelerinde araştırılması.**
Eroğlu Köksal E., BALTA G., AERTS KAYA F. S. F.
3. Kök Hücre ve Hücre Tedavileri Kongresi 2019, Turkey, 12 - 14 April 2019, pp.141
- XXI. **D-Ala2,D-Leu5,Enkefalin hematopoetik kök hücreleri in vitro oksidatif stres ve endoplasmik retikulum stresten korumaktadır.**
Mammadova A., Ulum B., ÖZYÜNCÜ Ö., AERTS KAYA F. S. F.
3. Kök Hücre ve Hücre Tedavileri Kongresi, Turkey, 12 - 14 April 2019, pp.66
- XXII. **Development and Differentiation of Induced Pluripotent Stem Cells from Griscelli type 2 patients**
Güney Esken G., Erol Ö. D., AERTS KAYA F. S. F.
20. NvGT 2019 annual meeting, 6 - 09 March 2019, pp.14-15
- XXIII. **The NPY-Y1 receptor for neuropeptide Y is highly expressed on hematopoietic stem cells from bone marrow and cord blood**
Ulum B., Guney-Esken G., ÖZYÜNCÜ Ö., Ucan-Cetinkaya D., YANIK T., Aerts-Kaya F. S. F.

Conference on Changing the Face of Modern Medicine - Stem Cell and Gene Therapy, Lausanne, Switzerland, 16 - 19 October 2018, vol.29

- XXIV. **Hematopoietic differentiation of induced pluripotent stem cells derived from patients with Griscelli syndrome type 2**
Guney-Esken G., Gurhan G., Onder T., Uckan-Cetinkaya D., Aerts-Kaya F. S. F.
Conference on Changing the Face of Modern Medicine - Stem Cell and Gene Therapy, Lausanne, Switzerland, 16 - 19 October 2018, vol.29
- XXV. **Mezenkimal Kök Hücreler Endokannabinoidler Aracılığı ile Hematopoietik Kök Hücre Mobilizasyonunu Düzenlemektedir**
KÖSE S., KÖPRÜ Ç. Z., KARAOSMANOĞLU B., TAŞKIRAN Z. E., AERTS KAYA F. S. F., NEMUTLU E., ÇETİNKAYA F. D., KORKUSUZ P.
Elektron Mikroskobu Kongresi, Turkey, 24 - 26 April 2019
- XXVI. **TGF-beta 1 Production By Bone Marrow Mesenchymal Stem Cells of Fanconi Anemia Complementation Groups**
Cagnan I., Gunel-Ozcan A., Aerts-Kaya F. S. F., Ameziane N., Kuskonmaz B., Dorsman J., Gumruk F., Cetinkaya D.
59th Annual Meeting of the American-Society-of-Hematology (ASH), Georgia, United States Of America, 9 - 12 December 2017, vol.130
- XXVII. **PKNOX2 regulated by TGFbeta is a new candidate to explain bone marrow failure in Fanconi Anemia.**
Cagnan I., Aerts Kaya F. S. F., Coşgun E., Konu Karakayalı Ö., Kuşkonmaz B. B., Çetinkaya F. D., Günel-Özcan A.
ISEH annual meeting 2017, Frankfurt, Germany, 24 - 27 August 2017, vol.53, pp.136
- XXVIII. **Development and characterization of iPS cell lines from a patient with Griscelli type 2 disease.**
Güney E. G., Pervin b., ŞAHAN Ö. B., ÇETİNKAYA F. D., ÖZCAN A., Schambach A., AERTS KAYA F. S. F.
ISEH annual meeting 2017, Frankfurt, Germany, 24 - 27 August 2017, vol.53, pp.135
- XXIX. **Human Mesenchymal Stem Cells support B-cell and T-cell differentiation of cord blood CD34 cells under optimized conditions.**
Visser T. P., van Til N., ÖZYÜNCÜ Ö., Wagemaker G., ÇETİNKAYA F. D., AERTS KAYA F. S. F.
ISEH annual meeting 2017, Frankfurt, Germany, 24 - 27 August 2017, vol.53, pp.135
- XXX. **Hypothermic storage of Hematopoietic Stem Cells can be used as an alternative to short-term cryopreservation.**
Visser T. P., Pervin b., ÇETİNKAYA F. D., Wagemaker G., AERTS KAYA F. S. F.
ISEH annual meeting 2017, Frankfurt, Germany, 24 - 27 August 2017, vol.53, pp.136
- XXXI. **Assessment Of ER Stress In Mesenchymal Stem Cells From Healthy And Obese Bone Marrow Donors.**
Ulum B., Teker H. T., Balta G., ÇETİNKAYA F. D., AERTS KAYA F. S. F.
ISEH annual meeting 2017, Frankfurt, Germany, 24 - 27 August 2017, vol.53, pp.135
- XXXII. **Comparison of research grade and GMP grade serum-free media for ex vivo expansion of hematopoietic stem cells**
Sharafi P., ÖZYÜNCÜ Ö., Johnston I., Uckan-Cetinkaya D., Wagemaker G., Aerts-Kaya F. S. F.
Conference on Changing the Face of Modern Medicine - Stem Cells and Gene Therapy, Florence, Italy, 18 - 21 October 2016, vol.27
- XXXIII. **Development of human cell lines that support in vitro B and T-cell differentiation of hematopoietic stem cells**
Guney G., van Til N., ÖZYÜNCÜ Ö., Uckan-Cetinkaya D., Aerts-Kaya F. S. F.
Conference on Changing the Face of Modern Medicine - Stem Cells and Gene Therapy, Florence, Italy, 18 - 21 October 2016, vol.27
- XXXIV. **CD271+bone marrow cells support in vitro expansion and lymphopoietic differentiation of human CD34+hematopoietic stem cells**
AYDIN G. B., ÖZYÜNCÜ Ö., Uckan-Cetinkaya D., Aerts-Kaya F. S. F.
Conference on Changing the Face of Modern Medicine - Stem Cells and Gene Therapy, Florence, Italy, 18 - 21 October 2016, vol.27
- XXXV. **Optimization of methods for hypothermic preservation of primary human hematopoietic stem cells in culture**

Sarikaya A., Visser T., ÖZYÜNCÜ Ö., Uckan-Cetinkaya D., Wagemaker G., Aerts-Kaya F. S. F.

Conference on Changing the Face of Modern Medicine - Stem Cells and Gene Therapy, Florence, Italy, 18 - 21 October 2016, vol.27

XXXVI. Change in HOX gene expression by osteogenic differentiation capacity of human bone marrow derived mesenchymal stromal/stem cells

Cagnan I., Aerts-Kaya F. S. F., Uckan D., ÖZCAN A.

Conference on Changing the Face of Modern Medicine - Stem Cells and Gene Therapy, Florence, Italy, 18 - 21 October 2016, vol.27

XXXVII. Obez Kemik İliği Mezenkimal Kök Hücrelerinin Endoplasmik Retikulum Stresi Yüksek ve Farklılaşma Kapasiteleri Düşüktür

Ulum B., Teker H. T., BALTA G., ÇETİNKAYA F. D., AERTS KAYA F. S. F.

42. Ulusal Hematoloji Kongresi, Turkey, 19 - 22 October 2016, pp.70-71

XXXVIII. İnsan Kemik İliğinde Rantes ve Reseptörlerinin İncelenmesi

KARAAĞAÇ AKYOL T., AERTS KAYA F. S. F., ÇETİNKAYA F. D.

42. Ulusal Hematoloji Kongresi 2016, Antalya, Turkey, 19 - 22 October 2016, pp.69

XXXIX. Mesenchymal stem cells regulate the hematopoietic stem cell mobilization through the endocannabinoids.

KÖSE S., KÖPRÜ Ç. Z., KARAOSMANOĞLU B., Taşkıran E. Z., AERTS KAYA F. S. F., NEMUTLU E., Altun B., ÇETİNKAYA F. D., KORKUSUZ P.

ESGCT annual meeting 2016, 18 - 21 October 2016, vol.27, pp.1-185

XL. Bone marrow derived CD271 cells support in vitro hematopoiesis.

AERTS KAYA F. S. F.

5. CELL-PID annual meeting 2016, 13 - 15 May 2016

XLI. Comparison of immunomodulatory and differentiation capacities of Mesenchymal Stem Cells derived from bone marrow and placental tissue

Sarikaya A., Aydın G., ÖZYÜNCÜ Ö., Özbek E., ÇETİNKAYA F. D., AERTS KAYA F. S. F.

XIII. Ulusal Histol ve Embriyol Kongresi, İzmir, Turkey, 30 April - 03 May 2016, pp.108-109

XLII. Mezenkimal Kök Hücreler Hematopoetik Kök Hücrelerin mobilizasyonunu Endokannabinoidler aracılığı ile düzenlemektedir.

KÖSE S., KÖPRÜ Ç. Z., KARAOSMANOĞLU B., TAŞKIRAN Z. E., AERTS KAYA F. S. F., NEMUTLU E., ÇETİNKAYA F. D., KORKUSUZ P.

XIII. Ulusal Histol ve Embriyol Kongresi, İzmir, Turkey, 30 April - 03 May 2016, pp.89-90

XLIII. Süt Çocukluğunun Geçici Hipogamaglobulinemisinde B Lenfosit Alt Grupları

Kara Eroglu F., Turul T., AERTS KAYA F. S. F., ÇAĞDAŞ AYVAZ D. N., TEZCAN F. İ., Sanal Ö.

2. Klinik İmmünoloji Kongresi 2016, Turkey, 31 March - 03 April 2016, pp.19

XLIV. Endoplasmic Reticulum Stress During Adipogenic Differentiation of Mesenchymal Stem Cells

Sarikaya A., Teker H. T., Ulum B., ÇETİNKAYA F. D., AERTS KAYA F. S. F.

2. Int. Congress on Stem Cells and Cellular Therapies, Antalya, Turkey, 15 - 18 October 2015, pp.101

XLV. Prospectively isolated CD271+Mesenchymal Stem Cells support expansion of Hematopoietic Stem Cells with lymphohematopoietic differentiation potential

AYDIN G. B., Uckan-Cetinkaya D., Aerts-Kaya F. S. F.

Collaborative Congress of the European-Society-of-Gene-and-Cell-Therapy (ESGCT) and Finnish-Society-of-Gene-Therapy (FSGT), Helsinki, Finland, 17 - 20 September 2015, vol.26

XLVI. Comparison of different serum-free media for in vitro expansion of Hematopoietic Stem Cells

Sharafi P., AYDIN G. B., Uckan-Cetinkaya D., Wagemaker G., Aerts-Kaya F. S. F.

Collaborative Congress of the European-Society-of-Gene-and-Cell-Therapy (ESGCT) and Finnish-Society-of-Gene-Therapy (FSGT), Helsinki, Finland, 17 - 20 September 2015, vol.26

XLVII. Unmodified Mesenchymal Stem Cells do not support in vitro T-and B-Cell differentiation of Hematopoietic Stem Cells

Sharafi P., Cevher I., Gunel-Ozcan A., Uckan-Cetinkaya D., Aerts-Kaya F. S. F.

Collaborative Congress of the European-Society-of-Gene-and-Cell-Therapy (ESGCT) and Finnish-Society-of-Gene-

Therapy (FSGT), Helsinki, Finland, 17 - 20 September 2015, vol.26

- XLVIII. **Endocannabinoids And Their Receptors Are Located On Human Bone Marrow Niche Mesenchymal Stem And Hematopoietic Progenitor Cells**
KÖSE S., AERTS KAYA F. S. F., AKAR İ., NEMUTLU E., KOCAEFE Y. Ç., ÇETİNKAYA F. D., KORKUSUZ P.
ISSCR annual meeting 2015, 24 - 27 June 2015
- XLIX. **The Effect of Endoplasmic Reticulum (ER) Stress on Human Bone Marrow Derived Mesenchymal Stem Cells**
Ulum B., AERTS KAYA F. S. F., Teker H. T., Balta G., ÇETİNKAYA F. D.
ISSCR annual meeting 2015, 24 - 27 June 2015, pp.1582
- L. **Current Concepts in Stem Cell Biology and Stem Cell types**
AERTS KAYA F. S. F., Kansu E.
V. Int congress of Mol Med 2015, İzmir, Turkey, 20 - 22 May 2015, pp.20
- LI. **Use of Mesenchymal Stem Cells as Feeder Cells to Support In Vitro T- and B-Cell Differentiation of Hematopoietic Stem Cells**
Cevher İ., Sharafi P., Aydın G., ÖZCAN A., ÇETİNKAYA F. D., AERTS KAYA F. S. F.
V. Int congress of Mol Med 2015, İzmir, Turkey, 20 - 22 May 2015, pp.182
- LII. **Comparison of different enzymatic and non-enzymatic methods on cell surface expression of CXCR4 by human CD34 Hematopoietic Stem Cells and Bone Marrow Mesenchymal Stem Cells.**
Aydın G., AERTS KAYA F. S. F., ÇETİNKAYA F. D.
EBMT annual meeting 2015, 22 - 25 March 2015, vol.50, pp.133
- LIII. **Gene expression of Notch receptors and ligands by human Mesenchymal Stem Cells from different tissues.**
Aydın G., AERTS KAYA F. S. F., ÖZCAN A., ÇETİNKAYA F. D.
EBMT annual meeting 2015, 22 - 25 March 2015, vol.50, pp.144
- LIV. **Effects of Platelet Derived Growth Factor (PDGF) and PDGF-R inhibitors on proliferation, apoptosis and cell cycle of Mesenchymal Stem Cells**
Güney G., Aerts-Kaya F. S. F., Uçkan-Cetinkaya D.
41st Annual Meeting of the European-Society-for-Blood-and-Marrow-Transplantation, İstanbul, Turkey, 22 - 25 March 2015, vol.50, pp.5561
- LV. **Split Chimerism Between Nucleated and Red Blood Cells in a Beta Thalassemia Patient After Stem Cell Transplantation**
OKUR F. V., Aerts-Kaya F. S. F., KUŞKONMAZ B. B., OKUR H., ÇETİN M., GÜMRÜK F., Uçkan-Cetinkaya D.
41st Annual Meeting of the European-Society-for-Blood-and-Marrow-Transplantation, İstanbul, Turkey, 22 - 25 March 2015, vol.50
- LVI. **Chemical inducers of Endoplasmic Reticulum (ER) Stress suppress proliferation and adipogenic differentiation of human Mesenchymal Stem Cells**
Ulum B., Aerts-Kaya F. S. F., Teker H. T., BALTA G., Uçkan-Cetinkaya D.
41st Annual Meeting of the European-Society-for-Blood-and-Marrow-Transplantation, İstanbul, Turkey, 22 - 25 March 2015, vol.50
- LVII. **Ex vivo expansion of HSCs using different commercially available media and cytokines**
AERTS KAYA F. S. F.
CELL-PID annual meeting 2015, 3 - 05 February 2015
- LVIII. **Effect of Imatinib on Proliferation, Apoptosis and Expression of Platelet Derived Growth Factor Receptor By Mesenchymal Stem Cells**
Aerts-Kaya F. S. F., Güney G., ÜNAL Ş., Uçkan-Cetinkaya D.
56th Annual Meeting of the American-Society-of-Hematology, San-Francisco, Costa Rica, 6 - 09 December 2014, vol.124
- LIX. **Gene expression of Notch receptors and ligands by plastic adherent and prospectively isolated MSCs**
Aydın G., Aerts-Kaya F. S. F., Cagnan I., Guenel-Oezcan A., Uçkan-Cetinkaya D.
ESGCT and NVGCT Collaborative Congress, The Hague, Netherlands, 23 - 26 October 2014, vol.25
- LX. **Effects of Platelet Derived Growth Factor (PDGF) on proliferation, apoptosis and PDGF-R expression**

by MSCs

Aerts-Kaya F. S. F., Gueney G., Uckan-Cetinkaya D.

ESGCT and NVGCT Collaborative Congress, The Hague, Netherlands, 23 - 26 October 2014, vol.25

- LXI. **Hücre kültürü: Klinik uygulamalar I**
AERTS KAYA F. S. F.
5. Dermatoimmünoloji ve Allerji Güz Okulu, Turkey, 18 - 21 September 2014
- LXII. **PLATELET DERIVED GROWTH-BB INHIBITS PROLIFERATION OF HUMAN BONE MARROW DERIVED MULTIPOTENT MESENCHYMAL STEM CELLS IN PRESENCE OF FETAL CALF SERUM AND RAPIDLY SUPPRESSES PDGF-RB EXPRESSION**
AERTS KAYA F. S. F., Güney E. G., Aydın G., Dönmez R., Kuskonmaz B., ÇETİNKAYA F. D.
EHA annual meeting 2014, Milan, Italy, 12 - 15 June 2014, vol.99, pp.727
- LXIII. **IMATINIB AND PLATELET DERIVED GROWTH FACTOR COOPERATE IN INHIBITION OF MESENCHYMAL STEM CELL PROLIFERATION AND SUPPRESSION OF PLATELET DERIVED GROWTH FACTOR RECEPTOR EXPRESSION**
AERTS KAYA F. S. F., Güney Esken G., Aydın G., Kuskonmaz B., ÇETİNKAYA F. D.
EHA annual meeting 2014, Milan, Italy, 12 - 15 June 2014, vol.99, pp.594-595
- LXIV. **Sağlıklı insan kemik iliği mikroçevresi ve Mezenkimal Kök Hücrelerde Platelet-Derived Growth Factor (PDGF) ve Reseptörünün (PDGF-R) incelenmesi.**
Güney Esken G., AERTS KAYA F. S. F., Aydın G., dönmez r., KUŞKONMAZ B. B., ÇETİNKAYA F. D.
1. Kök Hücre ve Hücreyel Tedaviler Kongresi 2014, Kocaeli, Turkey, 20 - 23 March 2014, pp.30-31
- LXV. **Fankoni Anemili Hastaların Kemik İliği Mezenkimal Kök Hücrelerinde PREP2 Gen İfadesi Donörlere Oranla Düşüş Göstermektedir.**
ÇAĞNAN I., Coşgun E., KONU KARAKAYALI Ö., AERTS KAYA F. S. F., KUŞKONMAZ B. B., ÖZCAN A.
1. Kök Hücre ve Hücreyel Tedaviler Kongresi 2014, Kocaeli, Turkey, 20 - 23 March 2014
- LXVI. **Kemik iliğinden prospektif olarak izole edilen CD271 ve Plastik-Aderan Mezenkimal Kök Hücre özelliklerinin karşılaştırılması ve hematopoez destekleyici özelliklerinin araştırılması.**
Aydın G., AERTS KAYA F. S. F., Güney Esken G., ÇETİNKAYA F. D.
1. Kök Hücre ve Hücreyel Tedaviler Kongresi 2014, Kocaeli, Turkey, 20 - 23 March 2014, pp.36-37
- LXVII. **Polymeric scaffolds with different alignment and their interactions with bone marrow derived mesenchymal stem cells**
KÖSE S., AERTS KAYA F. S. F., DENKBAŞ E. B., KORKUSUZ P., ÇETİNKAYA F. D.
1. Kök Hücre ve Hücreyel Tedaviler Kongresi, Kocaeli, Turkey, 20 - 23 March 2014
- LXVIII. **Enzimatik ve non-enzimatik kaldırma yöntemlerin hematopoetik ve mezenkimal kök hücre yüzey reseptörlerin ve CXCR4 ifadelerine üzerine olan etkisi.**
Aydın G., AERTS KAYA F. S. F., ÇETİNKAYA F. D.
1. Kök Hücre ve Hücreyel Tedaviler Kongresi 2014, Kocaeli, Turkey, 20 - 23 March 2014
- LXIX. **Sağlıklı insan Mezenkimal Kök Hücre farklılaşması, çoğalması ve PDGF-R ekspresyonu üzerinde İmatinib Mesylate'ın etkisi**
Güney Esken G., AERTS KAYA F. S. F., Aydın G., KUŞKONMAZ B. B., ÇETİNKAYA F. D.
1. Kök Hücre ve Hücreyel Tedaviler Kongresi 2014, Kocaeli, Turkey, 20 - 23 March 2014, pp.51-52
- LXX. **Bone marrow niche: the role of PDGF/PDGFR and in ex vivo expansion of hematopoietic stem cells**
AERTS KAYA F. S. F.
CELL-PID annual meeting 2014, 25 - 27 February 2014
- LXXI. **Expansion of hematopoietic stem/progenitor cells from bone marrow, peripheral blood and umbilical cord blood under serum-free conditions by co-culture with plastic adherent or CD271mesenchymal stromal cells**
AERTS KAYA F. S. F., Aydın G., ÖZYÜNCÜ Ö., AYTAÇ EYÜPOĞLU Ş. S., ÇETİNKAYA F. D.
ESGCT annual meeting 2013, Madrid, Spain, 25 - 28 October 2013, vol.24, pp.90-91
- LXXII. **Isolation and Characterization of Prospectively Isolated CD271Human Bone Marrow-derived Mesenchymal Stromal Cells**
AERTS KAYA F. S. F., Aydın G., ÇETİNKAYA F. D.

ESGCT annual meeting 2013, Madrid, Spain, 25 - 28 October 2013, vol.24, pp.93

- LXXIII. **Sağlıklı insan kemik iliği endosteal ve santral bölgelerinde sitokin ekspresyonları ve G-CSF etkisi.**
AERTS KAYA F. S. F., ÇAĞNAN I., KÖSE S., Aydın G., KUŞKONMAZ B. B., ÇETİNKAYA F. D.
39. Ulusal Hematoloji Kongresi 2013, Turkey, 23 - 26 October 2013, pp.42-43
- LXXIV. **Kemik iliğinden prospektif izolasyon yapılarak elde edilen CD271 Mezenkimal Stromal Hücrelerin in vitro hematopoezi destekleyici etkisi.**
AERTS KAYA F. S. F., Aydın G., AYTAÇ EYÜPOĞLU Ş. S., ÇETİNKAYA F. D.
39. Ulusal Hematoloji Kongresi 2013, Turkey, 23 - 26 October 2013, pp.76-77
- LXXV. **Expression of HAS-MIR-3065-3P was significantly downregulated in fanconi anemia patient bone marrow derived mesenchymal stem cells following bone marrow transplantation.**
Cagnan I., KONU KARAKAYALI Ö., AERTS KAYA F. S. F., Kuskonmaz B., ÇETİNKAYA F. D., ÖZCAN A.
ISSCR 2013, 15 - 18 September 2013, pp.37-38
- LXXVI. **ASSESSMENT OF HUMAN BONE MARROW PLASMA SAMPLES SUGGESTS A DIFFERENT ROLE FOR MESENCHYMAL STROMAL CELLS IN DISTINCT AREAS MEDIATED BY PDGF-BB/PDGF-R**
AERTS KAYA F. S. F., Cagnan I., Aydın G., KÖSE S., Semerci A., Kuskonmaz B., ÇETİNKAYA F. D.
ISEH annual meeting 2013, Vienna, Austria, 22 - 25 August 2013, vol.41, pp.61
- LXXVII. **Differential miRNA Expression Profile of Bone Marrow Derived Mesenchymal Stem Cells in Fanconi Anemia Patients and Healthy Donors**
ÖZCAN A., Cagnan I., KONU KARAKAYALI Ö., AERTS KAYA F. S. F., Kuskonmaz B., ÇETİNKAYA F. D.
ISEH annual meeting 2013, 22 - 25 August 2013, vol.41, pp.61
- LXXVIII. **DIFFERENTIAL CYTOKINE EXPRESSION PROFILE OF HEALTHY HUMAN BONE MARROW PLASMA SAMPLES FROM THE ENDOSTEAL AND VASCULAR REGION**
AERTS KAYA F. S. F., Kılıç E., Aydın G., KÖSE S., Cagnan I., GÜLTEKİN Ö., Kuskonmaz B., ÇETİNKAYA F. D.
ISEH annual meeting 2013, Vienna, Austria, 22 - 25 August 2013, vol.41, pp.61
- LXXIX. **Polymeric Scaffolds with Different Alignment And Their Interactions With Bone Marrow-Derived Mesenchymal Stem Cells**
KÖSE S., AERTS KAYA F. S. F., DENKBAŞ E. B., KORKUSUZ P., ÇETİNKAYA F. D.
ISEH annual meeting 2013, 22 - 25 August 2013, vol.41, pp.62
- LXXX. **LACTIC ACID BACTERIA CAN REDUCE TLR-4 EXPRESSION ON INFLAMMATED GINGIVAL FIBROBLASTS AND MESENCHYMAL STEM CELLS IN VITRO**
Mendi A., Kose S., Kaya F. A., Uckan D., YILMAZ D., Aral L.
42nd Annual Scientific Meeting of the International-Society-for-Experimental-Hematology-and-Stem-Cells (ISEH), Vienna, Austria, 22 - 25 August 2013, vol.41
- LXXXI. **IRON OXIDE NANOPARTICLE LABELING OF MESENCHYMAL STROMAL CELLS**
Kilic E., Kaya F. A., Kose S., Anlar B., Uckan D.
42nd Annual Scientific Meeting of the International-Society-for-Experimental-Hematology-and-Stem-Cells (ISEH), Vienna, Austria, 22 - 25 August 2013, vol.41
- LXXXII. **EFFECTS OF IN-VIVO G-CSF STIMULATION ON CYTOKINE LEVELS IN BONE MARROW PLASMA SAMPLES FROM HEALTHY DONORS**
Kaya F. S. F., Kose S., Aydın G., Cagnan I., BOCUTCU S., KUŞKONMAZ B. B., Uckan D.
42nd Annual Scientific Meeting of the International-Society-for-Experimental-Hematology-and-Stem-Cells (ISEH), Vienna, Austria, 22 - 25 August 2013, vol.41
- LXXXIII. **Differential levels of cytokines in the vascular and endothelial bone marrow niches of G-CSF stimulated and unstimulated human donors.**
AERTS KAYA F. S. F.
CELL-PID annual meeting 2013, 19 - 22 February 2013
- LXXXIV. **HOX-TALE genes show highly conserved yet heterogeneous expression profiles among fanconi anemia patients and healthy donors**
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- LXXXVI. **Kök Hücre Gen Terapisinde İmmün Cevap**
AERTS KAYA F. S. F., ÇETİNKAYA F. D.
1. Kök Hücre Araştırmaları Kongresi 2011, Turkey, 28 September - 02 October 2011
- LXXXVII. **Sağlıklı donörlerden elde edilen mezenkimal kök hücrelerin sayısı ve kalitesi üzerine donör yaşının etkisi**
AERTS KAYA F. S. F., KÖSE S., ÇETİNKAYA F. D.
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- AERTS KAYA F. S. F., KORKUSUZ P., Project Supported by Higher Education Institutions, Akut GvHD Modellerinde Bağırsak Mezenkimal Hücrelerin İmmün Modulator Etkilerinin Değerlendirilmesi 221S958 TÜBİTAK Projesine Ek Bütçe, 2024 - Continues
- AERTS KAYA F. S. F., Erol Ö. D., KAYIKÇI U., Şeker M. E., Şenocak Ş., DEREN Ö., Project Supported by Higher Education Institutions, Farklı Germ Yaprağı Kökenli Kök Hücrelerden Geliştirilen uPKH'lerin İn Vitro Farklılaşma Kapasitelerinin Karşılaştırılması, 2024 - Continues
- AERTS KAYA F. S. F., Gür S. N., PERVİN B., Project Supported by Higher Education Institutions, In vitro İnflamatuar Bağırsak Hastalığı Modelinde Zonulin İnhibitörünün Etkisinin Araştırılması, 2023 - Continues
- AERTS KAYA F. S. F., Pervin B., EROL Ö. D., ŞEKER M. E., ÖZYÜNCÜ Ö., Project Supported by Higher Education Institutions, Mezenkimal Hematopoetik ve uyarılmış Pluripotent Kök Hücrelerin DondurmaÇözme Süreçlerinin Optimizasyonunda SUL109 ve Resveratrolun Koruyucu Etkilerinin Araştırılması, 2022 - Continues

Aerts Kaya F. S. F., Değirmenci B., KORKUSUZ P., TUBITAK Project, Evaluation of Immune Modulatory Effects of Intestinal Mesenchymal Cells in Acute GvHD Models, 2022 - 2025

AERTS KAYA F. S. F., KOCAEFE Y. Ç., KARAASLAN İ. Ç., Project Supported by Higher Education Institutions, Temel bilimlerde viral vektör ve genetik modifikasyon yöntemlerinin araştırılması, 2022 - 2024

AERTS KAYA F. S. F., Polat E. G., Project Supported by Higher Education Institutions, Melatoninin Obez Donor Mezenkimal Kök Hücrelerinde Hücrel Strese Bağlı Olarak Oluşan Fonksiyon Bozuklukları Üzerindeki Etkilerinin Değerlendirilmesi, 2022 - 2024

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AERTS KAYA F. S. F., KORKUSUZ P., TUBITAK Project, Griscelli Sendromu Uyarılmış Pluripotent Kök Hücrelerinin Genetik Modifikasyonu ve Gen Tedavi Geliştirilmesi, 2020 - 2023

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AERTS KAYA F. S. F., EROL Ö. D., VAN TIL N. P., Project Supported by Higher Education Institutions, GRISCELLI SENDROMU GENETİK MODİFİKASYON İÇİN CRISPR/CAS9 VE LENTİVİRAL KONSTRAKTLARIN HAZIRLANMASI, 2019 - 2021

AERTS KAYA F. S. F., ULUM B., TUBITAK Project, Hematopoetik Kök Hücre Regülasyonunda Nöropeptid Y (Npy)´nin Rolünün İncelenmesi, 2019 - 2020

AERTS KAYA F. S. F., Mammadova A., ÖZYÜNCÜ Ö., Project Supported by Higher Education Institutions, Delta-Opioid Peptide D-Ala2-Leu5-Enkephalin´in Hematopoetik Kök Hücrelerin Sağ Kalımındaki Rolü ve Antioksidatif ve Antiapoptotik Etkilerinin Araştırılması, 2018 - 2019

AERTS KAYA F. S. F., ÖZYÜNCÜ Ö., TUBITAK Project, Hematopoetik Kök Hücrelerin Hipotermik Saklama Koşullarının Optimizasyonunun Araştırılması, 2018 - 2019

AERTS KAYA F. S. F., ÇETİNKAYA F. D., ULUM B., AYDIN SON Y., YANIK T., ÖZYÜNCÜ Ö., Project Supported by Higher Education Institutions, HEMATOPOETİK KÖK HÜCRE HİBERNASYONUNDA NÖROPEPTİD Y (NPY)´İN ROLÜNÜN İNCELENMESİ, 2018 - 2019

Aerts Kaya F. S. F., Wagemaker G., TUBITAK Project, Kalıtsal hastalıklar için hematopoetik kök hücre gen tedavisinin geliştirilmesi, 2018 - 2019

AERTS KAYA F. S. F., TUBITAK Project, Griscelli Sendromu Upkh (Uyarılmış Pluripotent Kök Hücre) Geliştirmesi, Karakterizasyonu ve Lenfohematopoetik Farklılaşması, 2015 - 2019

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AERTS KAYA F. S. F., Project Supported by Higher Education Institutions, Plasenta, Kordon Kanı ve Kemik İliğinden İzole Edilen CD271+ MKH lerin Özelliklerinin Karakterizasyonu ve İmmünohematopoez Desteleyici Özelliklerinin İncelenmesi, 2013 - 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

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ÖZDEMİR E., KOCA G., AKBIYIK F., AYYILDIZ E., AYDOĞDU G., ÇAKMAK SAYLA F., Project Supported by Higher Education Institutions, DMSO ile kriyoprezerve edilen hematopoietik kök hücrelerden DMSO uzaklaştırılmasının kök hücre sayı ve canlılığı üzerine etkisi, 2015 - 2016

Metrics

Publication: 174

Citation (WoS): 363

Citation (Scopus): 350

H-Index (WoS): 9

H-Index (Scopus): 9

Congress and Symposium Activities

ISEH, Attendee, Frankfurt, Germany, 2017

ESGCT, Attendee, Florence, Italy, 2016

ESGCT, Attendee, Helsinki, Finland, 2015

ESGCT, Attendee, The Hague, Netherlands, 2014

ISEH, Attendee, Vienna, Austria, 2013

ASGT, Attendee, California, United States Of America, 2009

ASH, Attendee, California, United States Of America, 2008

ESGCT, Attendee, Bruges, Belgium, 2008

EHA, Attendee, Kobenhavn, Denmark, 2008

ESGCT, Attendee, Rotterdam, Netherlands, 2007

EBMT, Attendee, İstanbul, Turkey, 2003

EBMT, Attendee, Amsterdam, Netherlands, 1998

Non Academic Experience

Erasmus University Rotterdam, Erasmus Medical Center

Erasmus University Rotterdam, Erasmus Medical Center