

## Assoc. Prof. FATİMA SUSANNA F. AERTS KAYA

### Personal Information

**Office Phone:** [+90 312 305 2821](tel:+903123052821) Extension: 159

**Email:** fatima.aerts@hacettepe.edu.tr

**Web:** <https://avesis.hacettepe.edu.tr/fatima.aerts>

**Address:** Hacettepe Üniversitesi Kök Hücre Bilimleri AD Kök Hücre Araştırma ve Uygulama Merkezi 06100 Sıhhiye Ankara

### Education Information

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

Under Graduate, 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

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

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

### Courses

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

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

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

### Advising Theses

Aerts Kaya F. S. F. , Assessment of the role and antioxidative and antiapoptotic effects of delta-opioid peptide d-ala2-leu5-enkephalin on the viability of hematopoietic stem cells, Post Graduate, 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, Post Graduate, A.SARIKAYA(Student), 2018

Aerts Kaya F. S. F. , Analyse de la Niche Hematopoietique Humaine: Expression de PDGF et de son Recepteur., Post Graduate, G.Güney(Student), 2014

## Jury Memberships

Doctorate, Doktora Tezi Savunma Jürisi, Hacettepe Üniversitesi, December, 2017

## Articles Published in Journals That Entered SCI, SSCI and AHCI Indexes

- I. **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, pp.287, 2021 (Journal Indexed in SCI)
- II. **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, 2021 (Journal Indexed in SCI Expanded)
- III. **Comparison of immune modulatory properties of human multipotent mesenchymal stromal cells derived from bone marrow and placenta**  
Sarıkaya A., Aydın G., Ozyuncu O., Sahin E., ÇETİNKAYA F. D. , AERTS KAYA F. S. F.  
BIOTECHNIC & HISTOCHEMISTRY, 2021 (Journal Indexed in SCI)
- IV. **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 (Journal Indexed in SCI)
- V. **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 (Journal Indexed in SCI)
- VI. **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 (Journal Indexed in SCI)
- VII. **Neuropeptide Y is involved in the regulation of quiescence of hematopoietic stem cells**  
Ulum B., Mammadova A., ÖZYÜNCÜ Ö., Uçkan-Cetinkaya D., YANIK T., Aerts-Kaya F. S. F.  
NEUROPEPTIDES, vol.80, 2020 (Journal Indexed in SCI)
- VIII. **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.  
Biology of blood and marrow transplantation : journal of the American Society for Blood and Marrow Transplantation, 2020 (Journal Indexed in SCI)
- IX. **Neurological Regulation of the Bone Marrow Niche**  
Aerts-Kaya F. S. F. , Ulum B., Mammadova A., Köse S., Aydın 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 (Journal Indexed in SCI)

- X. **Characterization of mesenchymal stem cells in mucopolidosis 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 (Journal Indexed in SCI)
- XI. **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 (Journal Indexed in SCI)
- XII. **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 (Journal Indexed in SCI)
- XIII. **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 (Journal Indexed in SCI)
- XIV. **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 (Journal Indexed in SCI)
- XV. **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 (Journal Indexed in SCI)
- XVI. **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 (Journal Indexed in SCI)
- XVII. **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 (Journal Indexed in SCI)
- XVIII. **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 (Journal Indexed in SCI)
- XIX. **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 (Journal Indexed in SCI)
- XX. **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 (Journal Indexed in SCI)
- XXI. **Mobilization of Hepatic Mesenchymal Stem Cells From Human Liver Grafts**  
Pan Q., Fouraschen S. M. G. , Kaya F. S. F. A. , Versteegen 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 (Journal Indexed in SCI)

XXII. **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 (Journal Indexed in SCI)

XXIII. **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 (Journal Indexed in SCI)

## Articles Published in Other Journals

I. **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 (Other Refereed National Journals)

II. **Göbek kordon kanı hayat kurtarabilir atmayın, bağışlayın!**

AERTS KAYA F. S. F.

Bilim ve Utopya, vol.24, no.284, pp.26-30, 2018 (National Non-Refereed Journal)

III. **Hematopoetik ve Mezenkimal Kök Hücreler**

AERTS KAYA F. S. F. , ÇELEBİ SALTIK B.

Türkiye Klinikleri J Plast Surg-Special Topics, vol.4, no.3, pp.11-18, 2015 (National Non-Refereed Journal)

## Books & Book Chapters

I. **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

II. **Radioprotective agents stimulating hematopoietic stem cell reconstitution. A translational approach.**

AERTS KAYA F. S. F.

Optima Grafi Sche Communicatie, Rotterdam, 2010

III. **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

IV. **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. **The NPY-Y1 receptor for neuro peptide Y is highly expressed on hematopoietic stem cells from bone marrow and cord blood**

Ulum B., Guney-Esken G., ÖZYÜNCÜ Ö., Uckan-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

II. **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

- III. **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
- IV. **TGF-beta 1 Production By Bone Marrow Mesenchymal Stem Cells of FANCD2 Differs from Other 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
- V. **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
- VI. **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
- VII. **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
- VIII. **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
- IX. **Optimization of methods for hypothermic preservation of primary human hematopoietic stem cells in culture**  
Sarıkaya 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
- X. **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
- XI. **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
- XII. **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

- XIII. **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., Uckan-Cetinkaya D.  
41st Annual Meeting of the European-Society-for-Blood-and-Marrow-Transplantation, İstanbul, Turkey, 22 - 25 March 2015, vol.50
- XIV. **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., Uckan-Cetinkaya D.  
41st Annual Meeting of the European-Society-for-Blood-and-Marrow-Transplantation, İstanbul, Turkey, 22 - 25 March 2015, vol.50
- XV. **Effects of Platelet Derived Growth Factor (PDGF) and PDGF-R inhibitors on proliferation, apoptosis and cell cycle of Mesenchymal Stem Cells**  
Guney G., Aerts-Kaya F. S. F. , Uckan-Cetinkaya D.  
41st Annual Meeting of the European-Society-for-Blood-and-Marrow-Transplantation, İstanbul, Turkey, 22 - 25 March 2015, vol.50, pp.5561
- XVI. **Effect of Imatinib on Proliferation, Apoptosis and Expression of Platelet Derived Growth Factor Receptor By Mesenchymal Stem Cells**  
Aerts-Kaya F. S. F. , Guney G., ÜNAL Ş., Uckan-Cetinkaya D.  
56th Annual Meeting of the American-Society-of-Hematology, San-Francisco, Costa Rica, 6 - 09 December 2014, vol.124
- XVII. **Gene expression of Notch receptors and ligands by plastic adherent and prospectively isolated MSCs**  
Aydin G., Aerts-Kaya F. S. F. , Cagnan I., Guenel-Oezcan A., Uckan-Cetinkaya D.  
ESGCT and NVGCT Collaborative Congress, The Hague, Netherlands, 23 - 26 October 2014, vol.25
- XVIII. **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
- XIX. **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
- XX. **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
- XXI. **Comparison of miRNA expression profile during adipocyte induction of mesenchymal stem cells from bone marrows of malignant infantile osteopetrosis patients and bone marrow donors reveals 15 differentially expressed miRNAs**  
Günel-Ozcan A., KILIÇ E., Aerts-Kaya F. S. F. , ÇETİN M., Uckan D.  
36th Annual Meeting of the European-Group-for-Blood-and-Marrow-Transplantat/9th Meeting of the EBMT Data-Management-Group/26th Meeting of the EBMT Nurses Group/2nd EBMT Qual Management Meeting, Vienna, Austria, 21 - 24 March 2010, vol.45
- XXII. **Culture of mesenchymal stem cells in presence of human platelet lysate as an alternative for animal-derived serum**  
Aerts-Kaya F. S. F. , Arslan S., Uckan D.  
36th Annual Meeting of the European-Group-for-Blood-and-Marrow-Transplantat/9th Meeting of the EBMT Data-Management-Group/26th Meeting of the EBMT Nurses Group/2nd EBMT Qual Management Meeting, Vienna, Austria, 21 - 24 March 2010, vol.45

- XXIII. **Lessons from non-gene therapy studies to predict the environmental risk in immune modulation gene therapy**  
Aerts-Kaya F. S. F. , Kaptein L., Wagemaker G.  
Combined Meeting of the 17th European-Society-of-Gene-and-Cell-Therapy/16th German-Society-for-Gene-Therapy/4th German-Society-for-Stem-Cell-Research, Hannover, Germany, 21 - 25 November 2009, vol.20, pp.1470-1471
- XXIV. **MOBILIZATION, IMMUNOMODULATION AND HEPATIC DIFFERENTIATION OF HUMAN GRAFT MESENCHYMAL STEM CELLS IN LIVER TRANSPLANTATION**  
Pan O., Fouraschen S. M. G. , Aerts-Kaya F. S. F. , van der Sloot A., Kazemier G., Kwekkeboom J., Metselaar H. J. , Tilanus H. W. , Wagemaker G., Janssen H. L. A. , et al.  
15th Annual Congress of the International-Liver-Transplantation-Society, New-York, United States Of America, 8 - 11 July 2009, vol.15
- XXV. **HUMAN LIVER HEMATOPOIETIC STEM CELLS HAVE A MULTI-POTENT AND SELF-RENEWAL CAPACITY AND MAY FUNCTION AS LOCAL PROGENITORS FOR LIVER-RESIDENT LEUKOCYTES**  
Pan Q., Aerts-Kaya F. S. F. , Kazemier G., Kwekkeboom J., Metselaar H. J. , Tilanus H. W. , Janssen H. L. A. , Wagemaker G., van der Laan L. J. W.  
15th Annual Congress of the International-Liver-Transplantation-Society, New-York, United States Of America, 8 - 11 July 2009, vol.15
- XXVI. **Mobilization, Immunomodulation and Hepatic Differentiation of Graft-Resident Human Mesenchymal Stem Cells in Liver Transplantation.**  
Pan Q., Fouraschen S. M. G. , Aerts-Kaya F. S. F. , Verstegen M. M. A. , van der Sloot A., Smits R., Kwekkeboom J., Metselaar H., Tilanus H. W. , Wagemaker G., et al.  
9th Joint Meeting of the American-Society-of-Transplant-Surgeon/American-Society-of-Transplantation, Massachusetts, United States Of America, 30 May - 03 June 2009, vol.9, pp.464
- XXVII. **EFFICACY OF RECOMBINANT HUMAN AND RHESUS THROMBOPOIETIN STIMULATED BLOOD TRANSFUSIONS IN COMPARISON TO UNSTIMULATED WHOLE BLOOD OR THROMBOCYTE TRANSFUSIONS IN A NON-HUMAN PRIMATE MODEL**  
Kaya F. S. F. , Visser T. P. , Hartong S. C. C. , Agur Z., Wagemaker G.  
13th Congress of the European-Hematology-Association, Copenhagen, Denmark, 12 - 15 June 2008, vol.93, pp.154
- XXVIII. **HE2100 (5-androstene-3 beta,17 beta-diol) after cytoreductive total body irradiation of rhesus monkeys promotes the recovery of immature CD34+bone marrow cells, accelerates platelet, granulocyte and red cell reconstitution, and alleviates neutropenia and anemia**  
Kaya-Aerts F. S. F. , Visser T., Reading C., Frincke J., Verstegen M., Stickney D., Wagemaker G.  
47th Annual Meeting of the American-Society-of-Hematology, Georgia, United States Of America, 10 - 13 December 2005, vol.106

## Other Publications

- I. **Göbek kordon kanı hayat kurtarabilir; atmayın, bankaya bağışlayın!**  
AERTS KAYA F. S. F.  
Other, pp.26-30, 2018

## Supported Projects

OSKAY HALAÇLI S., AERTS KAYA F. S. F. , ÇAĞDAŞ AYVAZ D. N. , TEZCAN F. İ. , Project Supported by Higher Education Institutions, Kombine İmmün Yetmezlik Tanısı Alan Hasta Grubunda Regülatuar T ve B Hücre Alt Gruplarının Araştırılması, 2018 - Continues

Aerts Kaya F. S. F. , TUBITAK Project, Optimization of gene therapy culture conditions and engraftment of hematopoietic stem cells , 2020 - 2021

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

ÇETİNKAYA F. D. , KARAAĞAÇ AKYOL T. , ÖZCEBE O. İ. , NEMUTLU E. , AERTS KAYA F. S. F. , Project Supported by Higher Education Institutions, MEZENKİMAL KÖK HÜCRE ÜRETİMİNDE in vitro TEMELLİ METABOLOMİK VE ANALİZLER, 2018 - 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. , 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. , Yanık T. , Project Supported by Higher Education Institutions, Assessment of the Role of Neuropeptide Y on Hibernation of Hematopoietic Stem Cells, 2017 - 2018

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 Destekleyici Özelliklerinin İncelenmesi, 2013 - 2017

Aerts Kaya F. S. F. , Çetinkaya F. D. , Project Supported by Other Private Institutions, Endoplasmik retikülüm (ER) stresi indükleyen ve azaltan kimyasalların Mezenkimal Kök Hücrelerin proliferasyonu ve farklılaşma kapasitesindeki rolünün araştırılması, 2015 - 2016

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 sayısı ve canlılığı üzerine etkisi, 2015 - 2016

## **Edit 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

## **Citations**

Total Citations (WOS):158

h-index (WOS):6