# CURRICULUM VITAE

**1. Name:** Rasime Kalkan
**2. Date of Birth:** 20.06.1984
**3. Title:**

**4. Degrees:**

| Degree | Field | Institution | Date |
|---|---|---|---|
| B.Sc. | Biology | Eskisehir Osmangazi University Art and Science Faculty | 2001 |
| Ph.D. | Medical Genetics | Eskisehir Osmangazi University Medical Faculty Department of Medical Genetics | 2011 |
| Post-Doc. | Medical Genetics | Near East University, Faculty of Medicine | Jan. 2012-Present |

**5. Years of Service on Faculty:**

**Assistant Professor:**
**Associate Professor**
**Professor**

**6. Master / Ph.D. Theses Supervision:**

**6.1 Master Thesis- Completed:**

**6.3 Ph.D. Thesis- Completed:**

Detection of alterations for mutation and methylation patterns in the cases with glioblastoma (Eskisehir Osmangazi University Medical faculty funded)

**7. Publications:**

**7.1** ***International Journals:***

1. Atli EA, Kalkan R, Ciftci E, Ozkara E, Cilingir O, Ozdemir M, Ozbek Z, Artan S, Arslantas A, IDH2 mutations in a Turkey series of Primary Glioblastoma, Journal of Neurological Sciences 2014, Volume 31, Number 4, Page(s) 693-698

2. Kalkan R, Atli Eİ, Geçmişten Günümüze Glioblastoma Genetiği, Turk Neuors. 2014, Cilt: 24, Sayı: 3, 1-11

3. Kalkan R, Atli Eİ, Özdemir M, Çiftçi E,Aydin HE, Artan S, Arslantaş A, IDH1 mutations is prognostic marker for primary Glioblastoma Multiforme but MGMT hypermethylation is not prognostic for primary Glioblastoma Multiforme, Gene 554 (2015) 81–86 DOI: 10.1016/j.gene.2014.10.027

4. Kalkan R, Epigenetics of Glioblastoma Multiforme. J Clinic Res Bioeth 2015, 6:3 http://dx.doi.org/10.4172/2155-9627.1000225

5. Kalkan R, Glioblastoma stem cells; as a new therapeutic targets for Glioblastoma. Clinical Medicine Insights: Oncology 2015:9 95-103 DOI: 10.4137/CMO.S30271

6. Emine İkbal Atli, Rasime Kalkan ,Muhsin Özdemir, Hasan Emre Aydın, Ali Arslantaş, Sevilhan Artan, RARβ gene methylation is the candidate for the treatment planning in Primary Glioblastoma, in press, African Health Sciences

7. Rasime Kalkan, Nermin Özdağ, Rüveyde Bundak, Nedime Serakıncı. A unique mosaic Turner syndrome patient with Androgen Receptor gene derived marker chromosome. In press, Systems Biology in Reproductive Medicine, DOI: 10.3109/19396368.2015.1109007

8. Kalkan R, Glioblastoma Multiforme: The Genetic Perspective of the Treatment Planning. Critical Reviews™ in Eukaryotic Gene Expression, 25(4):1–6 (2015) DOI: 10.1615/CritRevEukaryotGeneExpr.2015014259

9. Kalkan R, Hypoxia is the driving force behind GBM and could be a new tool in GBM treatment, Critical Reviews™ in Eukaryotic Gene Expression, 25(4):1–8 (2015) DOI: 10.1615/CritRevEukaryotGeneExpr.2015015601

10. Serakinci, N., Kalkan, R., Tulay, P., Double faced role of human mesenchymal stem cells and their role in cancer therapy and challenges, Submitted work.

11. Serakinci N , Mueller OT , Willems P, Kalkan R. A Novel TBX19 Gene Mutation in Congenital Adenocorticotropic Hormone Deficiency, Submitted work.

12. Kalkan R. The importance of the mutational drivers in the GBM, Critical Reviews™ in Eukaryotic Gene Expression, in press

**7.2** ***International Symposiums and Conferences:***

**Published Proceeding Papers**

1. **Rasime Kalkan**, Epi-genetics and treatment planning for primary glioblastoma, K International Conference and Exhibition on Molecular Medicine and Diagnostics, August 24-26, 2015 London, UK, J Mol Genet Med 2015, 9:3 doi: 10.4172/1747-0862.S1.007

2. E.I.Atli, R.Kalkan, S.Artan, RARB gene methylation in primary glioblastomas, FEBS EMBO 2014 Conference, Paris, France, 30 August-4 September, 2014, FEBS Journal Volume 281 (Suppl. 1)(2014)65-783, P308

3. **R.Kalkan**, E.I.Atli, IDH1 mutations in a Turkey series of primary glioblastoma, FEBS EMBO 2014 Conference, Paris, France, 30 August-4 September, 2014, FEBS Journal Volume 281 (Suppl. 1)(2014)65-783, P475

4. E.I.Atli, **R.Kalkan,** S.Artan, IDH2 mutations in primary glioblastoma, FEBS EMBO 2014 Conference, Paris, France, 30 August-4 September, 2014, FEBS Journal Volume 281 (Suppl. 1)(2014)65-783, P475

5. E.İ. Atli**, R. Özkut**, S. Artan, A. Arslantaş, M. Özdemir. IDH2 mutations in Turkish patients with primary glioblastoma 6th Asian Oncology Summit and 10th Annual Conference of the Organisation for Oncology and Translational Research Volume 50, Supplement 4, May 2014, Pages e37 doi:10.1016/j.ejca.2014.03.142

6. E.İ. Atli, **R. Özkut**, S. Artan, A. Arslantaş, M. Özdemir. RARβ methylation in Turkish patients with primary glioblastoma 6th Asian Oncology Summit and 10th Annual Conference of the Organisation for Oncology and Translational Research Volume 50, Supplement 4, May 2014, Pages e37 doi:10.1016/j.ejca.2014.03.144

7. S.Artan, M.H Muslumanoglu, M.Ozdemir, B.Durak, O. Cilingir, G. Bademci , E. Tepeli, **R Kalkan**, M. Oznur, N. Tekin Comparison of FISH and MLPA Techniques in detection of chromosomal rearrengements. European Cytogenetics Conference 2007, Istanbul Turkey, July 7-10, 2007, Chromosome Research Vol:15, No:1, P157

**7.3** ***Books and Book Chapters:***

1. Role of Mesenchymal stem cells in cancer development and their use in cancer therapy, Nedime Serakıncı, Pınar Tulay, **Rasime Kalkan**, Book Chapter- Springer Books Series Series Ed.: Pham, Phuc Van ISSN: 2365-4198, In press

**7.4** ***Printed Lecture Notes:***

**7.5** ***National Conferences/Symposiums:***

1. **Kalkan R,** Dirik E, Serakıncı N., RAI1 geninde c.139G>A varyantı Smith Magenis Sendromu için yeni bir mutasyon mu? 11. Ulusal Tıbbi Genetik Kongresi, 24-27 Eylül,İstanbul 2014

2. Öndağ N.,**Kalkan R**, Serakıncı N., Anöploidi Açısından Yüksek Risk Veren Biyokimyasal Tarama Testleri ve Prenatal Tanı Sonuçlarının Karşılaştırılması, 11. Ulusal Tıbbi Genetik Kongresi, 24-27 Eylül,İstanbul 2014

3. Bademci G., Tepeli E., Özdemir M., Durak B., Müslümanoğlu M. H., Kaytaz B., Öznur M., **Kalkan R**., Artan S. The brothers have a Potential Phalen-McDermid Syndrome 22q13.3 Deletion and 6qter Trisomy .VII. National prenatal diagnosisand medical genetic conferance, 17-20 May 2006, KAYSERİ , 2006

4. Çilingir O, Bademci G, Artan S, Tekin N, Akşit A, Durak B, Özdemir M, **Kalkan R**., A A case with Consequence of the Paternal İnversion , Partial Trisomy 10q(q26.3→10qter) and 10p(p15.1→pter) deletion VII. National prenatal diagnosisand medical genetic conferance, 17-20 May 2006, KAYSERİ , 2006

5. Emiroğlu, Ö., Yetim, M., Kütük, F., **Kalkan,** R., Karagöz E., XVII. National Biology Conferance "Çatıören Sulama Barajında Yaşayan Chondrostoma nasus (L. 1758.)'Un Büyüme Parametrelerinin Araştırılması", 70 pp., Adana, Turkey, June 2004

**7.6** ***Other Publications:***

**National Publications:**

**1. Kalkan R,** Atli Eİ, Geçmişten Günümüze Glioblastoma Genetiği, Turk Neuors. 2014, Cilt: 24, Sayı: 3, 1-11

**8. Projects:**

**Ongoing Projects**

1. Telomere length dynamics and gene expression study of TRF1,TRF2,POT1, and TPP1 in patients suffering from idiopathic recurrent pregnancy loss.

2. CENP-A Methylation and Topoisomerase activity in habitual abortions

**Projects Finished**

**1.** Studying P16 gene methylation by methylation specific PCR in lung cancer bronchial lavage material.

**2.** Studying genetic and epigenetic alterations in glioblastoma multiforme patients (Eskisehir Osmangazi University Medical faculty funded)

**9. Administrative Posts:**

**10. Citations:**

"IDH1 mutations is prognostic marker for primary Glioblastoma Multiforme but MGMT hypermethylation is not prognostic for primary Glioblastoma Multiforme"

1. Wang K, Wang Y, Fan X, Wang J, Li G, Ma J, Ma J, Jiang T, Dai J. (2015) Radiological features combined with IDH1 status for predicting the survival outcome of glioblastoma patients. Neuro Oncol. 2015 Sep 25. pii: nov239.

2. K Rasime. (2015) Epigenetics of Glioblastoma Multiforme. J Clinic Res Bioeth 6:225. doi: 10.4172/2155-9627.1000225

3. Long-term survival in glioblastoma: methyl guanine methyl transferase (MGMT) promoter methylation as independent favourable prognostic factor. Radiology and Oncology. ISSN (Online) 1581-3207, DOI: 10.1515/raon-2015-0041, November 2015

**11. Scientific and Professional Society Membership:**

**Professional Society Membership:**

Turkish medical genetics association
European Cytogenetics Association
TUBİTAK/ARBİS

**Editorial Board Membership:**

Journal of Epidemiological Research (JER)
Journal of Epidemiology & Community
Journal of Syndromes and Gene Repair
Translational Biomedicine
Journal of Clinical Case Reports
International Journal of Transplantation Research and Technology

**Reviewer Board Membership:**

Journal of Cancer Growth and Metastasis
SciTechnol- Journal of Spine & Neurosurgery
Neural Regeneration Research
Journal of Clinical Case Reports
OMICS Group - Biomedical Journals
Journal of Carcinogenesis & Mutagenesis
Breast Cancer: Basic and Clinical Research
Bioinformatics and Biology Insights
Biomarker Insights

## 12. Courses Taught During the Last Two Semesters:

| Akademik Yıl | Dönem | Dersin Adı | Haftalık Saati | | Öğrenci Sayısı Teorik |
|---|---|---|---|---|---|
| | | | Teorik | Uygulama | |
| 2011-2012 | Güz | | | | |
| | | | | | |
| | Bahar | Medical Biology | 3 | - | 6 |
| | | Medical Biology | - | 10 | 156 |
| 2012-2013 | Güz | Moleküler sitogenetik tanı yöntemleri (Lisansüstü) | 2 | 4 | 3 |
| | | Sitogenetik hastalıklar ve laboratuvar testleri(Lisansüstü) | 2 | 4 | 2 |
| | Bahar | Medical Biology | 3 | - | 6 |
| | | | | | |
| 2013-2014 | Güz | Moleküler sitogenetik tanı yöntemleri (Lisansüstü) | 2 | 4 | 3 |
| | | Sitogenetik hastalıklar ve laboratuvar testleri(Lisansüstü) | 2 | 4 | 2 |
| | Bahar | Tıbbi Biyoloji ve Genetik | 4 | | 140 |
| | | Medical Biology | 3 | | 22 |
| | | Hastalıklara moleküler sitogenetik yaklaşımlar ve uygulamaları | 3 | 2 | 2 |
| 2014-2015 | Güz | Hastalıklara moleküler sitogenetik yaklaşımlar ve uygulamaları(Lisansüstü) | 3 | 2 | 2 |
| | | Sitogenetik hastalıklar ve laboratuvar testleri(Lisansüstü) | 2 | 4 | 2 |
| | | Moleküler sitogenetik tanı yöntemleri (Lisansüstü) | 2 | 4 | 3 |
| | | Molecular Cell Biology | 3 | | 8 |
| | | In-vivo and in-vitro fertilization (Lisansüstü) | 4 | 4 | 5 |
| | Bahar | Medical Biology | 3 | | 8 |
| | | Medical Genetics (Lisansüstü) | 4 | 4 | 6 |
| | | Tıbbi Biyoloji | 4 | | 169 |
| | | Molecular Cell Biology | 2 | | 8 |
| | | Basic Principles of Genetics | 2 | 16 | 8 |
| 2015-2016 | Güz | Chromosome Dynamics | 3 | | 10 |
| | | Genes and Inheritance | 3 | | 10 |
| | | Medical Biology | 4 | | 7 |
| | | Hastalıklara moleküler sitogenetik yaklaşımlar ve uygulamaları(Lisansüstü) | 4 | | 2 |
| | Bahar | | | | |

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**13. Awards:**