CURRICULUM VITAE 2018

A. Nazlı BAŞAK (born FURGAÇ)

EDUCATION

High School German High School, Istanbul (1960-1968)
Graduated with high honor
Awarded with a 5-years scholarship from the German Government

Universities
Georg August University, Göttingen, West Germany
Attended October 1968 through October 1973

M.Sc. with high honor, October 1973
Thesis advisor: Prof. Friedrich Cramer, Ph.D.
Max Planck Institute for Experimental Medicine,
Göttingen, West Germany

Ph.D. with high honor, March, 1977
Thesis advisor: Prof. Friedrich Cramer, Ph.D.
Max Planck Institute for Experimental Medicine,
Göttingen, West Germany

ACADEMIC HONORS AND FELLOWSHIPS

DAAD-Scholarship	1968-1973
Max-Planck Society Ph.D Scholarship	1973-1977
Max-Planck Society Post-doc. Fellowship	1977-1982
UNESCO Fellowship	1987-1988 (3 months)
Medical College of Georgia (Augusta) Research Fellowship	1989
Eczacibasi Research Grant	1990-1991
Kriton Curi Award	1997
Turkish Brain Research Society: Pfizer Research Award	1998
Eczacıbaşı Medical Sciences Award	1999
TUBITAK/ Turkish Brain Research Soc.: Wyeth Research Award	2001
Suna & İnan Kıraç Foundation - Research Award	2005
Suna & İnan Kıraç Foundation - Research Award	2008
Suna & İnan Kıraç Foundation - Research Award	2011
Boğaziçi Üniversitesi Vakfı, Excellent Research Award	2012
Suna & İnan Kıraç Foundation - Research Award	2014

SCIENTIFIC AND PROFESSIONAL SOCIETIES' MEMBERSHIPS

International Society of Hematology
European Society of Human Genetics
Human Genome Organization
Turkish Society of Biochemistry
Turkish Society of Hematology
Turkish Brain Research Society
Turkish Alzheimer Society
Turkish Society of Neurology

PROFESSIONAL APPOINTMENTS

Research experience

1973-1977	PhD Student and Research Assistant Max Planck Institute for Experimental Medicine, Research topic: Structure of transfer-ribonucleic-acids and protein-biosynthesis mechanisms
1977-1981	Post-doctoral fellow Max Planck Institute for Experimental Medicine, Research topic: Organization and nucleotide sequence of the mitochondrial genome of *Aspergillus nidulans*
1981-1985	Research Associate Max Planck Institute for Experimental Medicine
1985-1992	Associate Professor of Molecular Biology Dept. of Biology Bogaziçi University
1987-1988 (3 mo) 1989 (3 mo)	Research fellow and guest scientist Medical College of Georgia, Augusta, USA Dept. of Cell and Molecular Biology Research topic: Investigation of Turkish β-thalassemia patients by PCR, ASO hybridization and genomic sequencing
1992-present	Professor of Molecular Biology & Genetics Dept. of Biology & Genetics, Bogaziçi University Research topics:Molecular basis and DNA analysis of thalassemias and hemoglobinopathies; establishment of a comprehensive prenatal diagnosis program for hemoglobinopathies in Turkey;molecular genetics and diagnosis of neurodegenerative disorders, e.g. Alzheimer's Disease, Parkinson's Disease, ALS, Huntington's Disease, other CAG-and triplett-repeat disorders
2005-present	Director: Suna and Inan Kıraç Foundation, Neurodegeneration Research Laboratory

Research Projects

1989-	Coordinator of at least twenty five research projects: Establishment of DNA-based techniques in Turkey, Molecular investigation and prenatal diagnosis of hemoglobinopathies, Establishment of a gene data bank in Turkey Molecular genetics of neurodegenerative disorders

Large Global Projects:

2015-	Rroject MinE: A large scale whole-genome study in ALS Wellcome Trust Project: Genetic Modifiers in repeat expansion disorders: Common Mechanisms and Therapeutics Ontology-based Web Database for Understanding ALS PREPARE/Genesis: Whole Exome Analysis of Ataxia patients SCA-FIGHTS, Horizon 2020 application

Teaching Experience

Undergraduate Level	Biochemistry Molecular Biology Microbiology General Biology Biochemistry of Human Disease Practical Applications in Biochemistry and Genetics Human Molecular Genetics
Graduate Level	Biological Chemistry Chemistry of Nucleic Acids Human Genetics Molecular Genetics Biotechnology The Molecular Basis of Neurodegeneration The Molecular Basis of Blood Diseases
Theses Advised	14 Ph.D. and 29 M.Sc. theses completed

OTHER ACADEMIC/ADMINISTRATIVE RESPONSIBILITIES

Sept. 1992-	Scientific Advisor Pediatric Hematology Research and Application Center Cerrahpasa Medical School, University of Istanbul
Sept. 1993-June 1999	Member of the Executive Council School of Arts and Sciences Boğaziçi University
Oct. 1993-April 1996	Research Secretary Turkish Society of Hematology

Nov.1993- Dec.1996 Chairperson
Department of Molecular Biology and Genetics
Boğaziçi University.

Jan. 2001- Scientific Advisor
Mediterranean Blood Diseases Foundation
Diagnosis, Research and Genetics Center, Antalya

PUBLICATIONS

Books

1. Küntzel H., Başak N., Imam G., Köchel H., Lazarus C. M., Lünsdorf H., Bartnik E., Bidermann A., and Stepien P. P., "The mitochondrial genome of aspergillus nidulans", in A. M. Kroon and C. Saccone (editors), The Organization and Expression of the Mitochondrial Genome, Elsevier/North-Holland Biomedical Press, pp. 79-86, 1980

2. Başak AN, "Hemoglobinopatilerin prenatal tanisi ve Türkiye'de b-talasemi'nin moleküler temeli", in Prenatal Tani ve Tedavi, Editor: Doç. Dr. Kiliç Aydinli, Bölüm 22, Perspektiv Press, 222-236, 1992

3. Başak AN., "Genetics of Primary Degenerative Dementias," Neuropsychiatric Archives, Vol. 36, No 2, pp. 78-89, 1999

4. Yokeş MB, Gül Ö, and Başak AN, "A Methodological Comparison Between RFLP Analysis and the LightCycler Technology-ApoE Genotyping Using the ApoE Mutation Detection Kit," Biochemica, Vol. 4, pp. 17-19, 2001.

5. Başak AN, "Moleküler Tanı ve Yöntemleri, in Hemoglobinopati ve Talasemi: Önlem-Tanı-Tedavi", Editörler: Prof.Dr. Ayten Acarsoy, Prof.Dr. Duran Canatan, Uzm.Dr. M.Rıfat Köse, Ecz. Münip Üstündağ, Bölüm 5, The Ministry of Health of Turkey, Ankara, 37-49, 2002

6. Başak AN, "Moleküler Tanı ve Yöntemleri, in Hemoglobinopati ve Talasemi: Önlem-Tanı-Tedavi", Editörler: Prof.Dr. Ayten Acarsoy, Prof.Dr. Duran Canatan, Uzm.Dr. M.Rıfat Köse, Ecz. Münip Üstündağ, Bölüm 5, The Ministry of Health of Turkey, Ankara, 47-60, 2003.

7. Başak AN,"Talasemide Moleküler Tanı ve Yöntemleri" in Talasemi ve Hemoglobinopatiler: Tanı ve Tedavi", Editörler: Prof. Dr. Duran Canatan, Prof. Dr. Yeşim Aydınok, Bölüm 6, The Ministry of Health of Turkey, Ankara, 49-60,2007

8. Başak AN, Özoğuz A.,Pirkevi C.,Güzel M., Hocaoğlu FS, Gencer P, Özkan A.K, "Sevdiğiniz ile ALS'yi Yaşamak…" Boğaziçi Üniversitesi, Suna ve İnan Kıraç Vakfı Nörodejenerasyon Araştırma Laboratuvarı Yayınları, Haziran, 2008

9. Başak AN, "Huntington Hastalığı" Boğaziçi Üniversitesi, Suna ve İnan Kıraç Vakfı Nörodejenerasyon Araştırma Laboratuvarı Yayınları, Temmuz, 2008

10. Pirkevi C, Lesage S, Brice A, Başak AN, "From genes to proteins in Mendelian Parkinson's disease: an overview", Anat Rec (Hoboken). 292(12):1893-901.Dec, 2009

11. Battaloğlu E, Başak AN, "KompleksHastalıkGenetiği: GüncelKavramlar ve Nörolojik Hastalıkların Tanısında Kullanılan Genomik Yöntemler'', Klinik Gelişim Dergisi Nöroloji, Cilt: 23 / No:1 2010

12. Basak AN,SukruTuzmen, "Genetic Predisposition to β-Thalassemia and Sickle Cell Anemia in Turkey: A Molecular Diagnostic Approach'', Disease Gene IdentificationMethods in Molecular Biology™, Volume 700, Part 4, 291-307, 2011

13. M. Ozansoy, Başak AN, "The Central Theme of Parkinson Disease: Alpha-Synuclein", Molecular Neurobiology, 2012.

Research Articles Published in International Journals

1. Cramer F., Sprinzl R., Furgaç N., Freist W., Saenger W., Manor P. C., Sprinzl M., and Sternbach H., "Crystallisation of yeast phenylalanine tRNA: polymorphism and studies of sulphur-substituted mercury binding derivatives", Biochimica et Biophysica Acta, 349: 351-356, 1974.

2. Prinz H., Furgaç N., and Cramer F., "Spermine stabilizes the conformation of tRNA in crystals", Biochimica et Biophysica Acta, 447: 110-115, 1976

3. Köchel H. G., Lazarus C. M., Başak AN., and Küntzel H., "Mitochondrial tRNA gene clusters in aspergillus nidulans: Organization and nucleotide sequence," Cell, 23: 625-633, 1981

4. Netzker R., Köchel H. G., Başak AN., and Küntzel H. "Nucleotide sequence of aspergillus nidulans mitochondrial genes coding for ATPase subunit 6, cytochrome oxidase subunit 3, seven unidentified proteins, four tRNAs and L-rRNA", Nucleic Acid Research, 10/15: 4783-4794, 1982

5. Gonzales-Redondo JM, Stoming TA, Kutlar A, Kutlar F, Aksoy M, Altay Ç, Gürgey A, Başak AN, Efremov GD, Petkov G, Huisman THJ, "A C T substitution at nt-101 in a conserved DNA sequence of the promoter region of the β--globin gene is associated with "silent" β-thalassemia", Blood 73/6: 1705-1711, 1989.

6. Mink M, Basak AN, Kuntzel H. "Restoration of the yeast LEU2 gene by transcriptionally controlled recombination between tandem repeats." Mol Gen Genet. 1990 Aug; 223(1):107-13.

7. Başak AN., Özçelik H., Özer A., Tolun A., Kırdar B, "Molecular characteristics of Turkish patients with β-thalassemia", Doğa-Turkish Journal of Medical/Sciences 15: 426-434, 1991.

8. Ganshirt-Ahlert D., Başak A. N., Aydınlı K., and Holzgreve W., "Fetal DNA in uterine vein blood", Obstetrics and Gynecology, 80:601-603, 1992

9. Başak AN, Özçelik H, Özer A, Tolun A, Aksoy M, Ridolfi F, Ulukutlu L, Akar N, Gürgey A, Kırdar B, "The molecular basis of β-thalassemia in Turkey", Human Genetics 89/3: 315-318, 1992.

10. Başak AN, Özer A, Özçelik H, Gürgey A, Kırdar B, "A novel frameshift mutation: Deletion of C in Codons 74/75 of the -globin gene causes β-thalassemia in a Turkish patient", Hemoglobin 17/4: 309-312, 1992.

11. Özçelik H, Başak AN, Tüzmen Ş, Akar N, Kırdar B, "A novel deletion in a Turkish β-thalassemia patient detected by DGGE and direct sequencing: FSC 22-24 (-7bp)", Hemoglobin 17/4: 387-391, 1993.

12. Başak AN, Özer A, Akar N, Kırdar B, "A novel 13bp deletion in the 3'UTR of the -globin gene causes -thalassemia in a Turkish patient", Hemoglobin, 17/6: 551-555, 1993.

13. Saylı TR, Başak AN, Gümrük F, Gürgey A, Altay C, "Imerslund-Grasbeck syndrome coexisting with β-thalassemia trait", Pediatric Hematology and Oncology 11: 223-225, 1994.

14. Altay Ç. and Başak AN, "Molecular basis and prenatal diagnosis of hemoglobinopathies in Turkey", The International Journal of Pediatric Hematology/Oncology, 2: 283-290, 1995.

15. Tüzmen Ş, Tadmouri GO, Özer A, Baig SM, Özçelik H, Başaran S, Başak AN, "Prenatal Diagnosis of β-Thalassemia and Sickle Cell Anemia in Turkey", Prenatal Diagnosis, 16: 252-258, 1996.

16. Altay Ç, Başak, AN, Tadmouri GO, Gürgey A., "Fanconi aplastic anemia associated with -thalassemia trait", American J. of Hematol., 52:239-240, 1996.

17. Tüzmen Ş, Başak AN. and Baysal E., "A rare IVS-II-848 C-A mutation found in a Turkish Cypriot", American. J. of Hemat, 54: 338-339, 1997.

18. Tadmouri GO, Tüzmen Ş, Başak AN., "A rare β-thalassemia mutation in a Turkish patient: FSC-36/37 (-T)", Human Biology, 69:263-267, 1997.

19. Altay Ç, Öner C, Öner R, Mesci L, Balkan H, Tüzmen S, Başak AN, Gümrük F, Gürgey A., "Genotype-Phenotype Analysis in HbS-Beta-Thalassemia", Human Heredity, 47:161-164, 1997.Citation: 11

20. Nişli G, Kavaklı K, Aydınok Y, Öztop S, Çetingül N, Başak AN, "Recombinant Erythropoetin Trial in Children with Transfusion-Dependent Homozygous β-Thalassemia", Acta Haematologica, 98:199-203, 1997.

21. Tadmouri GO, Tüzmen Ş, Özçelik H, Özer A, Baig SM, Senga EB, Başak AN, "Molecular and Population Genetic Analyses of β-Thalassemia and Sickle Cell Anemia in Turkey," American journal of Hematology Mar 57(3):215-20. 1998

22. Simjanovska L, Petkov G, Stojanovski N, Basak AN, and Efremov GD, "The Origin of Hb O-Arab in the Balkan Countries" Balkan Journal of Medical Genetics, Vol. 1, pp.8-12, 1998.

23. Tadmouri GO, Yuksel L, and Başak AN, "HbS/del-Thalassemia Associated With High Levels of Hemoglobins A2 and F in a Turkish Family," American Journal of Hematology, Vol. 59, pp. 83-86, 1998.

24. Uysal Z, Yildirmak Y, Akar N, Başak AN, and Cin S, "β-Thalassemia and Hereditary Spherocytosis in the Same Patient: The Interaction of Two Diseases", Pediatric Hematology and Oncology, Vol. 15, pp. 271-276, 1998

25. Taştan Ö, Canatan D, Başak AN., "A Search for the -thal-2 Determinants -3.7 and -4.2 in the Newborns from Antalya District of Turkey: Cord Blood Study Using the PCR Method", Balkan Journal of Medical Genetics, 2(1): 23-25, 1999.

26. Tadmouri GO, Bilenoğlu O, Kutlar F, Markowitz RB, Kutlar A, and Basak AN, "Identification of the 'Chinese' IVS-II-654 (C-T) -Thalassemia Mutation in an Immigrant Turkish Family: Recurrence or Migration", Human Biology, Vol. 71, pp. 297-304, 1999.

27. Tadmouri GO, Bilenoğlu O, Kantarcı S, Kayserili H, Perrin P, Başak AN, "A Rare Mutation [IVS-I-130 (G-A)] in a Turkish -Thalassemia Major Patient", American Journal of Hematology, Vol. 63, pp. 223-225, 2000.

28. Tadmouri GO, and Başak AN, "β-Thalassemia in Turkey: A Review of the Clinical, Epidemiological, Molecular and Evolutionary Aspects", Hemoglobin, Vol. 25(2), pp. 227-239, 2001.

29. Tadmouri GO and Başak AN, "Beta-Talassemia in Turkey: A review of the Clinical, Epidemiological, Molecular and Evolutionary aspects", Hemoglobin 25 (2): 227-239, 2001.

30. Bilenoğlu O, Başak AN and Russell JE, "A 3'UTR Mutation Affects -Globin Expression without Altering the Stability of its Fully-processed mRNA", British Journal of Haematology, BJH 119, 1106-1114, 2002.

31. Yokeş B, Emre M, Harmancı H, Gürvit H, Hanağası H, Şahin H, Bilgiç B, Başak AN, "The Apolipoprotein E (APOE) Genotype in a Turkish Population with Alzheimer's Disease", Balkan Journal of Medical Genetics, BJMG 8, 57-63, 2005.

32. Metzger S, Bauer P, Tomiuk J, Laccone F, Didonato S, Gellera C, Soliveri P, Lange HW, Weirich-Schwaiger H, Wenning GK, Melegh B, Havasi V, Balikó L, Wieczorek S, Arning L, Zaremba J, Sulek A, Hoffman-Zacharska D, Basak AN, Ersoy N, Zidovska J, Kebrdlova V, Pandolfo M, Ribaï P, Kadasi L, Kvasnicova M, Weber BH, Kreuz F, Dose M, Stuhrmann M, Riess O, "The S18Y polymorphism in the UCHL1 gene is a genetic modifier in Huntington's disease", Neurogenetics. 2006 Mar;7(1):27-30.

33. Metzger S, Bauer P, Tomiuk J, Laccone F, Didonato S, Gellera C, Mariotti C, Lange HW, Weirich-Schwaiger H, Wenning GK, Seppi K, Melegh B, Havasi V, Balikó L, Wieczorek S, Zaremba J, Hoffman-Zacharska D, Sulek A, Basa J, Hoffman-Zacharska D, Sulek A, Basak AN, Soydan E, Zidovska J, Kebrdlova V, Pandolfo M, Ribaï P, Kadasi L, Kvasnicova M, Weber BH, Kreuz F, Dose M, Stuhrmann M, Riess O, "Genetic analysis of candidate genes modifying the age-at-onset in Huntington's disease", Hum Genet. 2006 Sep; 120(2):285-92.

34. Basak AN, "The molecular pathology of beta-thalassemia in Turkey: the Boğaziçi University Experience", Hemoglobin. 2007; 31(2):233-41.

35. Selcuk Duru N, Celkan T, Civilibal M, Ozbek NO, Basak AN, Elevli M, "Coinheritance of sickle cell anemia and hereditary spherocytosis", Pediatric Blood Cancer. 2008 Oct; 51(4):560-3.

36. Taskapilioglu O, Seferoglu M, Akkaya C, Hakyemez B, Yusufoglu C, Basak AN, Gundogdu A, Bora I, "Delayed diagnosis of a neuro Behçet patient with only brainstem and cerebellar atrophy: literature review", J Neurol Sci. 2009 Feb;277(1-2):160-3.

37. Yiş U, Dirik E, Kurul SH, Eken AG, Başak AN, "Two young sisters with spinocerebellar ataxia type 2 showing different clinical progression of disease", Cerebellum. 2009 Jun; 8(2):127-9.

38. Pirkevi C, Lesage S, Condroyer C, Tomiyama H, Hattori N, Ertan S, Brice A, Başak AN, "A LRRK2 G2019S mutation carrier from Turkey shares the Japanese haplotype", Neurogenetics. 2009 Jul; 10 (3):271-3.

39. Barut S, Karaer H, Oksuz E, Eken AG, Basak AN, "Bell's palsy and choreiform movements during peginterferon alpha and ribavirin therapy", World J Gastroenterol. 2009 Aug; 15 (29):3694-6.

40. Lederer CW, Basak AN, Aydinok Y, Christou S, El-Beshlawy A, Eleftheriou A, Fattoum S, Felice AE, Fibach E, Galanello R, Gambari R, Gavrila L, Giordano PC, Grosveld F, Hassapopoulou H, Hladka E, Kanavakis E, Locatelli F, Old J, Patrinos GP, Romeo G, Taher A, Traeger-Synodinos J, Vassiliou P, Villegas A, Voskaridou E, Wajcman H, Zafeiropoulos A, Kleanthous M, "An electronic infrastructure for research and treatment of the thalassemias and other hemoglobinopathies: the Euro-mediterranean ITHANET project", Hemoglobin. 2009; 33 (3):163-76.

41. Haghi M, Feizi AA, Feizi MA, Pouladi N, Basak AN, "Is the frameshift codons 8/9 (+G) [FSC 8/9 (+G)] beta-thalassemia mutation, detected by the polymerase chain reaction-amplification refractory mutation system, really FSC 8/9 (+G)?", Hemoglobin. 2009; 33(3):279-82.

42. Pirkevi C, Lesage S, Brice A, Başak AN, "From genes to proteins in Mendelian Parkinson's disease: an overview", Anat Rec (Hoboken). 2009 Dec; 292(12):1893-901.

43. Phylipsen M. Amato A. Cappabianca M.P. Traeger-Synodinos J. Kanavakis E. Basak AN. Galanello R. Tuveri T. Ivaldi G. Harteveld C.L. Giordano P.C. "Two new b-thalassemia deletions compromising prenatal diagnosis in an Italian and a Turkish couple seeking prevention'', Haematologica 2009, September 10.3324/haematol.2009 .007989

44. Kurt S, Karaer H, Kaplan Y, Akat I, Battaloglu E, Eruslu D, Basak AN, "Combination of myotonic dystrophy and hereditary motor and sensory neuropathy", J Neurol Sci. 2010 Jan; 288(1-2): 197-9.

45. Karaer H., Kaplan Y., Kurt S., Gundogdu A., Erdogan B., Basak AN, "Phenotypic differences in a large family with Kennedy's disease from the Middle Black Sea region of Turkey".Amyotroph Lateral Scler 11:148-153 (2010)

46. Suzanne Lesage, Etienne Patin, Christel Condroyer, Anne-Louise Leutenegger, Ebba Lohmann, Nir Giladi, Anat Bar-Shira, Soraya Belarbi, Nassima Hecham, Pierre Pollak, Anne-Marie Ouvrard-Hernandez, Soraya Bardien, Jonathan Carr, Traki Benhassine, Hiroyuki Tomiyama, Caroline Pirkevi, Tarik Hamadouche,
Cecile Cazeneuve, Basak AN, Nobutaka Hattori, Alexandra Dürr, Meriem Tazir,

Avi Orr-Urtreger, Lluis Quintana-Murci3 and Alexis Brice "Parkinson's disease-related LRRK2 G2019S mutation results from independent mutational events in humans"Human Molecular Genetics, 2010, Vol. 19, No. 10 doi:10.1093/hmg/ddq081

47. Belinda Giardine, Joseph Borg, Douglas R Higgs, Kenneth R Peterson, Sjaak Philipsen, Donna Maglott, Belinda K Singleton, David J Anstee, Basak AN […] Ross C Hardison & George P Patrinos "Systematic documentation and analysis of human genetic variation in hemoglobinopathies using the microattribution approach" Nature Genetics vol.43, number 4, Aprıl 2011, 295

48. Enunlu I, Ozansoy M, Basak AN.,"Alfa-class prefoldin protein UXT is a novel interacting partner of Amyotrophic Lateral Sclerosis 2 (Als2) protein"Biochem Biophys Res Commun. 2011 Sep 30; 413(3):471-5.

49. Gulsuner S, Tekinay AB, Doerschner K, Boyaci H, Bilguvar K, Unal H, Ors A, Onat OE, Atalar E, Basak AN, Topaloglu H, Kansu T, Tan M, Tan U, Gunel M, Ozcelik T, "Homozygosity mapping and targeted genomic sequencing reveal the gene responsible for cerebellar hypoplasia and quadrupedal locomotion in a consanguineous kindred."Genome Res. 2011 December; 21(12):1995-2003

50. Abdulkadir Özkan, Atilla Biçer, Timuçin Avşar, Aşkın Şeker, Zafer Orkun Toktaş, Süheyla Uyar Bozkurt, Ayşe Nazlı Başak and Türker Kılıç "Temporal expression analysis of angiogenesis-related genes in brain development" Vascular Cell 2012, 4:16, 2012

51. Suna Lahut, Özgür Ömür, Özgün Uyan, Zeynep Sena Ağım, Aslıhan Özoğuz, Yeşim Parman, Feza Deymeer, Piraye Oflazer, Filiz Koç, Hilmi Özçelik, Georg Auburger and Başak, AN "ATXN2 and its neighbouring gene SH2B3 both modulate the ALS risk in the Turkish population." PlosOne, 2012;7(8):e42956.

52. Çobanoğlu Gönenç; Ozansoy Mehmet, Başak A. Nazlı "Are Alsin And Spartin Novel Interaction Partners?" Biochemical and Biophysical Research Communications, 427 (2012) pg.1–4.

53. Matthis Synofzik, Dario Rochi, Isil Keskin, Basak AN, Christian Wilhelm, Claudio Gobbi, Anna Birve, Saskia Biskup, Chiara Zecca, Rubén Fernandez-Santiago, Toomas Kaugesaar, Ludger Schöls, Stefan L. Marklund and Peter M. Andersen, "Mutant superoxide dismutase-1 indistinguishable from wild type causes ALS" Hum Mol Genet. 15; 21 (16):3568-74. 2012

54. Zeynep Sena Agim, Melda Esendal, Ozgun Uyan, Mehran Meschian, Luis Antonio Mendoza Martinez, Yongmei Ding, Basak AN, Hilmi Ozcelik,"Dıscovery, Valıdatıon And Characterızatıon Of Erbb4 And Nrg1Haplotypes Usıng Data From Three Genome-Wıde AssocıatıonStudıes Of Schızophrenıa", PLoS One. 2013; 8(1):e53042. Doi: 10.1371/

55. Mehmet Ozansoy, Başak AN, "The Central Theme of Parkinson's disease: α-Synuclein", Molecular Neurobiology, Volume 47, Issue 2, pp 460-465, April 2013

56. Özgün Uyan, Ozgur Omur, Zeynep Sena Agım, Aslıhan Ozoguz, Hong Li, Yesim Parman, Feza Deymeer, Piraye Oflazer, Filiz Koc, Ersin Tan, Hilmi Ozcelik,

Basak AN, "Genome-Wide Copy Number Variation in Sporadic Amyotrophic Lateral Sclerosis in the Turkish Population: Deletion of EPHA3 Is a Possible Protective Factor", PLoS ONE 8(8): e72381, August, 2013

57. Suna Lahut, David Vadasz, Candan Depboylu, Vincent Ries, Martina Krenzer, Karin Stiasny-Kolster, A. Nazli Basak, Wolfgang H. Oertel, Georg Auburger,"The PD-associated alpha-synuclein promoter Rep1 allele 2 shows diminished frequency in restless legs syndrome" Neurogenetics, May 2014

58. Georg Auburger, Suzana Gispert, Suna Lahut, Özgür Ömür, Ewa Damrath, Melanie Heck, A.Nazlı Başak, "12q24 locus association with type 1 diabetes: SH2B3 or ATXN2?" World J Diabetes. 2014 Jun 15; 5 (3):316-27

59. Ayşegül Gündüz, Aslı Gündogdu Eken, Basar Bilgiç, Hasmet A. Hanagasi, Kaya Bilgüvar, Murat Günel, A. Nazlı Basak, Sibel Ertan "FBXO7eR498X mutation: Phenotypic variability from chorea to early onset Parkinsonism within a family" Parkinsonism and Related Disorders (2014), http://dx.doi.org/10.1016/j.parkreldis.2014.07.016

60. Aslıhan Özoğuz, Özgün Uyan, Güneş Birdal, Ceren Iskender, […] AN Basak, Özlem Keskin, Tahsin Akgün "The distinct genetic pattern of ALS in Turkey and novel mutations" Volume 36, Issue 4, April 2015, Pages 1764.e9–1764.e18

61. Semiha Kurt, Ece Kartal, Durdane Aksoy, Betul Cevik, Asli Gundogdu Eken, Irmak Sahbaz, A. Nazli Basak "Coexistence of autosomal recessive spastic ataxia of Charlevoix Saguenay and spondyloepiphyseal dysplasia in a Turkish patient" Journal of the Neurological Sciences 357 (2015) 290–291

62. Ceren Iskender, Ece Kartal, Fulya Akcimen, Cemile Kocoglu, Aslihan Ozoguz, Dilcan Kotan, Mefkure Eraksoy, Yesim G. Parman, Ayse Nazli Basak, "Turkish families with juvenile motor neuron disease broaden the phenotypic spectrum of SPG11" Neurol Genet 2015;1: e25; doi: 10.1212/NXG.0000000000000025

63. Hasmet A. Hanagasi, Başar Bilgiç,Truus E.M. Abbink, Figen Hanagasi, Zeynep Tüfekçioğlu, Hakan Gürvit, Nazlı Başak "Secondary paroxysmal kinesigenic dyskinesia associated with CLCN2 gene mutation" Parkinsonism and Related Disorders, Volume 21, Issue 5, May 2015, Pages 544–546

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65. Wouter van Rheenen, Aleksey Shatunov, Basak AN […] Jan H Veldink, "Genome-wide association analyses identify new risk variants and the genetic architecture of amyotrophic lateral sclerosis" Nature Genetics volume 48, pages 1043–1048 (2016)doi:10.1038/ng.3622

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