

CURRICULUM VITAE

Katsuhito Yasuno, PhD

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Contact Information:

Address 300 Cedar Street
Ste S330
New Haven, CT 06519
Phone: 1 (203) 737-1344
Email: katsuhito.yasuno@yale.edu

School: Yale School of Medicine

Education:

04/1993 - 03/1997 BS, Tokyo Metropolitan University, Physics, Hachioji, Tokyo, Japan
04/1997 - 03/1999 MS, Tokyo Institute of Technology, Theoretical Physics, Meguro City, Tokyo, Japan
04/1999 - 03/2002 PhD, Tokyo Institute of Technology, Theoretical Physics, Meguro City, Tokyo, Japan

Career/Academic Appointments:

04/2003 - 03/2004 Postdoctoral Fellow, Molecular Life Science, Tokai University School of Medicine, Isehara, Kanagawa, Japan
04/2004 - 03/2006 Postdoctoral Fellow, Japan Biological Information Research Center, Japan Biological Informatics Consortium, Koto City, Tokyo, Japan
04/2006 - 09/2008 Postdoctoral Fellow, Core Research for Evolutional Science and Technology, Japan Science and Technology Corporation, Isehara, Kanagawa, Japan
09/2008 - 07/2010 Associate Research Scientist, Neurosurgery, Yale School of Medicine, New Haven, CT
07/2010 - 06/2026 Research Scientist, Neurosurgery, Yale School of Medicine, New Haven, CT

Grants/Clinical Trials History:

Current Clinical Trials

Agency: National Cancer Institute (NCI)
I.D.#: 9406007680
Title: Genetic Studies of Abnormal Nervous System Vasculature, Development, Tumors, and Migraine
P.I.: Murat Gunel
Role: Sub-Investigator

Percent effort: N/A
 Total costs: -
 Project period: 06/28/1994 - ongoing

Bibliography:

Peer-Reviewed Original Research

1. **Yasuno K**, Koike T, Siino M. Thurston's geometrization conjecture and cosmological models. *Classical And Quantum Gravity* 2001, 18: 1405. [DOI: 10.1088/0264-9381/18/8/301](https://doi.org/10.1088/0264-9381/18/8/301).
2. Tanimoto M, Moncrief V, **Yasuno K**. Perturbations of spatially closed Bianchi III spacetimes. *Classical And Quantum Gravity* 2003, 20: 1879. [DOI: 10.1088/0264-9381/20/9/319](https://doi.org/10.1088/0264-9381/20/9/319).
3. Nishimura M, Kuno S, Kaji R, **Yasuno K**, Kawakami H. Glutathione-S-transferase-1 and interleukin-1 β gene polymorphisms in Japanese patients with Parkinson's disease. *Movement Disorders* 2005, 20: 901-902. [PMID: 15834859](https://pubmed.ncbi.nlm.nih.gov/15834859/), [DOI: 10.1002/mds.20477](https://doi.org/10.1002/mds.20477).
4. **Yasuno K**, Ando S, Misumi S, Makino S, Kulski JK, Muratake T, Kaneko N, Amagane H, Someya T, Inoko H, Suga H, Kanemoto K, Tamiya. Synergistic association of mitochondrial uncoupling protein (UCP) genes with schizophrenia. *American Journal Of Medical Genetics Part B Neuropsychiatric Genetics* 2006, 144B: 250-253. [PMID: 17066476](https://pubmed.ncbi.nlm.nih.gov/17066476/), [DOI: 10.1002/ajmg.b.30443](https://doi.org/10.1002/ajmg.b.30443).
5. Makino S, Kaji R, Ando S, Tomizawa M, **Yasuno K**, Goto S, Matsumoto S, Tabuena M, Maranon E, Dantes M, Lee LV, Ogasawara K, Tooyama I, Akatsu H, Nishimura M, Tamiya. Reduced Neuron-Specific Expression of the TAF1 Gene Is Associated with X-Linked Dystonia-Parkinsonism. *American Journal Of Human Genetics* 2007, 80: 393-406. [PMID: 17273961](https://pubmed.ncbi.nlm.nih.gov/17273961/), [PMCID: PMC1821114](https://pubmed.ncbi.nlm.nih.gov/PMC1821114/), [DOI: 10.1086/512129](https://doi.org/10.1086/512129).
6. Maeda K, Kaji R, **Yasuno K**, Jambaldorj J, Nodera H, Takashima H, Nakagawa M, Makino S, Tamiya G. Refinement of a locus for autosomal dominant hereditary motor and sensory neuropathy with proximal dominancy (HMSN-P) and genetic heterogeneity. *Journal Of Human Genetics* 2007, 52: 907-914. [PMID: 17906970](https://pubmed.ncbi.nlm.nih.gov/17906970/), [DOI: 10.1007/s10038-007-0193-7](https://doi.org/10.1007/s10038-007-0193-7).
7. Bilguvar K, **Yasuno K**, Niemelä M, Ruigrok YM, von und zu Fraunberg M, van Duijn CM, van den Berg LH, Mane S, Mason CE, Choi M, Gaál E, Bayri Y, Kolb L, Arlier Z, Ravuri S, Ronkainen A, Tajima A, Laakso A, Hata A, Kasuya H, Koivisto T, Rinne J, Öhman J, Breteler MM, Wijmenga C, State MW, Rinkel GJ, Hernesniemi J, Jääskeläinen JE, Palotie A, Inoue I, Lifton RP, Günel M. Susceptibility loci for intracranial aneurysm in European and Japanese populations. *Nature Genetics* 2008, 40: 1472-1477. [PMID: 18997786](https://pubmed.ncbi.nlm.nih.gov/18997786/), [PMCID: PMC2682433](https://pubmed.ncbi.nlm.nih.gov/PMC2682433/), [DOI: 10.1038/ng.240](https://doi.org/10.1038/ng.240).
8. Bilguvar K, Ozturk AK, Bayrakli F, Guzel A, DiLuna ML, Bayri Y, Tatli M, Tekes S, Arlier Z, **Yasuno K**, Mason CE, Lifton RP, State MW, Gunel M. The syndrome of pachygyria, mental retardation, and arachnoid cysts maps to 11p15. *American Journal Of Medical Genetics Part A* 2009, 149A: 2569-2572. [PMID: 19876906](https://pubmed.ncbi.nlm.nih.gov/19876906/), [DOI: 10.1002/ajmg.a.33063](https://doi.org/10.1002/ajmg.a.33063).
9. Kolb LE, Arlier Z, Yalcinkaya C, Ozturk AK, Moliterno JA, Erturk O, Bayrakli F, Korkmaz B, DiLuna ML, **Yasuno K**, Bilguvar K, Ozcelik T, Tuysuz B, State MW, Gunel M. Novel VLDLR microdeletion identified in two Turkish siblings with pachygyria and pontocerebellar atrophy. *Neurogenetics* 2010, 11: 319-325. [PMID: 20082205](https://pubmed.ncbi.nlm.nih.gov/20082205/), [DOI: 10.1007/s10048-009-0232-y](https://doi.org/10.1007/s10048-009-0232-y).
10. **Yasuno K**, Bilguvar K, Bijlenga P, Low SK, Kricshek B, Auburger G, Simon M, Krex D, Arlier Z, Nayak N, Ruigrok YM, Niemelä M, Tajima A, von und zu Fraunberg M, Dóczy T, Wirjatijasa F, Hata A, Blasco J, Oszvald A, Kasuya H, Zilani G, Schoch B, Singh P, Stüer C, Risselada R, Beck J, Sola T, Ricciardi F,

- Aromaa A, Illig T, Schreiber S, van Duijn CM, van den Berg LH, Perret C, Proust C, Roder C, Ozturk AK, Gaál E, Berg D, Geisen C, Friedrich CM, Summers P, Frangi AF, State MW, Wichmann HE, Breteler MM, Wijmenga C, Mane S, Peltonen L, Elio V, Sturkenboom MC, Lawford P, Byrne J, Macho J, Sandalcioglu EI, Meyer B, Raabe A, Steinmetz H, Rüfenacht D, Jääskeläinen JE, Hernesniemi J, Rinkel GJ, Zembutsu H, Inoue I, Palotie A, Cambien F, Nakamura Y, Lifton RP, Günel M. Genome-wide association study of intracranial aneurysm identifies three new risk loci. *Nature Genetics* 2010, 42: 420-425. [PMID: 20364137](#), [PMCID: PMC2861730](#), [DOI: 10.1038/ng.563](#).
11. Ercan-Sencicek AG, Stillman AA, Ghosh AK, Bilguvar K, O'Roak BJ, Mason CE, Abbott T, Gupta A, King RA, Pauls DL, Tischfield JA, Heiman GA, Singer HS, Gilbert DL, Hoekstra PJ, Morgan TM, Loring E, **Yasuno K**, Fernandez T, Sanders S, Louvi A, Cho JH, Mane S, Colangelo CM, Biederer T, Lifton RP, Günel M, State MW. L-Histidine Decarboxylase and Tourette's Syndrome. *New England Journal Of Medicine* 2010, 362: 1901-1908. [PMID: 20445167](#), [PMCID: PMC2894694](#), [DOI: 10.1056/nejmoa0907006](#).
 12. Akiyama K, Narita A, Nakaoka H, Cui T, Takahashi T, **Yasuno K**, Tajima A, Krischek B, Yamamoto K, Kasuya H, Hata A, Inoue I. Genome-wide association study to identify genetic variants present in Japanese patients harboring intracranial aneurysms. *Journal Of Human Genetics* 2010, 55: 656-661. [PMID: 20613766](#), [DOI: 10.1038/jhg.2010.82](#).
 13. Bilgüvar K, Öztürk A, Louvi A, Kwan KY, Choi M, Tatlı B, Yalınzoğlu D, Tüysüz B, Çağlayan A, Gökben S, Kaymakçalan H, Barak T, Bakırcioğlu M, **Yasuno K**, Ho W, Sanders S, Zhu Y, Yılmaz S, Dinçer A, Johnson MH, Bronen RA, Koçer N, Per H, Mane S, Pamir MN, Yalçınkaya C, Kumandaş S, Topçu M, Özmen M, Šestan N, Lifton RP, State MW, Günel M. Whole-exome sequencing identifies recessive WDR62 mutations in severe brain malformations. *Nature* 2010, 467: 207-210. [PMID: 20729831](#), [PMCID: PMC3129007](#), [DOI: 10.1038/nature09327](#).
 14. Barak T, Kwan KY, Louvi A, Demirbilek V, Saygi S, Tüysüz B, Choi M, Boyacı H, Doerschner K, Zhu Y, Kaymakçalan H, Yılmaz S, Bakırcioğlu M, Çağlayan A, Öztürk A, **Yasuno K**, Brunken WJ, Atalar E, Yalçınkaya C, Dinçer A, Bronen RA, Mane S, Özçelik T, Lifton RP, Šestan N, Bilgüvar K, Günel M. Recessive LAMC3 mutations cause malformations of occipital cortical development. *Nature Genetics* 2011, 43: 590-594. [PMID: 21572413](#), [PMCID: PMC3329933](#), [DOI: 10.1038/ng.836](#).
 15. **Yasuno K**, Bakırcioğlu M, Low SK, Bilgüvar K, Gaál E, Ruigrok YM, Niemelä M, Hata A, Bijlenga P, Kasuya H, Jääskeläinen JE, Krex D, Auburger G, Simon M, Krischek B, Ozturk AK, Mane S, Rinkel GJ, Steinmetz H, Hernesniemi J, Schaller K, Zembutsu H, Inoue I, Palotie A, Cambien F, Nakamura Y, Lifton RP, Günel M. Common variant near the endothelin receptor type A (EDNRA) gene is associated with intracranial aneurysm risk. *Proceedings Of The National Academy Of Sciences Of The United States Of America* 2011, 108: 19707-19712. [PMID: 22106312](#), [PMCID: PMC3241810](#), [DOI: 10.1073/pnas.1117137108](#).
 16. Fernandez TV, Sanders SJ, Yurkiewicz IR, Ercan-Sencicek AG, Kim YS, Fishman DO, Raubeson MJ, Song Y, **Yasuno K**, Ho WS, Bilguvar K, Glessner J, Chu SH, Leckman JF, King RA, Gilbert DL, Heiman GA, Tischfield JA, Hoekstra PJ, Devlin B, Hakonarson H, Mane SM, Günel M, State MW. Rare Copy Number Variants in Tourette Syndrome Disrupt Genes in Histaminergic Pathways and Overlap with Autism. *Biological Psychiatry* 2011, 71: 392-402. [PMID: 22169095](#), [PMCID: PMC3282144](#), [DOI: 10.1016/j.biopsych.2011.09.034](#).
 17. Clark VE, Erson-Omay EZ, Serin A, Yin J, Cotney J, Özduman K, Avşar T, Li J, Murray PB, Henegariu O, Yılmaz S, Günel JM, Carrión-Grant G, Yılmaz B, Grady C, Tanrikulu B, Bakırcioğlu M, Kaymakçalan H, Caglayan AO, Sencar L, Ceyhun E, Atik AF, Bayri Y, Bai H, Kolb LE, Hebert RM, Omay SB, Mishra-

- Gorur K, Choi M, Overton JD, Holland EC, Mane S, State MW, Bilgüvar K, Baehring JM, Gutin PH, Piepmeier JM, Vortmeyer A, Brennan CW, Pamir MN, Kılıç T, Lifton RP, Noonan JP, **Yasuno K**, Günel M. Genomic Analysis of Non-NF2 Meningiomas Reveals Mutations in TRAF7, KLF4, AKT1, and SMO. *Science* 2013, 339: 1077-1080. [PMID: 23348505](#), [PMCID: PMC4808587](#), [DOI: 10.1126/science.1233009](#).
18. Schaffer AE, Eggens VR, Caglayan AO, Reuter MS, Scott E, Coufal NG, Silhavy JL, Xue Y, Kayserili H, **Yasuno K**, Rosti RO, Abdellateef M, Caglar C, Kasher PR, Cazemier JL, Weterman MA, Cantagrel V, Cai N, Zweier C, Altunoglu U, Satkin NB, Aktar F, Tuysuz B, Yalcinkaya C, Caksen H, Bilguvar K, Fu XD, Trotta CR, Gabriel S, Reis A, Gunel M, Baas F, Gleeson JG. CLP1 Founder Mutation Links tRNA Splicing and Maturation to Cerebellar Development and Neurodegeneration. *Cell* 2014, 157: 651-663. [PMID: 24766810](#), [PMCID: PMC4128918](#), [DOI: 10.1016/j.cell.2014.03.049](#).
 19. Vilarinho S, Erson-Omay EZ, Harmanci AS, Morotti R, Carrion-Grant G, Baranoski J, Knisely AS, Ekong U, Emre S, **Yasuno K**, Bilguvar K, Günel M. Paediatric hepatocellular carcinoma due to somatic CTNNB1 and NFE2L2 mutations in the setting of inherited bi-allelic ABCB11 mutations. *Journal Of Hepatology* 2014, 61: 1178-1183. [PMID: 25016225](#), [DOI: 10.1016/j.jhep.2014.07.003](#).
 20. Caglayan AO, Baranoski JF, Aktar F, Han W, Tuysuz B, Guzel A, Guclu B, Kaymakçalan H, Aktekin B, Akgumus GT, Murray PB, Erson-Omay EZ, Caglar C, Bakircioglu M, Sakalar YB, Guzel E, Demir N, Tuncer O, Senturk S, Ekici B, Minja FJ, Šestan N, **Yasuno K**, Bilguvar K, Caksen H, Gunel M. Brain Malformations Associated With Knobloch Syndrome—Review of Literature, Expanding Clinical Spectrum, and Identification of Novel Mutations. *Pediatric Neurology* 2014, 51: 806-813.e8. [PMID: 25456301](#), [PMCID: PMC5056964](#), [DOI: 10.1016/j.pediatrneurol.2014.08.025](#).
 21. Caglayan AO, Comu S, Baranoski JF, Parman Y, Kaymakçalan H, Akgumus GT, Caglar C, Dolen D, Erson-Omay EZ, Harmanci AS, Mishra-Gorur K, Freeze HH, **Yasuno K**, Bilguvar K, Gunel M. NGLY1 mutation causes neuromotor impairment, intellectual disability, and neuropathy. *European Journal Of Medical Genetics* 2014, 58: 39-43. [PMID: 25220016](#), [PMCID: PMC4804755](#), [DOI: 10.1016/j.ejmg.2014.08.008](#).
 22. Mishra-Gorur K, Çağlayan AO, Schaffer AE, Chabu C, Henegariu O, Vonhoff F, Akgümüş GT, Nishimura S, Han W, Tu S, Baran B, Gümüş H, Dilber C, Zaki MS, Hossni HA, Rivière JB, Kayserili H, Spencer EG, Rosti RÖ, Schroth J, Per H, Çağlar C, Çağlar Ç, Dölen D, Baranoski JF, Kumandaş S, Minja FJ, Erson-Omay EZ, Mane SM, Lifton RP, Xu T, Keshishian H, Dobyns WB, C. N, Šestan N, Louvi A, Bilgüvar K, **Yasuno K**, Gleeson JG, Günel M. Mutations in KATNB1 Cause Complex Cerebral Malformations by Disrupting Asymmetrically Dividing Neural Progenitors. *Neuron* 2014, 84: 1226-1239. [PMID: 25521378](#), [PMCID: PMC5024344](#), [DOI: 10.1016/j.neuron.2014.12.014](#).
 23. Mishra-Gorur K, Çağlayan AO, Schaffer AE, Chabu C, Henegariu O, Vonhoff F, Akgümüş GT, Nishimura S, Han W, Tu S, Baran B, Gümüş H, Dilber C, Zaki MS, Hossni HAA, Rivière JB, Kayserili H, Spencer EG, Rosti RÖ, Schroth J, Per H, Çağlar C, Çağlar Ç, Dölen D, Baranoski JF, Kumandaş S, Minja FJ, Erson-Omay EZ, Mane SM, Lifton RP, Xu T, Keshishian H, Dobyns WB, Chi NC, Šestan N, Louvi A, Bilgüvar K, **Yasuno K**, Gleeson JG, Günel M. Mutations in KATNB1 Cause Complex Cerebral Malformations by Disrupting Asymmetrically Dividing Neural Progenitors. *Neuron* 2015, 85: 228. [PMID: 29654772](#), [DOI: 10.1016/j.neuron.2014.12.046](#).
 24. Erson-Omay EZ, Çağlayan AO, Schultz N, Weinhold N, Omay SB, Özduman K, Köksal Y, Li J, Serin Harmanci A, Clark V, Carrión-Grant G, Baranoski J, Çağlar C, Barak T, Coşkun S, Baran B, Köse D, Sun J, Bakircioğlu M, Moliterno Günel J, Pamir MN, Mishra-Gorur K, Bilguvar K, **Yasuno K**, Vortmeyer A, Huttner AJ, Sander C, Günel M. Somatic POLE mutations cause an ultramutated giant cell high-

- grade glioma subtype with better prognosis. *Neuro-Oncology* 2015, 17: 1356-1364. [PMID: 25740784](#), [PMCID: PMC4578578](#), [DOI: 10.1093/neuonc/nov027](#).
25. Juhlin CC, Stenman A, Haglund F, Clark VE, Brown TC, Baranoski J, Bilguvar K, Goh G, Welander J, Svahn F, Rubinstein JC, Caramuta S, **Yasuno K**, Günel M, Bäckdahl M, Gimm O, Söderkvist P, Prasad ML, Korah R, Lifton RP, Carling T. Whole-exome sequencing defines the mutational landscape of pheochromocytoma and identifies KMT2D as a recurrently mutated gene. *Genes Chromosomes And Cancer* 2015, 54: 542-554. [PMID: 26032282](#), [PMCID: PMC4755142](#), [DOI: 10.1002/gcc.22267](#).
 26. Erson-Omay E, Schultz N, Omay S, Ozduman K, Harmanci A, Clark V, Baranoski J, Gunel J, Pamir M, Bilguvar K, **Yasuno K**, Vortmeyer A, Huttner A, Sander C, Gunel M. GENO-15IDENTIFICATION AND GENOMIC ANALYSIS OF HYPER-MUTATED AND ULTRA-MUTATED GBMS. *Neuro-Oncology* 2015, 17: v94-v94. [PMCID: PMC4638807](#), [DOI: 10.1093/neuonc/nov215.15](#).
 27. Bai H, Harmanci AS, Erson-Omay EZ, Li J, Coşkun S, Simon M, Krischek B, Özdoğan K, Omay SB, Sorensen EA, Turcan Ş, Bakırcıoğlu M, Carrión-Grant G, Murray PB, Clark VE, Ercan-Sencicek AG, Knight J, Sencar L, Altınok S, Kaulen LD, Gülez B, Timmer M, Schramm J, Mishra-Gorur K, Henegariu O, Moliterno J, Louvi A, Chan TA, Tannheimer SL, Pamir MN, Vortmeyer AO, Bilguvar K, **Yasuno K**, Günel M. Integrated genomic characterization of IDH1-mutant glioma malignant progression. *Nature Genetics* 2015, 48: 59-66. [PMID: 26618343](#), [PMCID: PMC4829945](#), [DOI: 10.1038/ng.3457](#).
 28. Çağlayan AO, Tüysüz B, Coşkun S, Quon J, Harmanci AS, Baranoski JF, Baran B, Erson-Omay EZ, Henegariu O, Mane SM, Bilgüvar K, **Yasuno K**, Günel M. A patient with a novel homozygous missense mutation in FTO and concomitant nonsense mutation in CETP. *Journal Of Human Genetics* 2016, 61: 395-403. [PMID: 26740239](#), [PMCID: PMC4880488](#), [DOI: 10.1038/jhg.2015.160](#).
 29. Li H, Bielas SL, Zaki MS, Ismail S, Farfara D, Um K, Rosti RO, Scott EC, Tu S, Chi NC, Gabriel S, Erson-Omay EZ, Ercan-Sencicek AG, **Yasuno K**, Çağlayan AO, Kaymakçalan H, Ekici B, Bilguvar K, Gunel M, Gleeson JG. Biallelic Mutations in Citron Kinase Link Mitotic Cytokinesis to Human Primary Microcephaly. *American Journal Of Human Genetics* 2016, 99: 501-510. [PMID: 27453578](#), [PMCID: PMC4974110](#), [DOI: 10.1016/j.ajhg.2016.07.004](#).
 30. Çağlayan A, Omay Z, Koksall Y, Coskun S, Unal E, Per H, Bilguvar K, **Yasuno K**, Ostergaard J, Gunel M. Constitutive mismatch repair defect syndrome: New insights from whole exome sequencing data and functional studies. *Journal Of Biotechnology* 2016, 231: s12. [DOI: 10.1016/j.jbiotec.2016.05.067](#).
 31. Clark VE, Harmanci AS, Bai H, Youngblood MW, Lee TI, Baranoski JF, Ercan-Sencicek AG, Abraham BJ, Weintraub AS, Hnisz D, Simon M, Krischek B, Erson-Omay EZ, Henegariu O, Carrión-Grant G, Mishra-Gorur K, Durán D, Goldmann JE, Schramm J, Goldbrunner R, Piepmeier JM, Vortmeyer AO, Günel JM, Bilgüvar K, **Yasuno K**, Young RA, Günel M. Recurrent somatic mutations in POLR2A define a distinct subset of meningiomas. *Nature Genetics* 2016, 48: 1253-1259. [PMID: 27548314](#), [PMCID: PMC5114141](#), [DOI: 10.1038/ng.3651](#).
 32. Erson-Omay EZ, Henegariu O, Omay SB, Harmanci AS, Youngblood MW, Mishra-Gorur K, Li J, Özdoğan K, Carrión-Grant G, Clark VE, Çağlar C, Bakırcıoğlu M, Pamir MN, Tabar V, Vortmeyer AO, Bilguvar K, **Yasuno K**, DeAngelis LM, Baehring JM, Moliterno J, Günel M. Longitudinal analysis of treatment-induced genomic alterations in gliomas. *Genome Medicine* 2017, 9: 12. [PMID: 28153049](#), [PMCID: PMC5290635](#), [DOI: 10.1186/s13073-017-0401-9](#).
 33. Harmanci AS, Youngblood MW, Clark VE, Coşkun S, Henegariu O, Duran D, Erson-Omay EZ, Kaulen LD, Lee TI, Abraham BJ, Simon M, Krischek B, Timmer M, Goldbrunner R, Omay SB, Baranoski J, Baran B, Carrión-Grant G, Bai H, Mishra-Gorur K, Schramm J, Moliterno J, Vortmeyer AO, Bilgüvar

- K, **Yasuno K**, Young RA, Günel M. Integrated genomic analyses of de novo pathways underlying atypical meningiomas. *Nature Communications* 2017, 8: 14433. [PMID: 28195122](#), [PMCID: PMC5316884](#), [DOI: 10.1038/ncomms14433](#).
34. Vilarinho S, Erson-Omay E, Mitchell-Richards K, Cha C, Nelson-Williams C, Harmancı AS, **Yasuno K**, Günel M, Taddei TH. Exome analysis of the evolutionary path of hepatocellular adenoma-carcinoma transition, vascular invasion and brain dissemination. *Journal Of Hepatology* 2017, 67: 186-191. [PMID: 28323122](#), [PMCID: PMC5497691](#), [DOI: 10.1016/j.jhep.2017.03.009](#).
 35. Çağlayan AO, Sezer RG, Kaymakçalan H, Ulgen E, Yavuz T, Baranoski JF, Bozaykut A, Harmancı AS, Yalcin Y, Youngblood MW, **Yasuno K**, Bilgüvar K, Günel M. ALPK3 gene mutation in a patient with congenital cardiomyopathy and dysmorphic features. *Molecular Case Studies* 2017, 3: a001859. [PMID: 28630369](#), [PMCID: PMC5593152](#), [DOI: 10.1101/mcs.a001859](#).
 36. Yılmaz S, Alkaya D, Kasapçopur Ö, Barut K, Akdemir ES, Celen C, Youngblood MW, **Yasuno K**, Bilgüvar K, Günel M, Tüysüz B. Genotype–phenotype investigation of 35 patients from 11 unrelated families with camptodactyly–arthropathy–coxa vara–pericarditis (CACP) syndrome. *Molecular Genetics & Genomic Medicine* 2018, 6: 230-248. [PMID: 29397575](#), [PMCID: PMC5902402](#), [DOI: 10.1002/mgg3.364](#).
 37. Harmancı AS, Youngblood MW, Clark VE, Coşkun S, Henegariu O, Duran D, Erson-Omay EZ, Kaulen LD, Lee TI, Abraham BJ, Simon M, Krschek B, Timmer M, Goldbrunner R, Omay SB, Baranoski J, Baran B, Carrión-Grant G, Bai H, Mishra-Gorur K, Schramm J, Moliterno J, Vortmeyer AO, Bilgüvar K, Yasuno K, Young RA, Günel M. Correction: Author Correction: Integrated genomic analyses of de novo pathways underlying atypical meningiomas. *Nature Communications* 2018, 9: 16215. [PMID: 29676392](#), [PMCID: PMC5919704](#), [DOI: 10.1038/ncomms16215](#).
 38. Guemez-Gamboa A, Çağlayan AO, Stanley V, Gregor A, Zaki M, Saleem SN, Musaeov D, McEvoy-Venneri J, Belandres D, Akizu N, Silhavy JL, Schroth J, Rosti RO, Copeland B, Lewis SM, Fang R, Issa MY, Per H, Gumus H, Bayram AK, Kumandas S, Akgumus GT, Erson-Omay E, **Yasuno K**, Bilgüvar K, Heimer G, Pillar N, Shomron N, Weissglas-Volkov D, Porat Y, Einhorn Y, Gabriel S, Ben-Zeev B, Günel M, Gleeson JG. Loss of Protocadherin-12 Leads to Diencephalic-Mesencephalic Junction Dysplasia Syndrome. *Annals Of Neurology* 2018, 84: 638-647. [PMID: 30178464](#), [PMCID: PMC6510237](#), [DOI: 10.1002/ana.25327](#).
 39. Çağlayan AO, Aktar F, Bilgüvar K, Baranoski JF, Akgumus GT, Harmancı AS, Erson-Omay EZ, **Yasuno K**, Caksen H, Günel M. METAP1 mutation is a novel candidate for autosomal recessive intellectual disability. *Journal Of Human Genetics* 2020, 66: 215-218. [PMID: 32764695](#), [PMCID: PMC7785574](#), [DOI: 10.1038/s10038-020-0820-0](#).
 40. Barak T, Ristori E, Ercan-Sencicek AG, Miyagishima DF, Nelson-Williams C, Dong W, Jin SC, Prendergast A, Armero W, Henegariu O, Erson-Omay EZ, Harmancı AS, Guy M, Gültekin B, Kilic D, Rai DK, Goc N, Aguilera SM, Gülez B, Altinok S, Ozcan K, Yarman Y, Coskun S, Sempou E, Deniz E, Hintzen J, Cox A, Fomchenko E, Jung SW, Ozturk AK, Louvi A, Bilgüvar K, Connolly ES, Khokha MK, Kahle KT, **Yasuno K**, Lifton RP, Mishra-Gorur K, Nicoli S, Günel M. PPIL4 is essential for brain angiogenesis and implicated in intracranial aneurysms in humans. *Nature Medicine* 2021, 27: 2165-2175. [PMID: 34887573](#), [PMCID: PMC8768030](#), [DOI: 10.1038/s41591-021-01572-7](#).
 41. Youngblood M, Erson-Omay Z, Li C, Najem H, Coşkun S, Tyrtova E, Montejo J, Miyagishima D, Barak T, Nishimura S, Harmancı A, Clark V, Duran D, Huttner A, Avşar T, Bayri Y, Schramm J, Boetto J, Peyre M, Riche M, Goldbrunner R, Amankulor N, Louvi A, Bilgüvar K, Pamir M, Özdoğan K, Kilic T, Knight J, Simon M, Horbinski C, Kalamarides M, Timmer M, Heimberger A, Mishra-Gorur K,

- Moliterno J, **Yasuno K**, Günel M. Super-enhancer hijacking drives ectopic expression of hedgehog pathway ligands in meningiomas. Nature Communications 2023, 14: 6279. [PMID: 37805627](#), [PMCID: PMC10560290](#), [DOI: 10.1038/s41467-023-41926-y](#).
42. Tabor J, Chavez M, O'Brien J, Morales-Valero S, Pappajohn A, McGuone D, Erson-Omay Z, **Yasuno K**, Gunel M, Moliterno J. EPCO-47. HETEROZYGOUS CDKN2A LOSS IS ASSOCIATED WITH HIGHER RECURRENCE AND LOWER SURVIVAL IN HIGH-, BUT NOT LOW-GRADE MENINGIOMAS. Neuro-Oncology 2023, 25: v134-v135. [PMCID: PMC10639255](#), [DOI: 10.1093/neuonc/noad179.0509](#).
43. Tabor J, O'Brien J, Valero S, Pappajohn A, McGuone D, Erson-Omay Z, **Yasuno K**, Gunel M, Moliterno J. Heterozygous CDKN2A Loss is Associated with Recurrence and Survival in High, But Not Low Grade Meningiomas. Neurosurgery 2024, 70: 203-203. [DOI: 10.1227/neu.0000000000002810](#) [112](#).