

## LIST OF PEER REVIEWED PUBLICATIONS

1. Pastrello C, **Tricarico R**, Tibiletti MG, Papi L, Fornasarig M, Morabito A, Agostini M, Genuardi M, Viel A. Reply to Jaskowski et al. *Eur J Hum Genet*. Feb;15(2):141-2, 2007. **2019/2020 IF: 4.246**
2. Roncari B, Pedroni M, Maffei S, Di Gregorio C, Ponti G, Scarselli A, Losi L, Benatti P, Roncucci L, De Gaetani C, Camellini L, Lucci-Cordisco E, **Tricarico R**, Genuardi M, Ponz de Leon M. Frequency of constitutional *MSH6* mutations in a consecutive series of families with clinical suspicion of HNPCC. *Clin Genet*. 2007 Sep;72(3):230-7. doi: 10.1111/j.1399-0004.2007.00856.x **2019/2020 IF: 4.438**
3. **Tricarico R**, Bet P, Ciambotti B, Di Gregorio C, Gatteschi B, Gismondi V, Toschi B, Tonelli F, Varesco L, Genuardi M. Endometrial cancer and somatic G>T *KRAS* transversion in patients with constitutional *MUTYH* biallelic mutations. *Cancer Lett*. 2009 Feb 18;274(2):266-70. doi: 10.1016/j.canlet.2008.09.022. **2019/2020 IF: 8.679**
4. Gököz O, Presenti L, Gambacorta G, Zolfanelli F, **Tricarico R**, Nistri R, Baroni G, Bianchi S, Massi D. Skin-type adnexal tumor with trichoblastic germinative differentiation in the breast: a case report. *Int J Surg Pathol*. 2011 Aug;19(4):527-33. doi: 10.1177/1066896909337383. **2019/2020 IF: 1.271**
5. **Tricarico R**, Crucianelli F, Alvau A, Orlando C, Sestini R, Tonelli F, Valanzano R, Genuardi M. High resolution melting analysis for a rapid identification of heterozygous and homozygous sequence changes in the *MUTYH* gene. *BMC Cancer*. 2011 Jul 21;11:305. doi: 10.1186/1471-2407-11-305. **2019/2020 IF: 4.430**
6. Ponz de Leon M, Di Gregorio C, Giunti L, Roncucci L, Pedroni M, Tinca AC, Crucianelli F, **Tricarico R**, Genuardi M. Duodenal carcinoma in a 37-year-old man with Cowden/Bannayan syndrome. *Dig Liver Dis*. 2013 Jan;45(1):75-8. doi: 10.1016/j.dld.2012.09.017. **2019/2020 IF: 4.088**
7. Pin E, Pastrello C, **Tricarico R**, Papi L, Quaia M, Fornasarig M, Carnevali I, Oliani C, Fornasin A, Agostini M, Maestro R, Barana D, Aretz S, Genuardi M, Viel A. *MUTYH* c.933+3A>C, associated with a severely impaired gene expression, is the first Italian founder mutation in *MUTYH*-Associated Polyposis. *Int J Cancer*. 2013 Mar 1;132(5):1060-9. doi: 10.1002/ijc.27761. **2019/2020 IF: 7.396**
8. Li P, Du F, Yuelling LW, Lin T, Muradimova RE, **Tricarico R**, Wang J, Enikolopov G, Bellacosa A, Wechsler-Reya RJ, Yang ZJ. A population of Nestin-expressing progenitors in the cerebellum exhibits increased tumorigenicity. *Nat Neurosci*. 2013 Dec;16(12):1737-44. doi: 10.1038/nn.3553. **2019/2020 IF: 24.884**
9. Thompson BA, Spurdle AB, Plazzer JP, et al (160 authors). Application of a 5-tiered scheme for standardized classification of 2,360 unique mismatch repair gene variants in the InSiGHT locus-specific database. *Nat Genet* 2014 Feb;46(2):107-115. doi: 10.1038/ng.2854. **2019/2020 IF: 38.330**
10. **Tricarico R\***, Aretz S\*, Papi L, Spier I, Pin E, Horpaopan S, Cordisco EL, Pedroni M, Stienen D, Gentile A, Panza A, Piepoli A, de Leon MP, Friedl W, Viel A, Genuardi M. *MUTYH*-associated polyposis (MAP): evidence for the origin of the common European mutations p.Tyr179Cys and p.Gly396Asp by founder events. (\*co-first author) *Eur J Hum Genet*. 2014 Jul;22(7):923-9. doi: 10.1038/ejhg.2012.309. **2019/2020 IF: 4.246**
11. Crucianelli F, **Tricarico R**, Turchetti D, Gorelli G, Gensini F, Sestini R, Giunti L, Pedroni M, Ponz de Leon M, Civitelli S, Genuardi M. *MLH1* epimutations in constitutional and tumor tissue from patients with *MLH1* negative tumors fulfilling the revised Bethesda criteria. *Epigenetics*. 2014 Oct;9(10):1431-8. doi: 10.4161/15592294.2014.970080. **2019/2020 IF: 4.584**
12. **Tricarico R**, Cortellino S, Riccio A, Turner D, Li T, Devarajan K, Fodde R, Genuardi M, Bertario L, Radice P, Klein-Szanto AJP, Cai KQ, Viel A, Aaltonen L, Alfonso Bellacosa. Involvement of *MBD4* inactivation in mismatch repair-deficient tumorigenesis. *Oncotarget* 2015 Dec 15;6(40):42892-904. doi: 10.18632/oncotarget.5740. **2016/2017 IF: 5.168** §
13. Henry RA, Mancuso P, Kuo YM, **Tricarico R**, Bellacosa A, Andrews AJ. Interaction with the DNA Repair Protein Thymine DNA Glycosylase Regulates Histone Acetylation by p300. *Biochemistry* 2016 Dec 13;55(49):6766-6775. doi: 10.1021/acs.biochem.6b0084. **2019/2020 IF: 3.162**
14. **Tricarico R**, Kasela M, Mareni C, Thompson BA, Drouet A, Staderini L, Gorelli G, Crucianelli F, Ingrosso V, Kantelinen J, Papi L, De Angioletti M, Berardi M, Gaildrat P, Soukarieh O, Turchetti D, Martins A, Spurdle AB, Nyström M and Genuardi M. Assessment of the InSiGHT Interpretation Criteria for the Clinical Classification of 24 *MLH1* and *MSH2* Gene Variants. *Hum Mutat*. 2017 Jan;38(1):64-77. doi: 10.1002/humu.23117. **2019/2020 IF: 4.878**
15. Peri S, Caretti E, **Tricarico R**, Cheung M, Devarajan K, Nicolas E, Vanderveer LA, Howard S, Conrad P, Crowell JA, Campbell KS, Ross EA, Godwin AK, Yeung AT, Clapper ML, Uzzo RG, Henske EP, Marston Linehan W, Testa JR, Bellacosa A, Kopelovich L, Knudson AG. Haploinsufficiency in Cancer: Altered Genomic Transcription in Non-Tumor Cells Heterozygous for *VHL* or *TSC* Mutation. *Oncotarget* 2017 Mar 14;8(11):17628-17642. doi: 10.18632/oncotarget.12192. **2016/2017 IF: 5.168** §
16. Xu J\*, Cortellino S\*, **Tricarico R**, Chang WC, Scher G, Devarajan K, Slifker M, Moore R, Bassi MR, Caretti E, Clapper ML, Cooper HS and Bellacosa A. Thymine DNA Glycosylase (*TDG*) is involved in the pathogenesis of

- intestinal tumors with reduced APC expression. (*\*co-first author*) *Oncotarget*, 2017 Sep 23;8(52):89988-89997. doi: 10.18632/oncotarget.21219. eCollection 2017 Oct 27. **2016/2017 IF: 5.168** §
17. Nacson J, Kraiss JJ, Bernhardt AJ, Clausen E, Feng W, Wang Y, Nicolas E, Cai KQ, **Tricarico R**, Hua X, DiMarcantonio D, Martinez E, Zong D, Handorf EA, Bellacosa A, Testa JR, Nussenzweig A, Gupta GP, Sykes SM, Johnson N. *BRCA1* Mutation-Specific Responses to 53BP1 Loss-Induced Homologous Recombination and PARP Inhibitor Resistance. *Cell Rep*. 2018 Oct 30;25(5):1384. doi: 10.1016/j.celrep.2018.08.086. **2019/2020 IF: 9.423**
  18. **Tricarico R\***, Mancuso P\*, Bhattacharjee V, Cosentino L, Nicolas E, Einarson M, Beeharry N, Devarajan K, Katz R, Dorjsuren DG, Simeonov A, Kadariya Y, Davidson G, Testa JR, Davidson I, Larue L, Sobol RW, Yen T and Bellacosa A. Thymine DNA Glycosylase as a novel potential target for melanoma therapy (*\*co-first author*) *Oncogene*. 2019 May;38(19):3710-3728. doi: 10.1038/s41388-018-0640-2. **2019/2020 IF: 9.867**
  19. Turchetti D, Zuntini R, **Tricarico R**, Bellacosa A. *BRCA2* in Ovarian Development and Function. *N Engl J Med*. 2019 Mar 14;380(11):1086-1087. **2019/2020 IF: 91.245**
  20. Nicolas E, **Tricarico R**, Savage M, Golemis EA, Hall MJ. Disease-associated genetic variation in human mitochondrial protein *Am J Hum Genet* 2019 May 2;104(5):784-801. doi: 10.1016/j.ajhg.2019.03.019. **2019/2020 IF: 11.025**
  21. **Tricarico R\***, Nicolas E, Hall MJ, Golemis EA\*. X- and Y-linked chromatin-modifying genes as regulators of sex-specific cancer incidence and prognosis. (*\*co-corresponding author*) *Clinical Cancer Research* Nov 1;26(21):5567-5578. doi: 10.1158/1078-0432.CCR-20-1741. **2019/2020 IF: 12.531**
  22. Serebriiskii IG, Pavlov V, **Tricarico R**, Nicolas E, Parker MI, Newberg J, Frampton G, Christopher Meyer JE, Golemis EA. Comprehensive characterization of *PTEN* mutational profile in population-size cohort of colorectal cancer samples *Nat Commun*. 2022 Mar 25;13(1):1618. doi: 10.1038/s41467-022-29227-2. **2019/2020 IF: 14.919**
  23. Coppedè F, Franzago M, Giardina E, Lo Nigro C, Matullo G, Moltrasio C, Nacmias B, Pileggi S, Sirchia SM, Stoccoro A, Storlazzi CT, Stuppia L, **Tricarico R**, Merla G. A perspective on diet, epigenetics, and complex diseases: where is the field headed next? (*Epigenomics, under minor revision*) **2019/2020 IF: 4.778**
  24. **Tricarico R**, Madzo J, Scher G, Maegawa S, Jelinek JJ, Nagarathinam R, Scher C, Chang WC, Nicolas E, Zhou Y, Slifker M, Devarajan K, Cai KQ, Nakajima P, Xu J, Mancuso P, Doneddu V, Bagella L, Ingram J, Balachandran S, Grivennikov SI, I Peshkova I, Kurilenko N, Aleksandra Mazitova A, Koltsova E, Yen TJ, Issa JP, Alfonso Bellacosa. TET1-TDG active DNA demethylation axis suppresses intestinal tumorigenesis (*Gastroenterology, under minor revision*). **2019/2020 IF: 22.682**
  25. Nikonova AS\*, Deneka AY\*, Silva FN, Tricarico R, Kiseleva AA, YZhou Y, Nicolas E, Flieder DB, Grivennikov SI, Golemis EA. Loss of Pkd1 limits susceptibility to colitis and colorectal cancer (*\*co-first author*) (*PNAS, under review*) **2019/2020 IF: 11.205**

#### *Research article in preparation*

1. Foscarini A, **Tricarico R**, De Martino D, Gentile F, Mohr H, Gulde S, Ranzani GN, Pellegata NS. Functional characterization of *TRIB2* pseudokinase in gastric cancer (*research article in preparation*).

#### Book Chapter

1. **Tricarico R** and Bellacosa A. Active DNA Demethylation in Development, Human Disease and Cancer. In: "DNA Replication, Recombination and Repair - Molecular Mechanisms and Pathology", edited by K. Sugawara and F. Hanaoka, Springer, New York, NY, 2015.

#### On-line review

1. Genuardi M, **Tricarico R**. *MUTYH* (mutY homolog (E. coli)). *Atlas Genet Cytogenet Oncol Haematol*. June 2006 (<http://tiny.cc/4k5z9y>)

**Scholar Metrics (source: Scopus September 2022): Tricarico R: 694 citations; H-index: 13**

§=2019/2020 IF not available