

DAFTAR PUSTAKA

- Agulnik, M. and J.B. Epstein. 2008. Nasopharyngeal carcinoma: current management, future directions and dental implications. *Oral Oncology* **44** (7): 617–627
- AJCC Cancer Staging Manual. 2010. 7th ed. New York, NY: *Springer*, 2010 : 41–56
- American Cancer Society. 2013. Nasopharyngeal Cancer. Atlanta, Ga: *American Cancer Society*; 2013.
- Buermans H. P., Ariyurek Y., van Ommen G., den Dunnen J. T., dan 't Hoen P. A. 2010. New methods for next generation sequencing based microRNA expression profiling. *BMC Genomics* **11**: 716.
- Cai L. M., Lyu X. M., Luo W. R., Cui X. F. , Ye Y. F., Yuan C. C., Peng Q. X., Wu D. H., Liu T. F., Wang E., Marincola F. M., Yao K. T., Fang W. Y., Cai H. B., dan Li X. 2014. EBV-miR-BART7-3p promotes the EMT and metastasis of nasopharyngeal carcinoma cells by suppressing the tumor suppressor PTEN. *Oncogene*. 2014 Oct 27.
- Cai, Longmei, Jinbang Li, Xiaona Zhang, Yaoyong Lu, Jianguo Wang, Xiaoming Lyu, Yuxiang Chen, Jinkun Liu, Hongbing Cai, Ying Wang, dan Xing Li. 2015. Gold nano-particles (AuNPs) carrying anti-EBV-miR-BART7-3p inhibit growth of EBV-positive nasopharyngeal carcinoma. *Oncotarget*, Vol. 6, No. 10.
- Chang E. T., dan Adami H. 2006. The Enigmatic Epidemiology of Nasopharyngeal Carcinoma. *Cancer Epidemiol Biomarkers Prev* **15** (10): 1765–1777.
- Chen, Kevin, Rajewsky, dan Nikolaus. 2007. The evolution of gene regulation by transcription factors and microRNAs. *Nature Reviews Genetics* **8** (2): 93–103.
- Chen C., Ridzon D. A., Broomer A. J., Zhou Z., Lee D. H., Nguyen J. T., Barbisin M., Xu N. L., Mahuvakar V. R., Andersen M. R., Lao K. Q., Livak K. J., dan Guegler K. J. 2005. Real-time quantification of microRNAs by stem-loop RT-PCR. *Nucleic Acids Res.* **33** (20): e179.
- Esquela-Kerscher A. dan Slack F. J. 2006. Oncomirs — microRNAs with a role in cancer. *Nat Rev Cancer* **6**: 259–69. PubMed
- Faller M., dan Guo F. 2008. MicroRNA biogenesis: there's more than one way to skin a cat. *Biochim. Biophys. Acta* **1779** (11): 663–7.

- Friedman R. C., Farh K. K., Burge C. B., dan Bartel D. P. 2009. Most mammalian mRNAs are conserved targets of microRNAs. *Genome Res.* **19** (1): 92–105.
- Gaohong Zhang, Jingfeng Zong, Shaojun Lin, Rob J.A. Verhoeven, Shuang Tong, Yixin Chen, Mingfang Ji, Weimin Cheng, Sai-Wah Tsao, Maria Lung, Jianji Pan dan Honglin Chen. 2014. Circulating Epstein–Barr virus microRNAs miR-BART7 and miR-BART13 as biomarkers for nasopharyngeal carcinoma diagnosis and treatment. *International Journal of Cancer.*
- Gregory R. I., Chendrimada T. P., dan Shiekhattar. 2006. MicroRNA biogenesis: isolation and characterization of the microprocessor complex. *Methods Mol. Biol.* **342**: 33–47.
- Griffiths-Jones S., Saini H. K., van Dongen S., dan Enright A. J. 2008. miRBase: tools for microRNA genomics. *Nucleic Acids Res.* **36** (Database issue): D154–8. doi:10.1093/nar/gkm952. PMC 2238936. PMID 17991681.
- Gupta A., Nagilla P., Le H. S., Bunney C., Zych C., Thalamuthu A., Bar-Joseph Z., Mathavan S., dan Ayyavoo V. 2011. Comparative expression profile of miRNA and mRNA in primary peripheral blood mononuclear cells infected with human immunodeficiency virus (HIV-1). In Mammano, Fabrizio. *PLoS ONE* **6** (7): e22730.
- Ji, Xinhua. 2008. The mechanism of RNase III action: how dicer dices. *Current Topics in Microbiology and Immunology* **320**: 99–116.
- Kang, Dong, Rebecca L. Skalsky dan Bryan R. Cullen. 2015. EBV BART MicroRNAs Target Multiple Pro-apoptotic Cellular Genes to Promote Epithelial Cell Survival. *PLoS Pathog* **11**(6): e1004979. doi:10.1371/journal.ppat.1004979.
- Kaur H., Arora A., Wengel J., Maiti S., Arora A., Wengel J., dan Maiti S. 2006. Thermodynamic, Counterion, and Hydration Effects for the Incorporation of Locked Nucleic Acid Nucleotides into DNA Duplexes. *Biochemistry* **45** (23): 7347–55.
- Kloosterman W. P., Lagendijk A. K., Ketting R. F., Moulton J. D., dan Plasterk R. H. 2007. Targeted inhibition of miRNA maturation with morpholinos reveals a role for miR-375 in pancreatic islet development. *PLoS Biol.* **5** (8): e203.
- Lagendijk A. K., Moulton J. D., dan Bakkers J. 2012. Revealing details: whole mount microRNA in situ hybridization protocol for zebrafish embryos and adult tissues. *Bio Open* **1** (6): 566.
- Lawrence, Young S. dan Paul G. Murry. 2003. Epstein–Barr Virus and oncogenesis: from latent genes to tumors. *Oncogene* **22** (33): 5108–5121

- Lee Y., Kim M., Han J., Yeom K. H., Lee S., Baek S. H., dan Kim V. N. 2004. MicroRNA genes are transcribed by RNA polymerase II. *EMBO J.* **23** (20): 4051–60.
- Lin S. L., Chang D., dan Ying SY. 2005. Asymmetry of intronic pre-miRNA structures in functional RISC assembly. *Gene* **356**: 32–8.
- Livak, K. J., dan Schmittgen T. D. 2001. Analysis of relative gene expression data using real-time quantitative PCR and the 2(-Delta Delta C(T)) Method. *Methods*. 2001 Dec;25(4):402-8.
- Lo K. W., Chung G. T., dan To K. F. 2012. Deciphering the molecular genetic basis of NPC through molecular, cytogenetic, and epigenetic approaches. *Semin Cancer Biol.* 2012, Apr;22(2):79–86.
- Lozano, R. 2012. Global and regional mortality from 235 causes of death for 20 age groups in 1990 and 2010: a systematic analysis for the Global Burden of Disease Study 2010. *Lancet* **380** (9859): 2095–128.
- Lund E., dan Dahlberg J. E. 2006. Substrate selectivity of exportin 5 and Dicer in the biogenesis of microRNAs. *Cold Spring Harb. Symp. Quant. Biol.* **71**: 59–66.
- Meister G., Landthaler M., Dorsett Y., dan Tuschl T. 2004. Sequence-specific inhibition of microRNA- and siRNA-induced RNA silencing. *RNA* **10** (3): 544–50.
- Mraz M., Malinova K., Mayer J., dan Pospisilova S. 2009. MicroRNA isolation and stability in stored RNA samples. *Biochem. Biophys. Res. Commun.* **390** (1): 1–4.
- Morozova N., Zinovyev A., Nonne N., Pritchard L. L., Gorban A. N., dan Harel-Bellan A. 2012. Kinetic signatures of microRNA modes of action. *RNA* **18** (9): 1635–55.
- Murchison EP, dan Hannon G. J. 2004. miRNAs on the move: miRNA biogenesis and the RNAi machinery. *Curr. Opin. Cell Biol.* **16** (3): 223–9.
- National Center for Infectious Diseases. 2014. In the United States, as many as 95% of adults between 35 and 40 years of age have been infected.
- Okamura K., Chung W. J., dan Lai E. C. 2008. The long and short of inverted repeat genes in animals: microRNAs, mirtrons and hairpin RNAs. *Cell Cycle* **7** (18): 2840–5.
- Rana, T.M. 2007. Illuminating the silence: understanding the structure and function of small RNAs. *Nat. Rev. Mol. Cell Biol.* **8** (1): 23–36.
- Rodriguez A., Griffiths-Jones S., Ashurst J. L., dan Bradley A. 2004. Identification of mammalian microRNA host genes and transcription units. *Genome Res.* **14** (10A): 1902–10.

- Sapre, Nikhil dan Luke A. Selth. 2013. Circulating MicroRNAs as Biomarkers of Prostate Cancer: The State of Play. *Prostate Cancer Volume 2013*, Article ID 539680, 10 pages.
- Schwarz D. S., Hutvagner G., Du T., Xu Z., Aronin N., dan Zamore P. D. 2003. Asymmetry in the assembly of the RNAi enzyme complex. *Cell* **115** (2): 199–208.
- Schwarz D. S., dan Zamore P. D. 2002. Why do miRNAs live in the miRNP?. *Genes Dev.* **16** (9): 1025–31.
- Shingara J., Keiger K., Shelton J., Laosinchai-Wolf W., Powers P., Conrad R., Brown D., dan Labourier E. 2005. An optimized isolation and labeling platform for accurate microRNA expression profiling. *RNA* **11** (9): 1461–70.
- Sham, JST, W. I. Wei, Z. Yong-Sheng et al. 1990. Detection of subclinical nasopharyngeal carcinoma by fiberoptic endoscopy and multiple biopsy. *The Lancet* **335** (8686) : 371–374, 1990.
- Shu-Jen Chen, Gian-Hung Chen, Yi-Hsuan Chen, Cheng-Yuan Liu, Kai-Ping Chang, Hua-Chien Chen, dan Yu-Sun Chang. 2010. Characterization of Epstein-Barr Virus miRNAome in Nasopharyngeal Carcinoma by Deep Sequencing. *PLoS ONE* **5**(9): e12745
- Tanzer A., dan Stadler P. F. 2004. Molecular evolution of a microRNA cluster. *J. Mol. Biol.* **339** (2): 327–35.
- Wei, W. I. dan J. S. T. Sham. 2005. Nasopharyngeal carcinoma. *The Lancet*, **365** (9476) : 2041–2054, 2005.
- You Y, Moreira B. G., Behlke M. A., dan Owczarzy R. 2006. Design of LNA probes that improve mismatch discrimination. *Nucleic Acids Res* **34** (8): e60.
- Yun Zhu, Jia , Thorsten Pfuhl, Natalie Motsch, Friedrich Gra Nsser, Stephanie Barth, Gunter Meister, dan John Nicholls. 2009. Identification of Novel Epstein-Barr Virus MicroRNA Genes from Nasopharyngeal Carcinomas. *JOURNAL OF VIROLOGY*, Apr. 2009 : 3333–3341.
- Zhang, Gao Hong, Jingfeng Zong, Shaojun Lin, Rob J.A. Verhoeven, Shuang Tong, Yixin Chen, Mingfang Ji, Weimin Cheng, Sai-Wah Tsao, Maria Lung, Jianji Pan, dan Honglin Chen. 2015. Circulating Epstein–Barr virus microRNAs miR-BART7 and miR-BART13 as biomarkers for nasopharyngeal carcinoma diagnosis and treatment. *Int. J. Cancer*: 136, E301–E312 (2015)