

## Publications

1. Bird, R.C., Jacobs, F.A., Stein, G., Stein, J., and Sells, B.H. 1985. A Unique Subspecies of Histone H4 mRNA From Rat Myoblasts Contains Poly (A). *Proc. Natl. Acad. Sci. USA* 82:6760-6764.
2. Ahern T.E., Bird, R.C., Church Bird, A.E., Wolfe, L.G. (1993) Overexpression of c-erbB-2 and c-myc but not c-ras, in Canine Melanoma Cell Lines, is Associated with Metastatic Potential in Nude Mice, *Anticancer Research* 13, 1365-1372.
3. Pai, S.R., Bird, R.C. (1994) Overexpression of c-fos Induces Expression of the Retinoblastoma Tumor Suppressor Gene Rb in Transfected Cells. *Anticancer Research*, 14:2501-2508.
4. Pai, S.R., Bird, R.C. (1994) c-fos expression is required during all phases of the cell cycle during exponential cell proliferation. *Anticancer Res* 14, 985-994.
5. Pai, S.R., Bird, R.C. (1995) Overexpression of c-fos induces expression of the retinoblastoma tumor suppressor gene Rb in transfected cells. *Anticancer Res*, 14, 2501-2508.
6. Ahern, T.E., Bird, R.C., Church Bird, A.E., and Wolfe, L.G. (1995) Overexpression of the oncogene c-erbB-2 in canine mammary carcinomas and tumor-derived cell lines, *Am. J. Vet. Res.*, 57,693-696.
7. Bird, R.C. (1997) The Cyclin/cdk Complex: Regulation of Cell Cycle Progression and Nuclear Disassembly. In *Nuclear Structure and Gene Expression: The Nuclear Matrix and Chromatin Structure* (R.C.Bird, G.Stein, J.Lian, and J.Stein, eds.), Academic Press, NY, 145-177.
8. Pai, S.R., and Bird, R.C. 1998. Interactions of the Rb Tumor Suppressor Protein with the c-fos Promoter in c-fos Transfected Cells Overexpressing c-fos and Rb, *Anticancer Research*, *Anticancer Research* 17:3265-3272.
9. Silverstein, P., Buch, S. J., and Bird, R.C. (2002). Principles of cDNA Cloning in Genetic Library Construction and Screening (R. C. Bird and B. F. Smith, eds.), Springer-Verlag, Berlin, pp. 3-19.
10. Bird, R.C., and Wu, G. (2002). Subtractive Hybridization and cDNA Cloning in Genetic Library Construction and Screening (R. C. Bird and B. F. Smith, eds.), Springer-Verlag, Berlin, pp. 97-123.
11. Bird, R.C. (2003). Regulation of Cyclin-Dependent Kinase 1 (cdc2) Expression During the G0/G1 Phase Transition and The Consequences for Regulation of Cell Cycle Progression, in *G1 Phase Progression* (J. Boonstra, ed.), Landes Biosciences, Georgetown, Texas, pp. 1-18.
12. R. C. Bird and P. DeInnocentes (2004) Characterization of the CDP-Like/CTAS-1 Enhancer in the Okadaic Acid Response Element (OARE) of the Human cdk1(p34cdc2) Promoter, *Anticancer Research* 24(3), 1469-1480.
13. Migone, F., Bird, R.C., DeInnocentes, P., Lenz, S., and Smith, B. (2005). Alterations in CDK1 Expression and Localization Following Induction in a Spontaneous Canine Mammary Cancer Model, *J Cell Biochem.* 2006 Jun 1;98(3):504-518.

14. DeInnocentes, P., Li, L.X., Sanchez, R.L., and Bird, R.C. (2006) Expression and Sequence of Canine SIRT2 and p53 Alleles in Canine Mammary Tumor Cells - Effects on Down Stream Targets Wip1 and p21/Cip1, *Veterinary and Comparative Oncology*, 4(3) 161-177.
15. Bird, R.C., DeInnocentes, P., Lenz, S., Thacker, E.E., Curiel, D.T., and Smith, B.F. (2008) Cross-presentation of a hybrid-cell fusion vaccine against canine mammary cancer, *Veterinary Immunology & Immunopathology*, 123 289-304.
16. Jayanna, P.K., Deinnocentes, P., Bird, R.C., Petrenko, V.A. (2008) Landscape phage probes for PC3 prostate carcinoma cells, *Proceedings, NSTI-Nanotechnology Conference: Life Sciences, Medicine, and Bio Materials*, Vol. 2, 457-460.
17. Fagbohun, O.A., Bedi, D., Jayanna, P.K., Deinnocentes, P., Bird, R.C., Petrenko, V.A. (2008) Landscape phage probes for PC3 breast cancer cells, *Proceedings, NSTI-Nanotechnology Conference: Life Sciences, Medicine, and Bio Materials*, Vol. 2, 461-464.
18. DeInnocentes P, Agarwal P, Bird RC. (2009) Phenotype-rescue of cyclin-dependent kinase inhibitor p16/INK4A defects in a spontaneous canine cell model of breast cancer. *J Cell Biochem.* 106:491-505.
19. Bird, R.C. (2009) Defects in Genes Regulating the Cell Cycle in Spontaneous Canine Models of Cancer, In *Trends in Cell Cycle Research* (K. Yoshida ed.), Research Sign Post, Kerala, India, 209-236.
20. Thacker, E.E., Nakayama, M., Smith, B.F., Bird R.C., Muminova, Z., Strong, T., Timares, L., Korokhov, N., O'Neill, A.M., de Gruijl, T.D., Glasgow, J.N., Tani, K., Curiel D.T. (2009) A Genetically Engineered Adenovirus Vector Targeted to CD40 Mediates Transduction of Canine Dendritic Cells and Promotes Antigen-Specific Immune Responses In Vivo. *Vaccine*, 27(50):7116-7124.
21. Jayanna PK, Bedi D, Deinnocentes P, Wang T, Torchilin VP, Bird RC, Petrenko VA. (2009) Towards Phage-Targeted Medications for Prostate Cancer, in press. *New Progress and Challenges in Pharmaceutical Sciences* Eds: Hincal, AA, Celebi, N, Yuksel, N), *Proceedings, Third Annual BBBB International Conference on Pharmaceutical Sciences Part IV*, Antalya, Turkey, pp. 178-191.
22. Smith, B.F., and Bird, R.C. (2010) Hematologic Neoplasia - Gene Therapy, *Schalm's Veterinary Hematology 6<sup>th</sup>Edition*, pp. 550-557.
23. Bird, R.C., A. Church Bird and P. DeInnocentes 2011 (December 2010) Animal Cell Separation and Subcellular Fractionation. In: *ENCYCLOPEDIA OF LIFE SCIENCES 2011*, John Wiley & Sons, Ltd: Chichester [DOI: 10.1002/978047001], pp. 1-7.
24. Jayanna P.K., Bedi D., Gillespie J.W., DeInnocentes P., Wang T., Torchilin V.P., Bird R.C., and Petrenko V.A. (2010) Landscape Phage Fusion Protein-Mediated Targeting of Nanomedicines Enhances their Prostate Tumor Cell Association and Cytotoxic Efficiency. *Nanomedicine.* 6(4):538-46. [2010 Aug;6 Epub ahead of print].
25. Jayanna P.K., Bedi D, Deinnocentes P., Bird R.C. and Petrenko V.A. (2010) Landscape Phage Probes for PC3 Prostate Carcinoma cells. *Protein Engineering, Design, and Selection*, 23(6):423-30 [Epub 2010 Feb 25].

26. Bird, R.C., DeInnocentes, P., Church Bird A.E., van Ginkel F.W. and Smith B.F. (2011) An Autologous Dendritic Cell-Canine Mammary Tumor Hybrid-Cell Fusion Vaccine, *Cancer Immunology and Immunotherapy*, 60:87–97. [Epub ahead of print 2010 Nov]
27. Bedi, D., Musacchio, T., Fagbohun, O.A., Deinnocentesa, P., Bird, R.C., Bookbinder, L., Torchilin, V.P. and Petrenko V.A. (2011) Delivery of siRNA into Breast Cancer Cells via Phage Fusion Protein-Targeted Liposomes. *Nanomedicine: Nanotechnology, Biology, and Medicine* Nanomedicine, 2010 Nov 2. [Epub ahead of print].
28. O'Neill, A.M., Smith, A., Spangler, E., Whitley, E., Schleis, S., Bird, R.C., Curiel, D., Thacker, E., Smith, B.F. (2011) Resistance of Canine Lymphoma Cells to Adenoviral infection due to Reduced Cell Surface RGD Binding Integrins, *Cancer Biology & Therapy, Cancer Biol Ther.* 11(7) [2011 Apr 1;Epub ahead of print].
29. Agarwal P, Lutful Kabir, F.M., DeInnocentes P, **Bird RC**. 2012. Tumor suppressor gene p16/INK4A/CDKN2A and its role in cell cycle exit, differentiation, and determination of cell fate, *in Tumor Suppressor Genes*, Intech Open Access Pub., Rijeka, Croatia, pp. 1-34.
30. Olegfabon, Bedi, D., Grabchenko, N.I., DeInnocentes, P., **Bird, R.C.**, Petrenko, V.A. 2012. Landscape phages and their fusion proteins targeted to breast cancer cells, *Protein Eng Des Sel, PEDS Advance Access published April 6*, 1-13.
31. Lutful Kabir, F.M., Agarwal, P., DeInnocentes, P., Zaman, J., Church Bird, A.E., **Bird, R.C.** 2013. Novel frameshift mutation in the p16/INK4A tumor suppressor gene in a canine mammary tumor causes dramatic changes in expression from the p16/INK4A/p14ARF locus, *Journal of Cellular Biochemistry* 114:56–66. published Aug 2012. *Authors FMLK and PA contributed equally to this work.*
32. Agarwal, P., DeInnocentes, P., Sandey, M., **Bird, R.C.** 2013. Tumor Suppressor Gene p16/INK4A/CDKN2A Dependent Regulation Into and Out of the Cell Cycle in a Spontaneous Canine Model of Breast Cancer, *J Cell Biochem.* 114:1355-1363 [2012 Dec 13Epub ahead of print].
33. Lutful Kabir, F, O'Neill, AM, Smith, BF, **Bird, RC**, 2013. Canine breast cancer and lymphoma as models in cancer research, in *Animal Models of Cancer Research: Applications, Outcomes and Controversies*, Animal Models of Cancer Research, SA Murray ed. Nova, pp. 69-86.
34. Foote, J.B., Lutful Kabir, F.M., Graff, E., Cattley, R., Deinnocentes, P., Smith,, B.F. and **R.C. Bird**. 2014. Engraftment of Canine Peripheral Blood Lymphocytes into Non-Obese Diabetic-Severe Combined Immune deficient IL-2R common gamma chain null mice, *Veterinary Immunology and Immunopathology*, 157:131–141.
35. DeInnocentes, P., Perry, A.L., Graff, E.C., Lutful Kabir, F.M. and **Bird, R.C.** 2014. Characterization of *HOX* Gene Expression in Canine Mammary Tumor Cell Lines from Spontaneous Tumors, *Veterinary and Comparative Oncology*, in press, 2013 Sep 6. doi: 10.1111/vco.12062. [Epub ahead of print].
36. Sandey, M., **Bird, R.C.**, Das, S.K., Sarkar, D., Curiel, D.T., Fisher, P.B., Smith, B.F. 2014. Characterization of the Canine mda-7 Gene, Transcripts and its Expression Patterns, *Gene, Gene.* May 24. pii: S0378-1119(14)00632-5. doi: 10.1016/j.gene.2014.05.054. [Epub ahead of print].