

## **15. Division of Radiological Protection and Biology**

- 1) Niimi N., Sassa A., Katafuchi A., Grúz P., Fujimoto H., Bonala R.-R., Johnson F., Ohta T. and Nohmi T., "The Steric Gate Amino Acid Tyrosine 112 Is Required for Efficient Mismatched-Primer Extension by Human DNA Polymerase  $\kappa'$ ", *Biochemistry*, **48**, 4239-4246, 2009.
- 2) Bhosale P, Li B, Sharifzadeh M, Gellermann W, Frederick JM, Tsuchida K, Bernstein PS. Purification and partial characterization of a lutein-binding protein from human retina. *Biochemistry*. 48, 4798-807. (2009)
- 3) Wang HB, Sakudoh T, Kawasaki H, Iwanaga M, Araki K, Fujimoto H, Takada N, Iwano H, Tsuchida K. Purification and expression analysis of imaginal disc growth factor in the silkworm, *Bombyx mori*. *Journal of Insect Physiology*, 55, 1065-71. (2009)
- 4) Sakudoh T, Tsuchida K. Transport of carotenoids by a carotenoid-binding protein in the silkworm. In: Carotenoids: Physical, Chemical, and Biological Functions and Properties. CRC Press, 511-523. (2009)
- 5) Sakudoh T, Iizuka T, Narukawa J, Sezutsu H, Kobayashi I, Kuwazaki S, Banno Y, Kitamura A, Sugiyama H, Takada N, Fujimoto H, Kadono-Okuda K, Mita K, Tamura T, Yamamoto K, Tsuchida K. A CD36-related transmembrane protein is coordinated with an intracellular lipid-binding protein in selective carotenoid transport for cocoon coloration. *Journal of Biological Chemistry*, 285, 7739-51. (2010)
- 6) Tsuchida K, Yokoyama T, Sakudoh T, Katagiri C, Tsurumaru S, Takada N, Fujimoto H, Ziegler R, Iwano H, Hamano K, Yaginuma T. Apolipophorin-III expression and low density lipophorin formation during embryonic development of the silkworm, *Bombyx mori*. *Comparative Biochemistry and Physiology Part B: Biochemistry and Molecular Biology*. 155, 363-70. (2010).
- 7) Katafuchi A., Sassa A., Niimi N., Grúz P., Fujimoto H., Masutani C., Hanaoka F., Ohta T. and Nohmi T., "Critical amino acids involved in erroneous incorporation of oxidized nucleotides by human DNA polymerases  $\eta$  and  $\kappa'$ ", *Nucl. Acids Res.*, **38**, 859-867, 2010.