

REVIEW

Assessing colorectal cancer heterogeneity: one step closer to tailored medicine

Pavel Pitule, Miroslava Čedíková, Vladislav Třeška, Milena Králíčková, Václav Liška 115–129

ORIGINAL ARTICLES

Regulatory effect of β -catenin on proliferation of hair follicle stem cells involves PI3K/Akt pathway

Yi Zhang, Jin Yu, Chunying Shi, Yun Wang, Jin Yang, Tian Yang 131–141

Computational modeling in the prediction of Dynamic Hip Screw failure in proximal femoral fractures

Maroš Hrubina, Zdeněk Horák, Radek Bartoška, Leoš Navrátil, Jozef Rosina 143–151

Human colostrum melatonin exhibits a day-night variation and modulates the activity of colostrum phagocytes

Adenilda Cristina Honorio-França, Cristiane Castro Pernet Hara, João Victor Silva Ormonde, Gabriel Triches Nunes, Eduardo Luzia França 153–162

Effects of glucocorticoids on cytochrome P450 1A1 (CYP1A1) expression in isolated human placental trophoblast

Lucie Stejskalová, Radim Vrzal, Alice Rulcová, Zdeněk Dvořák, Petr Pávek 163–172

Application of EPR spectroscopy to examination of free radicals in melanins from A-375 and G-361 human *melanoma malignum* cells

Ewa Chodurek, Magdalena Zdybel, Barbara Pilawa 173–185

Tacrine can suppress immune response to tularemia in BALB/c mouse model

Miroslav Pohanka, Oto Pavlis 187–193

Naringenin attenuates testicular damage, germ cell death and oxidative stress in streptozotocin induced diabetic rats: naringenin prevents diabetic rat testicular damage

Souvik Roy, Noorjaman Rahaman, Faiqa Ahmed, Satyajit Metya, Santanu Sannigrahi 195–208