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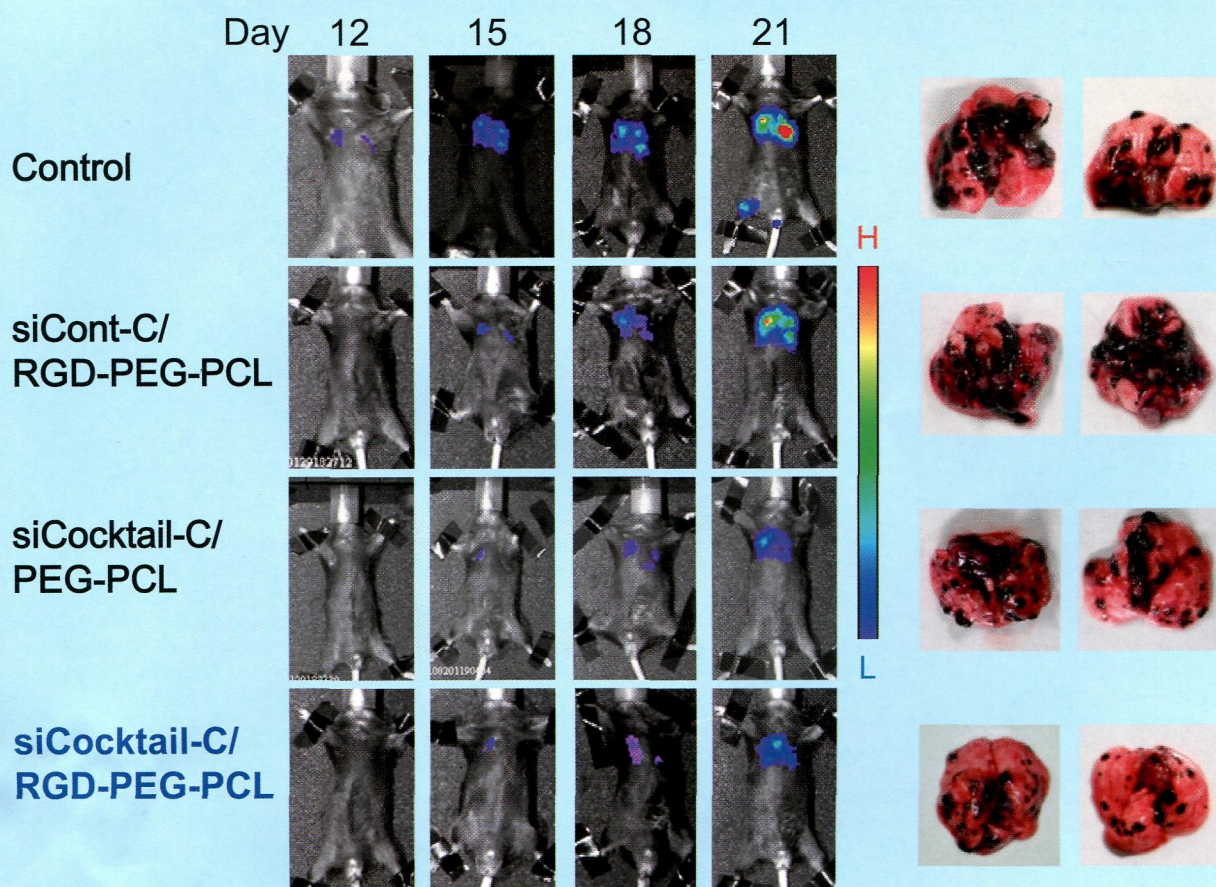
# Biological and Pharmaceutical Bulletin

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Cover Figure Systemic Delivery of siRNA for Cancer Therapy

pp. 287-291

Current Topics Stem Cell Research for Regenerative Medicine/Personalized Medicine



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## Contents

### Current Topics

Stem Cell Research for Regenerative Medicine/Personalized Medicine Foreword	
<b>K. Suzuki</b> .....	165
Transcription Factor Network in Embryonic Stem Cells: Heterogeneity under the Stringency <b>Y. Nakai-Futatsugi and H. Niwa</b> .....	166
Therapeutic Application of Stem Cell Technology toward the Treatment of Parkinson's Disease <b>K. Nishimura and J. Takahashi</b> .....	171
Angiogenic Cell Therapy for Severe Ischemic Diseases <b>T. Yamaguchi, T. Kanayasu-Toyoda, and E. Uchida</b> .....	176
Novel Insights into Disease Modeling Using Induced Pluripotent Stem Cells <b>T. Egashira, S. Yuasa, and K. Fukuda</b> .....	182
Tumorigenicity Studies for Human Pluripotent Stem Cell-Derived Products <b>T. Kuroda, S. Yasuda, and Y. Sato</b> .....	189

### Regular Articles

DAT-230, a Novel Microtubule Inhibitor, Induced Aberrant Mitosis and Apoptosis in SGC-7901 Cells <b>F. Qiao, D. Zuo, H. Wang, Z. Li, H. Qi, W. Zhang, and Y. Wu</b> .....	193
Suppressive Effects of Oral Administration of Heat-Killed <i>Lactobacillus acidophilus</i> on T Helper-17 Immune Responses in a Bovine $\beta$ -Lactoglobulin-Sensitized Mice Model <b>A. Li, X. Meng, C. Duan, G. Huo, Q. Zheng, and D. Li</b> .....	202
Activation of c-Jun N-Terminal Kinase Mediates Tanshinone IIA-Induced Apoptosis in KBM-5 Chronic Myeloid Leukemia Cells <b>S.-M. Yun, S.-J. Jeong, J.-H. Kim, J. H. Jung, H.-J. Lee, E. J. Sohn, M.-H. Lee, and S.-H. Kim</b> .....	208
Photodynamic Therapy in Combination with Talaporfin Sodium Induces Mitochondrial Apoptotic Cell Death Accompanied with Necrosis in Glioma Cells <b>Y. Miki, J. Akimoto, S. Yokoyama, T. Homma, M. Tsutsumi, J. Haraoka, K. Hirano, and M. Beppu</b> .....	215
The Assessment of Risk for Gastrointestinal Injury with Anticoagulant and Antiplatelet Drugs: The Possible Beneficial Effect of Eicosapentaenoic Acid for the Risk of Gastrointestinal Injury <b>M. Tanaka, A. Tanaka, K. Suemaru, and H. Araki</b> .....	222
Effect of Polyphenols on Production of Steroid Hormones from Human Adrenocortical NCI-H295R Cells <b>E. Hasegawa, S. Nakagawa, M. Sato, E. Tachikawa, and S. Yamato</b> .....	228
Potential Antiarrhythmic Effect of Methyl 3,4,5-Trimethoxycinnamate, a Bioactive Substance from Roots of <i>Polygalae Radix</i> : Suppression of Triggered Activities in Rabbit Myocytes <b>Z. Zhao, M. Fang, D. Xiao, M. Liu, N. Fefelova, C. Huang, W.-J. Zang, and L.-H. Xie</b> .....	238
Effect of Cytochrome P450 2C8*3 on the Population Pharmacokinetics of Pioglitazone in Healthy Caucasian Volunteers <b>R. Kadam, D. Bourne, U. Kompella, and C. Aquilante</b> .....	245
Simultaneous Measurement of Serotonin, Dopamine and Their Metabolites in Mouse Brain Extracts by High-Performance Liquid Chromatography with Mass Spectrometry Following Derivatization with Ethyl Chloroformate <b>J.-Y. Park, S.-W. Myung, I.-S. Kim, D.-K. Choi, S.-J. Kwon, and S.-H. Yoon</b> .....	252

A Novel Inhibitor of Stearoyl-CoA Desaturase-1 Attenuates Hepatic Lipid Accumulation, Liver Injury and Inflammation in Model of Nonalcoholic Steatohepatitis <b>N. Kurikawa, T. Takagi, S. Wakimoto, Y. Uto, H. Terashima, K. Kono, T. Ogata, and J. Ohsumi</b> .....	259
Blocking of the Human Ether-à-go-go-Related Gene Channel by Imatinib Mesylate <b>Q. Dong, X. Fu, L. Du, N. Zhao, C. Xia, K. Yu, L. Cheng, and Y. Du</b> .....	268
Percutaneous Absorption and Antibacterial Activities of Lipid Nanocarriers Loaded with Dual Drugs for Acne Treatment <b>C.-H. Lin, Y.-P. Fang, S. A. Al-Suwayeh, S.-Y. Yang, and J.-Y. Fang</b> .....	276
Systemic Delivery of Small Interfering RNA by Use of Targeted Polycation Liposomes for Cancer Therapy <b>E. Kenjo, T. Asai, N. Yonenaga, H. Ando, T. Ishii, K. Hatanaka, K. Shimizu, Y. Urita, T. Dewa, M. Nango, H. Tsukada, and N. Oku</b> .....	287
Differentiation of Monkey Embryonic Stem Cells to Hepatocytes by Feeder-Free Dispersion Culture and Expression Analyses of Cytochrome P450 Enzymes Responsible for Drug Metabolism <b>J. Maruyama, T. Matsunaga, S. Yamaori, S. Sakamoto, N. Kamada, K. Nakamura, S. Kikuchi, and S. Ohmori</b> .....	292
Coffee Reduces <i>SULT1E1</i> Expression in Human Colon Carcinoma Caco-2 Cells <b>M. Isshiki, H. Ohta, and H. Tamura</b> .....	299

### Notes

Survey on the Attitudes of Pharmacy Students in Japan toward Doping and Supplement Intake <b>Y. Saito, K. Kasashi, Y. Yoshiyama, N. Fukushima, T. Kawagishi, T. Yamada, and K. Iseki</b> .....	305
Electrophysiological Effects of the Antiarrhythmic Drug Bepridil on the Guinea-Pig Pulmonary Vein Myocardium <b>A. Takahara, K. Takeda, M. Hagiwara, and H. Tanaka</b> .....	311
Anticancer Activity of Pristimerin in Epidermal Growth Factor Receptor 2-Positive SKBR3 Human Breast Cancer Cells <b>J. S. Lee, I. S. Yoon, M. S. Lee, E. Y. Cha, P. T. Thuong, T. T. Diep, and J. R. Kim</b> .....	316
Salmon Calcitonin Reduces Oxaliplatin-Induced Cold and Mechanical Allodynia in Rats <b>M. Aoki, A. Mori, T. Nakahara, K. Sakamoto, and K. Ishii</b> .....	326

**About the cover:** Novel polycation liposomes decorated with polyethylene glycol and cyclic(Cys-Arg-Gly-Asp-D-Phe) peptide (RGD-PEG-PCL) were designed for targeted delivery of small interfering RNAs (siRNA) to tumors. The cocktail of cholesterol-conjugated siRNAs for c-myc, MDM2, and VEGF (siCocktail-C) was formulated in RGD-PEG-PCL for cancer therapy based on RNA interference. Therapeutic effect of systemic administration of siCocktail-C/RGD-PEG-PCL was examined in C57BL/6 mice inoculated with lung metastatic B16F10 melanoma constitutively expressing luciferase. Delivered by RGD-PEG-PCL, siCocktail-C significantly inhibited the growth of B16F10 melanoma. We conclude RGD-PEG-PCL to be useful for the treatment of cancer with siRNA that suppresses the expression of target protein(s) crucial for tumor growth. See the article by Kenjo *et al.* on page 287 of this issue.