Foreword

Welcome to our latest edition of the School of Pharmacy Journal, a collection of publications and press releases from November and December 2013. This has been another period of significant outputs across a broad spectrum of research areas.

Highlights include a paper published in Nature Chemistry by Cameron Alexander and colleagues showing bacteria clustering by polymers induces the expression of quorum-sensing-controlled phenotypes. This illustrates design principles and chemical strategies for controlling bacterial behaviour at the population level. From medicinal chemistry Peter Fischer's group published a paper in Bioorganic & Medicinal Chemistry describing 5-Deazafavin derivatives as inhibitors of p53 ubiquitination by HDM2. These structure activity relationship results, in combination with a HDM2 RING domain receptor recognition model forms the basis for the design of drug-like and potent activators of p53 for potential cancer therapy. Research from the area of gene regulation and David Heery's group is published in Nucleic Acids Research where novel sequence motifs discovered for the developmental co-repressor BCL11A that facilitate its selective interactions that shed light on nuclear receptor cofactor complex formation. Research from Rachel Elliot's group in the journal Trials describes a protocol for the new medicine service study: a randomized controlled trial and economic evaluation with qualitative appraisal comparing the effectiveness and cost effectiveness of the New Medicine Service in community pharmacies in England.

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Mannan binding lectin-associated serine protease 1 is induced by hepatitis C virus infection and activate human hepatic stellate cells
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Synthesis, structure-eactivity relationship and biological evaluation of 2,4,5-trisubstituted pyrimidine CDK inhibitors as potential anti-tumour agents

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Protocol for the New Medicine Service Study: a randomized controlled trial and economic evaluation with qualitative appraisal comparing the effectiveness and cost effectiveness of the New Medicine Service in community pharmacies in England
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Bacteria clustering by polymers induces the expression of quorum-sensing-controlled phenotypes

Leong T. Lui, Xuan Xue, Cheng Sui, Alan Brown, David I. Pritchard, Nigel Halliday, Klaus Winzer, Steven M. Howdle, Francisco Fernandez-Trillo, Natalio Krasnogor and Cameron Alexander

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Lipid Effects on Expulsion Rate of Amphotericin B from Solid Lipid Nanoparticles

See Wei Tan and Nashiru Billa

AAPS PharmSciTech - available online

DOI: 10.1208/s12249-013-0056-9

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