



山口大学大学院創成科学研究科

第 64 回常盤台コロキアム

山口大学工学部（宇部市常盤台二丁目）

創成科学研究科では、各分野より先生方をお招きして最先端研究セミナーを開催しております。理工学系をはじめとする山口大学のすべての大学院学生・学部学生・教職員の参加を歓迎します。

2017.12.7. (Thursday) 17:20～18:20

D23 番講義室

Rasheed Ahmad

Postdoctoral Fellow, School of Biological Sciences and medical Engineering, Southeast University, Nanjing, China

Cutting Edge Protein and Carbohydrate-based Materials for Anticancer Drug Delivery

Materials derived from biological sources not only offer biocompatibility but also adjust with the disease for elongated treatments and more effective therapies. These materials can be utilized as building blocks to construct state of the art drug delivery vehicles like nanoparticles, hydrogels, and nanofibers capable of dramatically enhancing the therapeutic efficiency in cancer treatment. New emerging trends in drug delivery design are constantly reported in recent literature using carbohydrates like cellulose, chitosan, and alginate and proteins like albumin, collagen, gelatin, and zein. In addition, drug vehicles with combination of carbohydrates and proteins have proved extremely effective. This research report is focused on carbohydrate and protein-based materials in fabrication of cutting edge drug delivery systems and clarify their future impact in therapeutic methods to cure cancer.

問い合わせ先：創成科学研究科 赤田倫治（9292）