

**Tentative Outline**  
**Special Issue for Current Drug Metabolism**

*Guest Editor(s): Xiangkai Li & Dali Liu*

**Tentative Title: Exosomes As Targeted Drug Delivery Vehicles:  
Perspectives And Challenges**

**Aims & Scope:**

Exosomes are cell-derived Nano vesicles which can mediate intracellular communication by transferring exosomal message such as mRNA, miRNA, protein and etc. It has been reported that exosomes play important roles in antigen presentation, occurrence and progress of tumors, and signal transduction of neurons. Besides, it can act as carrier for targeted drug delivery, carrying mRNA and miRNA to places where diseases are located and reaching the goal of targeted therapy. Therefore, it can used a drug delivery vehicles for numerous diseases. However, the hypothesis of using exosomes to deliver therapeutic cargo is still in initial stage considering the heterogeneity and individualized genetic background of tumor cells.

In this special issue, we will focus the following research areas: 1) Intracellular communication of tumor cells and matrix cells mediated by exosomes. 2) Potential application of exosomes in disease diagnosis. 3) Therapeutic study of exosomes as drug carriers for tumor treatment. 4) Advantages and disadvantages of using exosomes as drug carriers.

**Keywords:**

Exosomes; Targeted drug delivery; Disease diagnosis; Drug carrier; Disease Treatment

**Schedule:**

Manuscript submission deadline:	June 10 <sup>th</sup> , 2019
Peer Review Due:	June 25 <sup>th</sup> , 2019
Revision Due:	July 20 <sup>th</sup> , 2019
Notification of acceptance by the Guest Editors:	July 31 <sup>st</sup> , 2019
Final manuscripts due:	July 31 <sup>st</sup> , 2019