



SDI Review Form 1.6

Journal Name:	International Journal of Biochemistry Research & Review
Manuscript Number:	2014_IJBcRR_10649
Title of the Manuscript:	Maternal Obesity and Malnutrition in Rats Differentially Affect Glucose Sensing in The Muscles and Adipose Tissues in The Offspring
Type of the Article	Original Research Article

General guideline for Peer Review process:

This journal's peer review policy states that **NO** manuscript should be rejected only on the basis of '**lack of Novelty**', provided the manuscript is scientifically robust and technically sound.

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PART 1: Review Comments

	Reviewer's comment	Author's comment (if agreed with reviewer, correct the manuscript and highlight that part in the manuscript. It is mandatory that authors should write his/her feedback here)
<u>Compulsory</u> REVISION comments	The results of this original research article are very interesting. A lot of important parameters were studied under the investigation of maternal obesity and malnutrition on the peripheral glucose sensing and mitochondria biogenesis in F1 offspring. The authors also showed a central role of the postnatal feeding in the development of carbohydrate disturbances in the offspring of obese and malnourished mothers. Some age and sex peculiarities for fetal diabetogenic programming were revealed. Authors suggested a possible molecular mechanism of the fetal programming according to the results of this investigation. To my opinion the results of this investigation are the great contribution for the understanding and elucidating of the molecular mechanisms of the fetal programming and give the basis for the further explorations.	
<u>Minor</u> REVISION comments		
<u>Optional/General</u> comments		

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