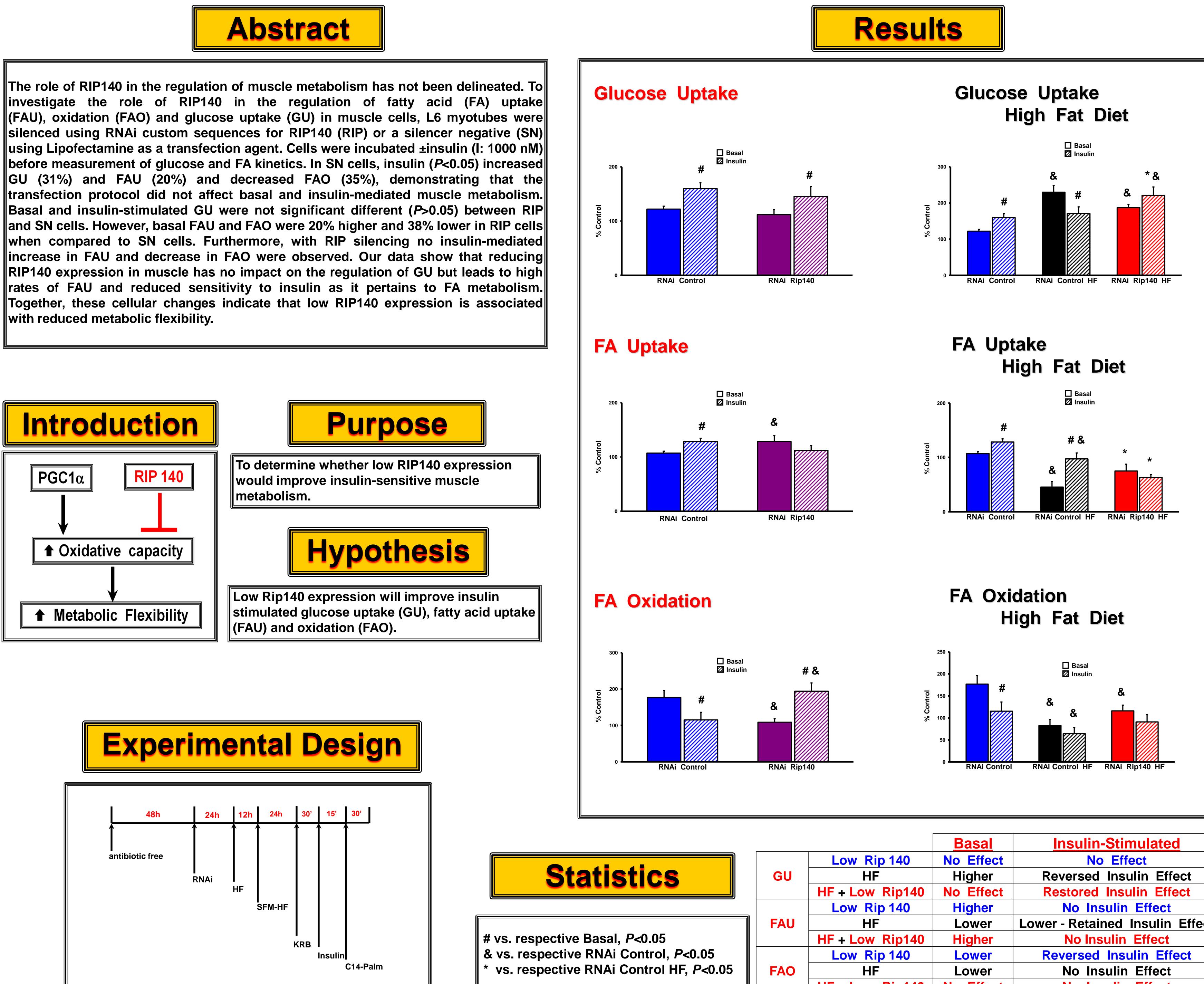
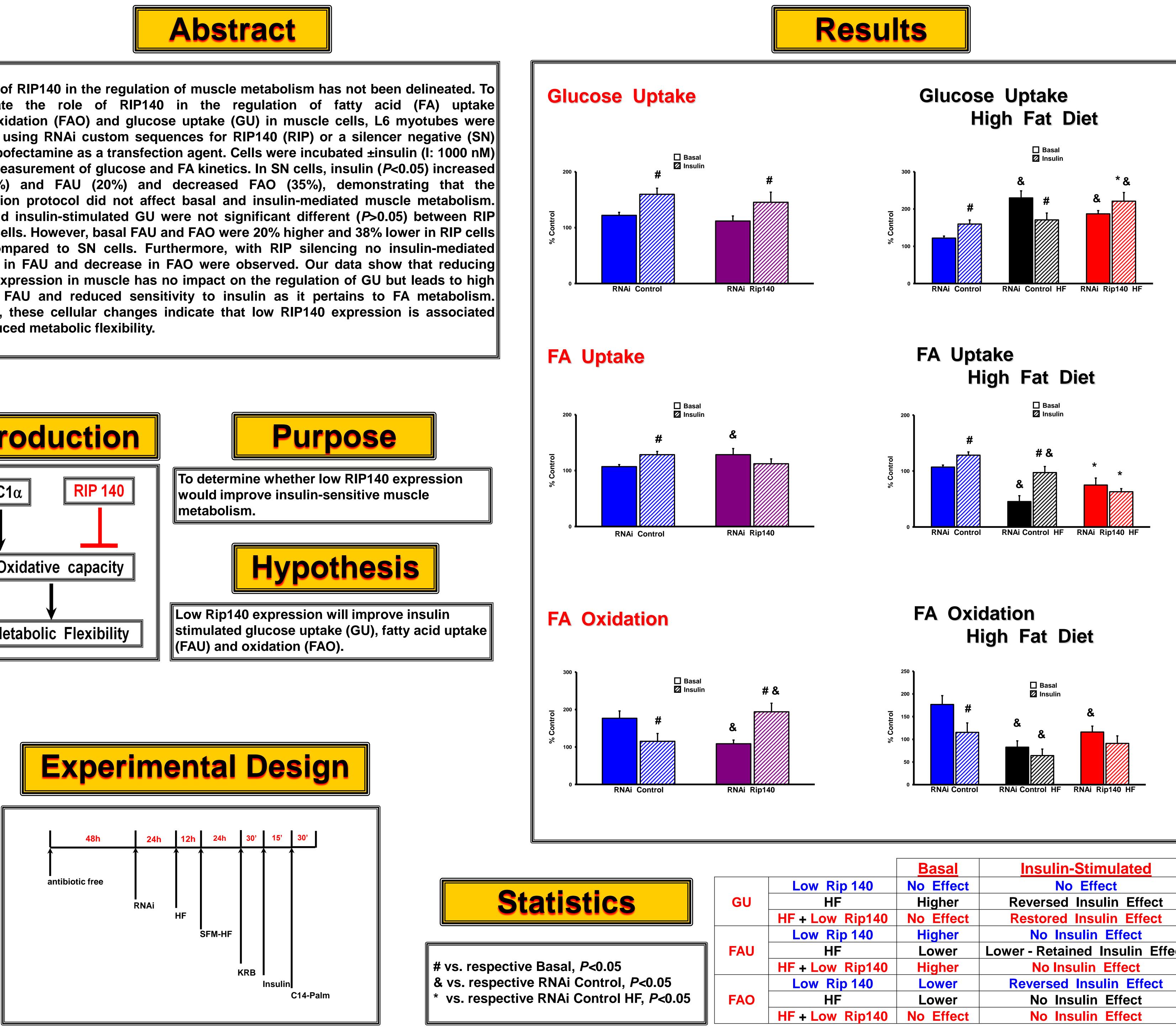
## **University of Southern California**

## Receptor Interacting Protein 140 (RIP140) silencing via RNAi interferes with fatty acid metabolism but not with glucose uptake in L6 muscle cells



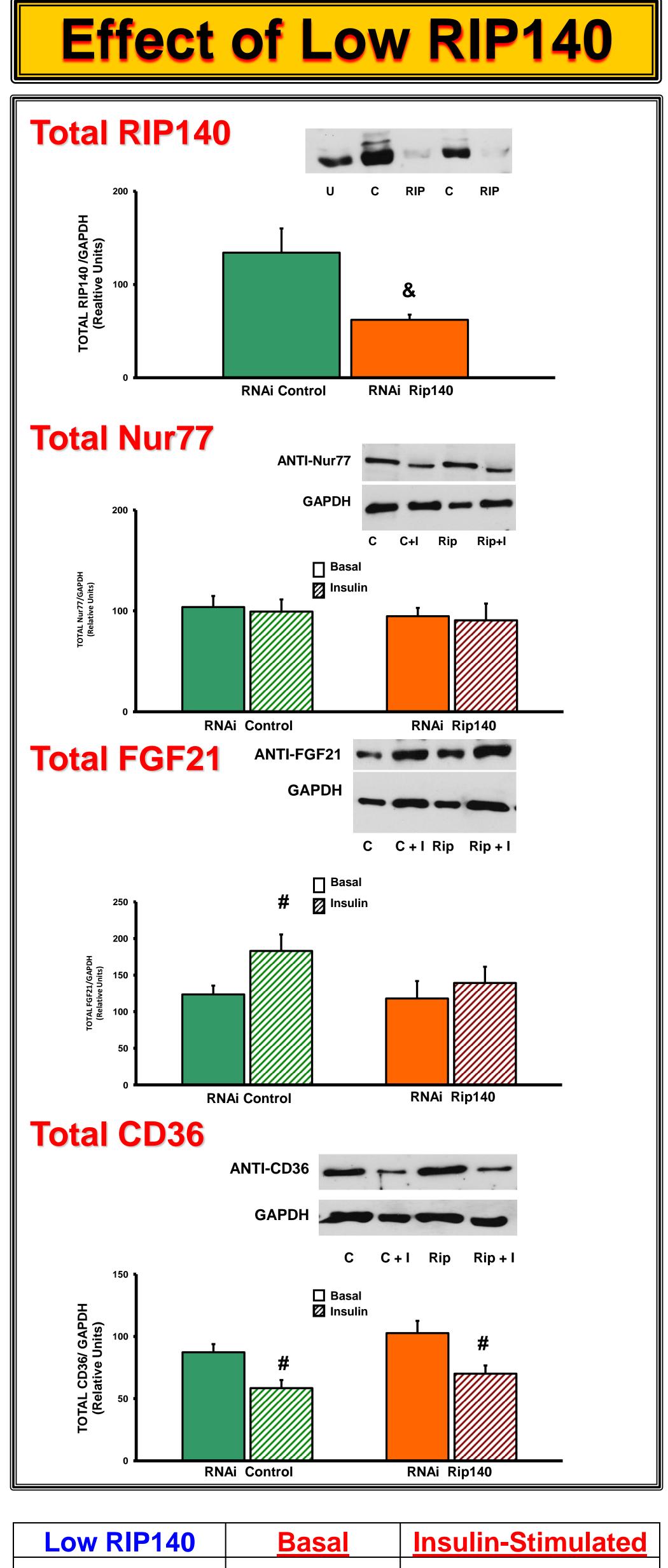




Silvana Constantinescu and Lorraine P. Turcotte Department of Biological Sciences and Department of Kinesiology, University of Southern California, Los Angeles, CA

		<b>Basal</b>	Insulin-Stimulated
	Low Rip 140	No Effect	No Effect
	HF	Higher	<b>Reversed Insulin Effect</b>
	HF + Low Rip140	No Effect	<b>Restored Insulin Effect</b>
	Low Rip 140	Higher	No Insulin Effect
	HF	Lower	Lower - Retained Insulin Effect
	HF + Low Rip140	Higher	No Insulin Effect
	Low Rip 140	Lower	<b>Reversed Insulin Effect</b>
	HF	Lower	No Insulin Effect
	HF + Low Rip140	No Effect	No Insulin Effect





Low RIP140	<b>Basal</b>	Insulin-Stimulated
Total Nur77	No Change	No Change
FGF21	No Change	Lower
CD36	No Change	No Change

Acknowledgements •Women in Science and Engineering Program Integrative and Evolutionary Graduate Program