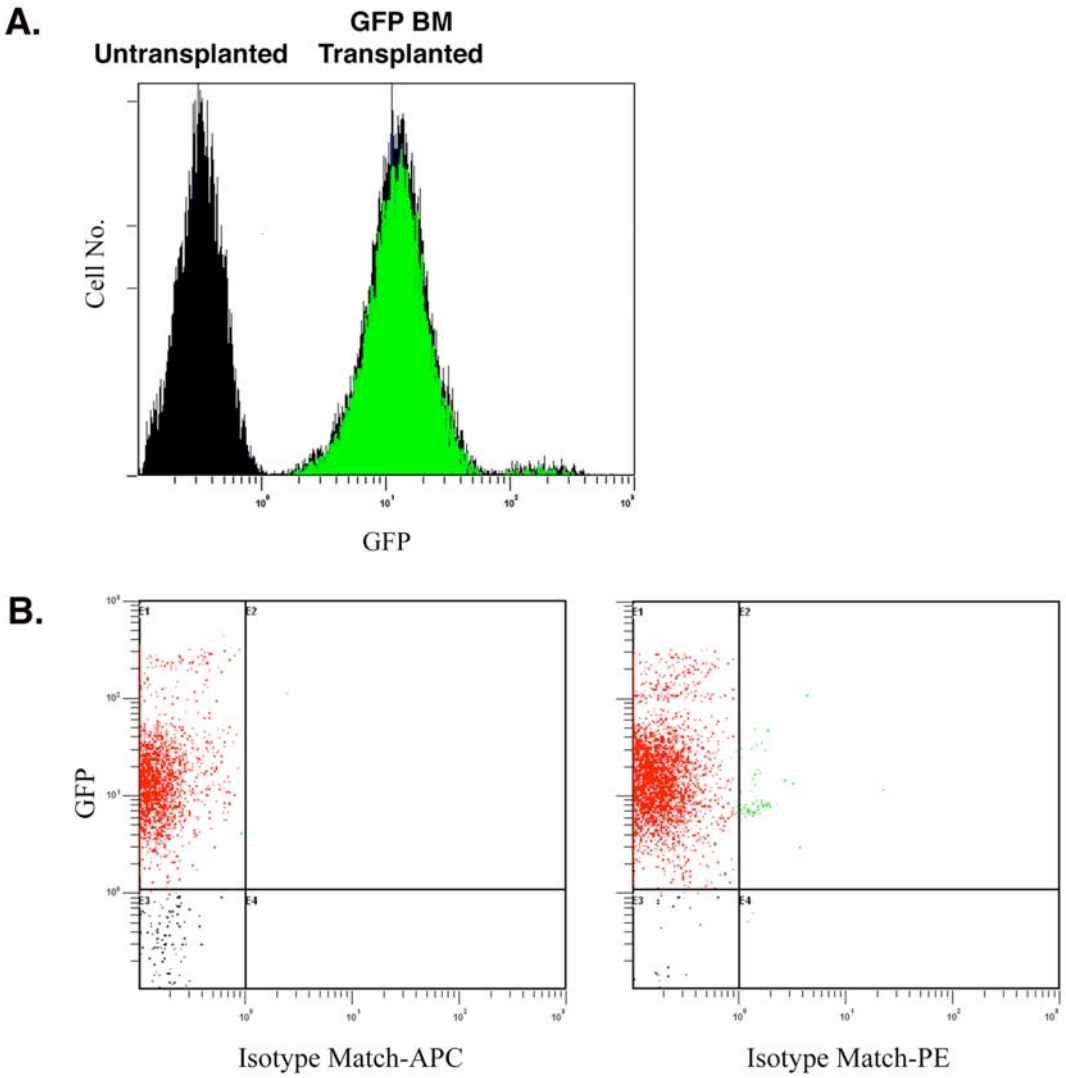
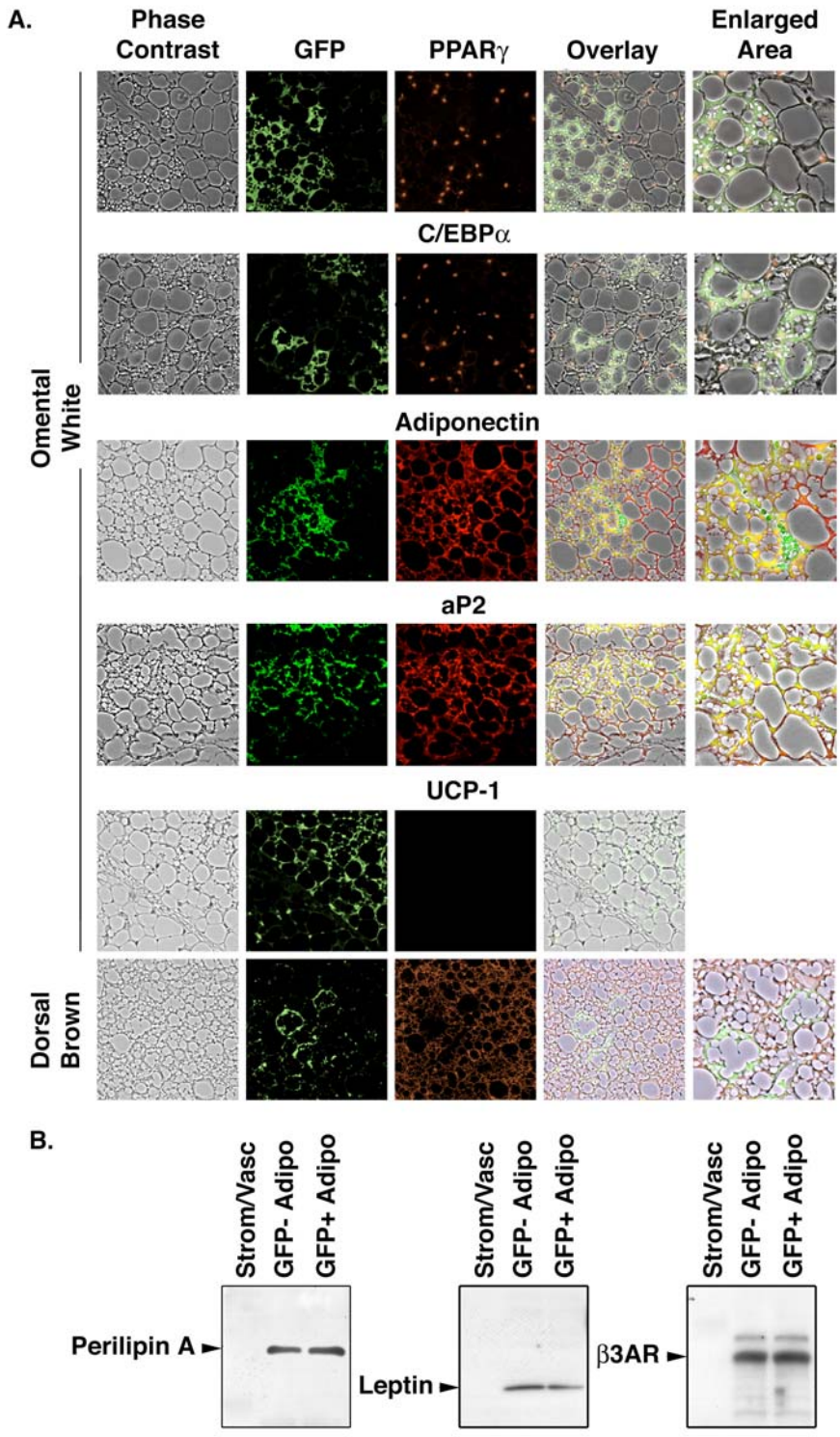
Supplementary Table 1. Affect of ROSI and High Fat Diet on Cell Surface Marker Expression on PBMC, and Omental and Dorsal Intrascapular Fat Stromal/Vascular Populations.

		PBMC				
		Week 1		Week 3	Week 7	
		ROSI	High Fat	High Fat	ROSI	High Fat
CD45+	Sca-1+	1.00	1.17	1.08	1.08	1.06
"	c-Kit+	1.06	0.85	1.27	1.33	1.05
"	CD34+	0.87	0.72	1.83	0.95	0.55
"	CD11b+	1.10	0.82	0.76	1.18	0.76
"	CD14+	0.97	0.82	1.67	2.63	1.19
"	Gr-1+	0.87	0.84	1.01	1.62	0.72
"	Thy-1+	1.00	0.90	1.26	1.25	1.06
"	B220+	0.87	1.16	0.97	1.03	0.76
CD45-	Sca-1+	0.89	1.50	0.57	18.88	1.88
		Omental				
		Week 1		Week 3	Week 7	
		ROSI	High Fat	High Fat	ROSI	High Fat
CD45+	Sca-1+	0.84	1.20	0.91	1.06	1.17
"	c-Kit+	0.79	1.29	0.96	0.83	1.03
"	CD34+	0.89	1.22	1.56	0.80	1.08
"	CD11b+	1.10	1.10	0.92	0.83	0.90
"	CD14+	1.14	0.75	1.58	0.95	1.04
"	Gr-1+	0.78	1.04	1.25	1.03	1.07
"	Thy-1+	0.96	1.07	1.12	1.05	1.13
"	B220+	0.74	1.04	0.97	0.83	1.04
CD45-	Sca-1+	0.60	1.00	1.02	0.60	2.11
		Dorsal				
		Week 1		Week 3	Week 7	
		ROSI	High Fat	High Fat	ROSI	High Fat
CD45+	Sca-1+	0.94	1.15	1.12	0.93	1.00
"	c-Kit+	0.94	0.94	1.16	1.45	1.19
"	CD34+	0.80	1.40	1.93	1.46	1.29
"	CD11b+	1.00	0.92	1.13	1.06	1.02
"	CD14+	0.82	0.73	1.00	1.85	1.45
"	Gr-1+	0.69	0.94	1.00	1.17	1.11
"	Thy-1+	1.00	0.94	1.42	1.16	1.29
"	B220+	1.04	1.25	1.28	1.07	0.96
CD45-	Sca-1+	0.69	0.61	0.59	0.68	0.98

PBMC and stromal/vascular cells from omental and intrascapular fat depots were pooled from 3 animals, labeled with the cell surface marker antibodies indicated, and subjected to flow cytometric analysis. Numbers indicate fold change in GFP+ cells expressing the cell surface markers indicated from ROSI-treated or high fat fed animals relative to levels measured in samples from untreated animals.



Supplementary Figure 1. Engraftment of GFP + bone marrow into irradiated mice, and FACS analysis of isotype-matched negative control antibodies. A) Female C57BL6 mice were irradiated, and transplanted with GFP+ BM cells from UBI-GFP transgenic mice as described in Materials and Methods. Eight weeks post-transplantation, PBMC were recovered from non-tranplanted mice (black) or GFP+ BM-transplanted mice (green) and subjected to flow cytometric analysis for GFP expressing cells. Figure shows overlayed representative histograms indicating over 95% engraftment of GFP+ cells in the recipient animals. B) FACS analysis of PBMCs from GFP BM-transplanted mice with isotype matched negative control antibodies conjugated to APC or PE.



Supplemental Figure 2. GFP+ multilocular adipocytes express C/EBPα, PPARγ, adiponectin, aP2, perilipin, leptin, and β3AR. A) Immunohistochemical staining for C/EBPα,

PPARγ, adiponectin, aP2, and UCP-1 was conducted as described in Materials and Methods on 5 um sections of paraformaldehyde-fixed omental white or dorsal brown adipose tissue from GFP BM-transplanted mice fed rosiglitazone impregnated diet for 7 weeks. Figure shows representative phase contrast, or fluorescent digital deconvolution photomicrographs. Overlay images show a digital overlay of the phase contrast and fluorescent images. Red bar = 100 um. B) Western blot analysis for perilipin A, leptin and β3AR were preformed on whole cell lysates prepared from stromal/vascular (Strom/Vasc), GFP- and GFP+ adipocytes isolated from ROSI-treated animals. GFP- and + cells were separated by FACS.