



PPAR Research

Special Issue on

**Role of PPARs in the Control of Lipid Metabolism**

# CALL FOR PAPERS

The three peroxisome proliferator-activated receptors (PPARs  $\alpha$ ,  $\delta$  and  $\gamma$ ) are ligand-activated nuclear receptors that have many physiological and pathological functions, including a critical role in lipid homeostasis. PPARs regulate the expression of enzymes, intracellular and intercellular transporters, and other types of proteins involved in a variety of lipids metabolism, such as triglycerides/free fatty acids, cholesterol/bile acids/steroid hormones, sphingoids, prostaglandins, and phospholipids to name a few. In the past fifteen years, more than forty species of PPAR target gene products have been identified to exert their effects during lipid metabolism, and many lipid metabolic pathways have been shown to be potently regulated by PPAR ligands. In addition, alterations in PPAR-dependent signaling pathways are known to change lipid metabolism profiles and are closely associated with several common human lipid disorders. Nevertheless, there remain many hitherto unknown roles of the PPARs in this field that may be useful for developing novel therapeutic agents.

We invite investigators to submit original research and review articles that define the roles of PPARs during the metabolic control of lipids.

Potential topics include, but are not limited to:

- ▶ Xenobiotics causing abnormal lipid metabolism through PPARs
- ▶ PPAR target gene products regulating lipid metabolism
- ▶ Novel lipid metabolic pathways regulated by PPARs
- ▶ Role of PPARs in disease accompanying abnormal lipid metabolism
- ▶ Role of PPARs in organs accumulating excessive triglycerides
- ▶ Xenobiotics reducing excessive triglycerides through PPARs
- ▶ Novel PPAR ligands (activators and inhibitors) that affect lipid metabolism

Authors can submit their manuscripts via the Manuscript Tracking System at <http://mts.hindawi.com/submit/journals/ppar/rppar/>.

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