PPAR Research

Hindawi

Special Issue on

Interplay between PPARs and Sex Steroids Effects

CALL FOR PAPERS

Peroxisome proliferator-activated receptors (PPARs) belong to the ligand inducible nuclear hormone receptor superfamily including three major members: PPAR-α, PPAR-β/δ, and PPAR-γ. Despite several similarities, each PPAR isoform shows specific functions likely due to different biochemical properties, variable tissue distribution, and differential responses to ligands. PPAR transcriptional activity can be modulated through a nongenomic cross-talk with a large number of enzymes modulating the expression of genes involved in various aspects of different metabolic pathways as well as in endocrine functions, the adipogenic process, and carcinogenesis/tumor progression, among others.

In this special issue, we invite researchers to submit original articles and review articles aiming to increase the knowledge regarding the interplay between sex steroids effects/activities and PPARs signaling pathways at different organ levels, in either physiological or pathophysiological conditions through life-span.

Potential topics include but are not limited to the following:

- Sex steroids and PPAR signaling pathway in carcinogenesis
- Androgens, PPARs, and prostate cancer
- Estrogens/progestins, PPARs, and breast cancer
- Sex steroid-PPAR ligand interaction
- Sex steroids, PPARs, and fat distribution
- Involvement of PPARs in sex steroid-modulated adipocyte biology
- Sex steroids, PPARs, and cardiac function/dysfunction
- Sex steroid-PPAR interaction and epigenetic modifications
- Sex steroids and PPARs in obese/metabolic syndrome phenotypes
- Sex steroids and PPARs in inflamed liver
- Sex steroids and PPARs in pulmonary hypertension
- Sex steroid-dependent risk of diabetes and obesity: role of PPARs
- Sexual dimorphic pattern of PPARs' biological effects
- Sex hormones and sex differences in the efficacy of PPARγ agonists
- Role of PPARs in homologous sex steroid-replacement therapies
- Endogenous sex steroid drop-PPAR interaction in aged individuals
- Endogenous sex steroid excess-PPAR interaction in pediatric individuals

Authors can submit their manuscripts through the Manuscript Tracking System at http://mts.hindawi.com/submit/journals/ppar/ibpss/.

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