REVIEWS

Prolactin-releasing peptide: a new tool for obesity treatment
Jaroslav Kuneš, Veronika Pražienková, Andrea Popelová, Barbora Mělčáková, Jana Zemenová & Lenka Maletínská

Positive and negative effects of cellular senescence during female reproductive aging and pregnancy
Michael C. Velez & Ramkumar Menon

RESEARCH

Estrogen deprivation in primate pregnancy leads to insulin resistance in offspring

Thyroid disorders and nitric oxide in cardiovascular adaptation to hypovolemia
Natalia Ogonowski, Giselle Piro, Déborah Pessah, Noelia Arreche, Bernardita Puchulu, Ana M. Balaszczuk & Andrea L. Pallet

Naringin protects cardiomyocytes against hyperglycemia-induced injuries in vitro and in vivo
Qiong You, Zijun Wu, Bin Wu, Chang Liu, Ruina Huang, Li Yang, Runmin Guo, Kang Wu & Jingfu Chen

Corticosteroid-binding globulin is a biomarker of inflammation onset and severity in female rats
Lesley A Hill, Tamara S Bodnar, Joanne Weinberg & Geoffrey L. Hammond

Metformin increases hepatic leptin receptor and decreases steatosis in mice
Xuemel Tang, Jingwen Li, Wei Xiang, Ye Cui, Bin Xie, Xiaodong Wang, Zhui Xu & Liu Gao

Ghrelin regulates cell cycle-related gene expression in cultured hippocampal neural stem cells
Hyunju Chung & Seungpoon Park

Skeletal effects of a gastrin receptor antagonist in H+/K+ATPase beta subunit KO mice

CHRONIC DISEASES

Metformin increases hepatic leptin receptor and decreases steatosis in mice
Xuemel Tang, Jingwen Li, Wei Xiang, Ye Cui, Bin Xie, Xiaodong Wang, Zhui Xu & Liu Gao
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**COVER ART COMPETITION**

The images depict daily leptin bolus partially suppressing marrow adipose tissue expansion during caloric restriction (middle) compared to caloric restriction without leptin (left) and normal diet control (right), as indicated by extent of OsO₄ staining (dark grey).

From Devlin et al. 229 295–306.

Credit: D J Brooks, M L Bouxsein (Beth Israel Deaconess Medical Center, Boston, USA)