FOCUSED REVIEW

Store-operated Ca²⁺ entry: a key component of the insulin secretion machinery
Jessica Sabourin & Florent Allagnat

REVIEW

Disorders of the calcium-sensing receptor and partner proteins: insights into the molecular basis of calcium homeostasis
Fadil M Hannan, Valerie N Babinsky & Rajesh V Thakker

RESEARCH

T₃ enhances Ang2 in rat aorta in myocardial I/R: comparison with left ventricle
Laura Sabatino, Claudia Kusmic, Giuseppina Nicolini, Rosano Amato, Giovanni Casini, Giorgio Iervasi & Silvana Balzan

AMPK-dependent regulation of GLP1 expression in L-like cells
Sushi Jiang, Hening Zhai, Danjie Li, Jiana Huang, Heng Zhang, Ziru Li, Weizhen Zhang & Geyang Xu

Interleukin-6 gene knockout antagonizes high-fat-induced trabecular bone loss
Chunyu Wang, Li Tian, Kun Zhang, Yaxi Chen, Xiang Chen, Ying Xie, Qian Zhao & Xijie Yu

Ghrelin gene products rescue cultured adult rat hippocampal neural stem cells from high glucose insult
Sehee Kim, Chanjang Kim & Seungjoon Park

Progesterone augments cell susceptibility to HIV-1 and HIV-1/HSV-2 co-infections
Viswanath Ragupathy, Wang Yue, Ji Tan, Krishnakumar Devadas, Yamei Gao & Indira Hewlett

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The image depicts models of TH receptor (TR)-mediated regulation of transcription: (top left) positively and negatively regulated genes where TR is recruited to an open chromatin region independently of T3; (bottom left) positively and negatively regulated genes where TR binding to open chromatin is affected by T3; (top right) a positively regulated gene located within a region of inaccessible chromatin containing a strong DR-4 TR binding motif; (bottom right) negative TH-dependent regulation mediated by indirect TR recruitment and as yet unidentified transcription factors. From Astapova R73–R97.

Credit: I Astapova, Beth Israel Deaconess Medical Center and Harvard Medical School, Boston, MA, USA