# Article information:

Integrative analysis of multiomics data identified acetylation as key variable of excessive energy metabolism in hyperthyroidism-induced osteoporosis rats - ScienceDirect
<https://www.sciencedirect.com/science/article/abs/pii/S187439192100350X?via%3Dihub>

# Article summary:

1. Hyperthyroidism-induced osteoporosis rats showed synchronous occurrence of bone loss and excess metabolism.

2. Acetylation of vital metabolism enzymes was found to be highly correlated with excessive energy metabolism in the rats.

3. The interaction between CBP and LDHA may play an important role in excessive glucose metabolism in HYP induced OP rats.

# Article rating:

Appears well balanced: The article presents the information in a reliable and balanced way, without biases and prejudices. The claims made in the article are well supported and, where applicable, all sides of the argument are given opportunity to present their point of view. The article appears trustworthy and reliable.

# Article analysis:

The article is generally reliable and trustworthy, as it provides a detailed overview of the research conducted on hyperthyroidism-induced osteoporosis rats, including methods used, results obtained, and conclusions drawn from the data. The authors have provided sufficient evidence to support their claims, such as the use of mass spectrometry to measure acetylation levels of proteins and the identification of a relationship between CBP and LDHA that may be involved in excessive glucose metabolism in HYP induced OP rats. Furthermore, the authors have acknowledged potential biases or limitations in their study, such as the lack of further investigation into other possible molecular mechanisms involved in hyperthyroidism-induced osteoporosis. Additionally, they have provided a comprehensive list of references for further reading on related topics. In conclusion, this article is reliable and trustworthy due to its thoroughness and attention to detail.

# Topics for further research:

* Hyperthyroidism-induced osteoporosis
* Acetylation of proteins
* CBP and LDHA relationship
* Glucose metabolism in HYP induced OP rats
* Molecular mechanisms of hyperthyroidism-induced osteoporosis
* Osteoporosis treatments and therapies

# Report location:

<https://www.fullpicture.app/item/9ebcb67364939ca505bec88a06600b40>