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Social regulation of human gene expression

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Affiliations

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Abstract

Relationships between genes and social behavior have historically been construed as a one-way street, with genes in control. Recent analyses have challenged this view by discovering broad alterations in the expression of human genes as a function of differing socio-environmental conditions. The emerging field of social genomics has begun to identify the types of genes subject to social regulation, the biological signaling pathways mediating those effects, and the genetic polymorphisms that moderate socio-environmental influences on human gene expression.

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Figures

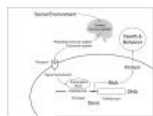


FIGURE 1 Social signal transduction. Socio-environmental

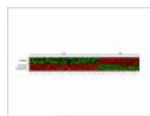


FIGURE 2 Social regulation of gene expression...

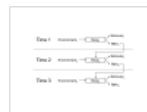


FIGURE 3 RNA as a molecular medium...

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