



27320-Review

 Quotes Excluded
 Bibliography Excluded

 13%
 SIMILAR

 Name of Journal: *World Journal of Psychiatry*

ESPS Manuscript NO: 27320

Manuscript Type: REVIEW

Gene environment interaction in periphery and brain converge to modulate behavioral outcomes: Insights from the SP1 transient early in life interference rat model

Eyal Asor, Dorit Ben-Shachar

Abstract

It is generally assumed that behavior results from an interaction between susceptible genes and environmental stimuli during critical life stages. The present article reviews the main theoretical and practical concepts in the research of gene environment interaction, emphasizing the need for models simulating real life complexity. We review a novel approach to study gene

Match Overview

1	CrossCheck 132 words Asor, Eyal, Shiri Stempler, Avi Avital, Ehud Klein, Eytan Rupp, and Dorit Ben-Shachar. "The role of branched chain	4%
2	CrossCheck 101 words Asor, Eyal, Hila Belhane, Alexandra Kavushansky, Salma n Zubedat, Ehud Klein, Avi Avital, and Dorit Ben-Shachar.	3%
3	CrossCheck 87 words Dorit Ben-Shachar. "Sp1 Expression Is Disrupted in Schizophrenia; A Possible Mechanism for the Abnormal Express...	3%
4	CrossCheck 32 words Ye, Xiaobing, Hong Liu, Yong-Sheng Gong, and Shu Fang Liu. "LPS Down-Regulates Specificity Protein 1 Activity b...	1%
5	CrossCheck 24 words Fox, E., "The Serotonin Transporter Gene Alters Sensitivity to Attention Bias Modification: Evidence for a Plasticity G	1%
6	CrossCheck 18 words "Environmental and Nutritional Diseases", Robbins and Cotran Pathologic Basis of Disease, 2010.	1%

[全部](#)[图片](#)[新闻](#)[视频](#)[更多 ▾](#)[搜索工具](#)

找到约 6,880 条结果 (用时 0.81 秒)

Transcription, Epigenetics and Ameliorative Strategies in Huntington's ...

www.ncbi.nlm.nih.gov > [NCBI](#) > [Literature](#) > [PubMed Central \(PMC\)](#) ▾ [翻译此页](#)

作者: LM Valor - 2015 - 被引用次数: 13 - 相关文章

2014年5月1日 - Transcriptional Dysregulation Is an **Early** and Progressive Event ... Transcriptional Dysregulation Affects Relevant **Genes** for **Brain** Finally, **interference** by mHtt can also occur at the promoter level **Environmental** Enrichment and protein expression in a transgenic **rat model** of Huntington's disease.

Neuropsychopharmacology - Poster Session II-TuesdayTuesday ...

www.nature.com > [Journal home](#) > [Archive](#) > [Abstracts](#) ▾

We selected the complete Freund's adjuvant (CFA) **rat model** of inflammation to **interactions** between **early** social **environment** and BDNF genotype on **brain** ... enrichment on **brain** physiology, inhibitory circuitry and **behavioral outcomes**, and ... from **early life** FGF2 treatment in terms of their oxytocin and vasopressin **gene** ...

Neuropsychopharmacology - Poster Session I - Nature

www.nature.com > [Journal home](#) > [Archive](#) > [Abstracts](#) ▾

2012年12月3日 - Methods: To study the effects of KOR on stress-induced **behaviors**, mice were ... compared in two neurodevelopmental **rat models** of SZ: 1) elevated levels of in **modulating** the reciprocal **interactions** between these systems. **environment** suggest that expression of this immediate **early gene** serves as ...

Download PDF - Springer

link.springer.com/content/pdf/10.1007%2Fs12031-012-9923-1.pdf ▾

2012年12月18日 - The **Brain & Behavior** Research Center, University of Haifa ... Background: Repeated stress is one of the environmental ... **rats** also demonstrated significantly reduced expression of posed risk factors. **early-life** stress is predominantly ever, most of the **gene-environment interaction**

[全部](#)[图片](#)[新闻](#)[视频](#)[更多 ▾](#)[搜索工具](#)

找到约 6,580 条结果 (用时 0.85 秒)

Publications Authored by Dorit Ben-Shachar - PubFacts

www.pubfacts.com/author/Dorit+Ben-Shachar ▾ [翻译此页](#)

Early postnatal **interference** with the expression of multiple **Sp1** regulated genes leads to ... Most of the **gene-environment interaction models** focus on the interaction between the ... Stressors differ in their physiological and **behavioral outcomes** ... in schizophrenia in **brain** and **periphery**, including mitochondrial hypoplasia, ...

Microbiota modulate behavioral and physiological abnormalities - NCBI

www.ncbi.nlm.nih.gov/pubmed/24315484 ▾ [翻译此页](#)

作者: EY Hsiao - 2013 - 被引用次数: 538 - 相关文章

2013年12月5日 - Microbiota **modulate behavioral** and physiological abnormalities ... a gut-microbiome-**brain** connection in a mouse **model** of ASD and identify a ...

Transcription, Epigenetics and Ameliorative Strategies in Huntington's ...

www.ncbi.nlm.nih.gov > NCBI > Literature > PubMed Central (PMC) ▾ [翻译此页](#)

作者: LM Valor - 2015 - 被引用次数: 15 - 相关文章

2014年5月1日 - Transcriptional Dysregulation Is an **Early** and Progressive Event ... Transcriptional Dysregulation Affects Relevant **Genes** for **Brain** ... By a loss of **interaction** with wild-type Htt. The best-known example is ... **Environmental** Enrichment ... protein expression in a transgenic **rat model** of Huntington's disease.

Download PDF - Springer

link.springer.com/content/pdf/10.1007%2Fs12031-012-9923-1.pdf ▾

2012年12月18日 - The **Brain & Behavior** Research Center, University of Haifa ... Background: Repeated stress is one of the environmental ... **rats** also demonstrated significantly reduced expression of ... posed risk factors, **early-life** stress is predominantly ... ever, most of the **gene-environment interaction models** focus.

[全部](#)[图片](#)[新闻](#)[视频](#)[更多 ▾](#)[搜索工具](#)

找到约 6,870 条结果（用时 0.81 秒）

[Microbiota modulate behavioral and physiological abnormalities - NCBI](#)

www.ncbi.nlm.nih.gov/pubmed/24315484 ▾ [翻译此页](#)

作者: EY Hsiao - 2013 - 被引用次数: 552 - 相关文章

2013年12月5日 - Microbiota **modulate behavioral** and physiological abnormalities ... a gut-microbiome-**brain** connection in a mouse **model** of ASD and identify a ...

[Transcription, Epigenetics and Ameliorative Strategies in Huntington's ...](#)

www.ncbi.nlm.nih.gov ▸ [NCBI](#) ▸ [Literature](#) ▸ [PubMed Central \(PMC\)](#) ▾ [翻译此页](#)

作者: LM Valor - 2015 - 被引用次数: 15 - 相关文章

2014年5月1日 - Transcriptional Dysregulation Is an **Early** and Progressive Event ... Transcriptional Dysregulation Affects Relevant **Genes** for **Brain** By a loss of **interaction** with wild-type Htt. The best-known example is **Environmental** Enrichment protein expression in a transgenic **rat model** of Huntington's disease.

[Publications Authored by Dorit Ben-Shachar - PubFacts](#)

www.pubfacts.com/author/Dorit+Ben-Shachar ▾ [翻译此页](#)

Early postnatal **interference** with the expression of multiple **Sp1** regulated genes leads to ... Most of the **gene-environment interaction models** focus on the interaction between the Stressors differ in their physiological and **behavioral outcomes**. ... in schizophrenia in **brain** and **periphery**, including mitochondrial hypoplasia, ...

[Neuropsychopharmacology - Poster Session II-TuesdayTuesday ...](#)

www.nature.com ▸ [Journal home](#) ▸ [Archive](#) ▸ [Abstracts](#) ▾

We selected the complete Freund's adjuvant (CFA) **rat model** of inflammation to assess **Early-life** exposure to traumatic stress may alter key developmental **outcomes** establish **gene-environment interactions** between BDNF and **early** social enrichment on **brain** physiology, inhibitory circuitry and **behavioral outcomes**. ...