9%



21827-Review BY CHI-YU LAI

Name of Journal: World Journal of Psychiatry ESPS Manuscript NO: 21827 Manuscript Type: Review

Biomarkers in schizophrenia: A focus on blood based diagnostics and theranostics

Chi-Yu Lai, Elizabeth Scarr, Madhara Udawela, Ian Everall, Wei J Chen, Brian Dean

Abstract

Identifying biomarkers that can be used as diagnostics or predictors of treatment response (theranostics) in people with schizophrenia (Sz) will be an important step towards being able to provide personalized treatment. Findings from the studies in brain tissue have not yet been translated into biomarkers that are practical in clinical use because brain biopsies are not acceptable and neuroimaging techniques are expensive and the results are inconclusive. Thus, in recent years, there has been search for blood-based biomarkers for Sz as a valid alternative. Although there are some encouraging preliminary data to support the notion of peripheral biomarkers for Sz, it must be acknowledged that Sz is a complex and heterogeneous disorder which needs to be further dissected into subtype using biological based and clinical markers. The scope of this review is to critically examine published blood-based biomarker of Sz, focusing on possible uses for diagnosis, treatment response, or their relationship with schizophrenia-associated phenotype. We sorted the studies into six categories which include i) brain-derived neurotrophic factor (BDNF) ii) inflammation and immune function, iii) neurochemistry, iv) oxidative stress

	District Spring Constitution	SIMILAR	
Mat	ch Overview		
4			
1	CrossCheck 58 words Fernandes, B S, J Steiner, M Berk, M L Molendijk, A Gonz alez-Pinto, C W Turck, P Nardin, and C-A Gonçalves. "Pe	<1%	
2	Internet 53 words crawled on 15-Apr-2014 www.ncbi.nlm.nih.gov	<1%	
3	Internet 47 words crawled on 21-Jan-2014 www.science.gov	<1%	
4	Internet 39 words crawled on 12-Feb-2014 www.biomedcentral.com	<1%	
5	Internet 36 words crawled on 26-Jan-2010 lib.bioinfo.pl	<1%	
6	CrossCheck 34 words I. Elman. "Effects of Acute Metabolic Stress on the Peri eral Vasopressinergic System in Schizophrenia", Journa	<1%	
7	Internet 34 words crawled on 04-Nov-2015 www.tdx.cat	<1%	
8	CrossCheck 33 words S. J. Glatt. "Comparative gene expression analysis of blo od and brain provides concurrent validation of SELENE	<1%	
9	Internet 29 words crawled on 24-May-2014 www.illuminakk.co.jp	<1%	
10	CrossCheck 29 words Yamamori, Hidenaga, Ryota Hashimoto, Yuko Fujita, Sh usuke Numata Yuka Yasuda Michiko Fujimpto, Kazutak	<1%	
	▼ Ø Text-Only	ly Report	



阿页 新闻 图片 购物 视频 更多▼ 搜索工具

找到约 69,500 条结果 (用时 0.65 秒)

Google 学术: Biomarkers in schizophrenia: A focus on blood based diagnostics and theranostics

Biomarkers in schizophrenia: a brief conceptual ... - Weickert - 被引用次数。8

Neuroimmune biomarkers in schizophrenia - Tomasik - 被引用次数。8

MicroRNAs-a new generation molecular targets for ... - Paulmurugan - 被引用次数。11

Biomarker blood tests for diagnosis and management of ...

www,hcnet.usp.br/ipq/revista/vol40/n1/eng/2,htm ▼ 翻译此页

作者: S Bahn - 相关文章

Keywords: Psychiatric disorders, schizophrenia, diagnosis, biomarkers, regulatory authorities. to psychopathology and disease stage with a focus on paranoid schizophrenia ... The history of blood-based biomarkers for psychiatric disorders. 缺少字词: theranostics

Biomarkers in Schizophrenia: A Brief Conceptual ...

www.hindawi.com/journals/dm/2013/510402/ ▼翻译此页 作者: CS Weickert - 2013 - 被引用次数: 7 - 相关文章 2013年4月16日 - Why would we need a diagnostic biomarker for schizophrenia? ... or (3) theranostic (to predict an individual response to a particular therapy). ... for schizophrenia is that while diagnosis can be made based on clinical ... or blood cells [7], most schizophrenia researchers have focused on brain measures.

Neuroimmune biomarkers in schizophrenia | The ... schizophrenia elsevierresource.com/, _/neuroimmune-biomarke... ▼ 翻译此页作者: J Tomasik - 2014 - 被引用次数: 8 - 相关文章

Although currently no validated markers exist for schizophrenia patient ... utilisation of inflammatory markers for diagnostic and theranostic purposes may lead to ...

Biomarkers for Psychiatric Disorders: Where Are We ...

www.ncbi.nlm.nih.gov > ... > PubMed Central (PMC) ▼ 翻译此页

作者: D Martins-de-Souza - 2013 - 被引用次数: 4 - 相关文章

2013年7月21日 - Nevertheless, at the current stage, diagnostic biomarkers do not seem





全部 新闻 图片 视频 更多▼ 搜索工具

找到约 64,600 条结果 (用时 0.63 秒)

Google 学术: Biomarkers in schizophrenia: A focus on blood based diagnostics and theranostics

Biomarkers in schizophrenia: a brief conceptual ... - Weickert - 被引用次数: 13
Neuroimmune biomarkers in schizophrenia - Tomasik - 被引用次数: 12
MicroRNAs-a new generation molecular targets for ... - Paulmurugan - 被引用次数: 12

Biomarkers in Schizophrenia: A Brief Conceptual ...

www,hindawi.com/journals/dm/2013/510402/ ▼翻译此页 作者: CS Weickert、2013、被引用次数: 13、相关文章 2013年4月16日 - Why would we need a diagnostic biomarker for schizophrenia? ... selective and targeted therapeutic strategies based on molecular markers ... or (3) theranostic (to predict an individual response to a particular therapy). ... or blood cells [7], most schizophrenia researchers have focused on brain measures.

Biomarker blood tests for diagnosis and management of ...

www.scielo.br/scielo.php?pid=S0101...script=sci...tlng... ▼ 翻译此页 作者: S Bahn - 2013 - 被引用次数: 5 - 相关文章 2012年12月11日 - To this end, we recently developed a blood-based biomarker test ... and disease stage with a focus on paranoid schizophrenia patients who ... 缺少字词: theranostics

Neuroimmune biomarkers in schizophrenia | The ... schizophrenia.elsevierresource.com/...biomarkers-schizophreni... ▼ 翻译此页

Keywords: Schizophrenia, Immune system, Biomarker, Add-on treatment, ... of inflammatory markers for diagnostic and theranostic purposes may lead to novel studies have focused on cytokine changes in serum of schizophrenia patients and ... It has been shown that blood-based molecular biomarker signatures can be ...

Biomarkers for Psychiatric Disorders: Where Are We ...

www.ncbi.nlm.nih.gov > ... > PubMed Central (PMC) ▼ 翻译此页作者: D Martins-de-Souza - 2013 - 被引用次数: 4 - 相关文章

2013年7月21日 - Furthermore, establishing diagnostic biomarkers at the disease onset



Biomarkers in schizophrenia: A focus on blood based diagnostics and theran



全部 新闻 图片 视频 地图 更多▼ 搜索工具

找到约 65,200 条结果 (用时 0.57 秒)

Google 学术: Biomarkers in schizophrenia: A focus on blood based diagnostics and theranostics

Biomarkers in schizophrenia: a brief conceptual ... - Weickert - 被引用次数: 13

Neuroimmune biomarkers in schizophrenia - Tomasik - 被引用次数: 12

MicroRNAs-a new generation molecular targets for ... - Paulmurugan - 被引用次数: 12

Biomarkers in Schizophrenia: A Brief Conceptual ... www.hindawi.com/journals/dm/2013/510402/▼ 翻译此页

作者: CS Weickert - 2013 - 被引用次数: 13 - 相关文章

2013年4月16日 - Why would we need a diagnostic biomarker for schizophrenia? ... selective and targeted therapeutic strategies based on molecular markers. ... or (3)

theranostic (to predict an individual response to a particular therapy). ... or blood cells [7], most schizophrenia researchers have focused on brain measures.

Biomarker blood tests for diagnosis and management of ...

www.scielo.br/scielo.php?pid=S0101...script=sci...tlng...▼翻译此页作者。S Bahn - 2013 - 被引用次数。5 - 相关文章 2012年12月11日 - To this end, we recently developed a blood-based biomarker test ...

and disease stage with a focus on paranoid schizophrenia patients who ...

缺少字词: theranostics

Neuroimmune biomarkers in schizophrenia | The ... schizophrenia elsevierresource.com/...biomarkers-schizophreni...▼翻译此页

Keywords: Schizophrenia, Immune system, Biomarker, Add-on treatment, ... of inflammatory markers for diagnostic and therapostic purposes may lead to novel