

Name of Journal: *World Journal of Gastroenterology*

Manuscript NO: 38213

Manuscript Type: MINIREVIEWS

Multimics biomarkers for the prediction of nonalcoholic fatty liver disease severity

Carlos J Pirola, Silvia Sookoian

Abstract

This review intends to uncover how information from large-scale genetic profiling (whole genome sequencing - GWAS, and whole exome sequencing - WES) of nonalcoholic fatty liver disease (NAFLD), as well as information from circulating transcriptomics (cell-free miRNAs) and metabolomics, contributes to the understanding of NAFLD pathogenesis. A further aim is to address the question of whether OMICs

Match Overview

1	Crossref 219 words Sookoian, Silvia, and Carlos J Pirola. "Personalizing care for nonalcoholic fatty liver disease patients: what are the	5%
2	Internet 58 words crawled on 27-Apr-2011 www.lifeextensionretail.com	1%
3	Internet 49 words crawled on 29-Mar-2017 www.e-sciencecentral.org	1%
4	Crossref 42 words Silvia Sookoian, Cristian Rohr, Adrián Salatino, Hernán Dopazo et al. "Genetic variation in long noncoding RNAs	1%
5	Internet 33 words crawled on 19-Feb-2017 www.jove.com	1%
6	Crossref 32 words Ghoneim, Ragia H., Emilienne T. Ngo Sock, Jean-Marc Lavoie, and Micheline Piquette-Miller. "Effect of a high-fat	1%
7	Crossref 30 words Ebbers, E.J.. "Controlled racemization of optically active organic compounds: Prospects for asymmetric transform	1%
8	Internet 26 words crawled on 21-Jan-2015 bioseq.cn	1%
9	Crossref 23 words Pirola, Carlos J, and Silvia Sookoian. "The dual and opposite role of the TM6SF2 -rs58542926 Variant in Protecti	1%

[全部](#)[图片](#)[新闻](#)[视频](#)[购物](#)[更多](#)[设置](#)[工具](#)

找到约 22,400 条结果 (用时 0.33 秒)

A multi-component classifier for nonalcoholic fatty liver disease ...

<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC5339694/> [▼ 翻译此页](#)作者: GC Wood - 2017 - 被引用次数: 3 - [相关文章](#)

2017年3月7日 - **Non-alcoholic fatty liver disease** (NAFLD) represents a spectrum of conditions that include steatohepatitis and fibrosis that are thought to emanate from hepatic steatosis. Few robust **biomarkers** or diagnostic tests have been developed for hepatic steatosis in the setting of obesity. We have developed a ...

Multi-omic profiles of human non-alcoholic fatty liver disease tissue ...

<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC4672680/> [▼ 翻译此页](#)作者: W Wruck - 2015 - 被引用次数: 16 - [相关文章](#)

2015年12月8日 - **Non-alcoholic fatty liver disease** (NAFLD) is a consequence of sedentary life style and high fat diets with an estimated prevalence of about 30% in western ... These datasets may help other researchers find new clues for the etiology of NAFLD and the mechanisms underlying its progression to more **severe** ...

[PDF] Noninvasive diagnosis of nonalcoholic fatty liver disease - Annals of ...

www.annalsofhepatology.com/revista/numeros/2009/HP09s5.pdf [▼ 翻译此页](#)作者: RP Myers - 2009 - 被引用次数: 55 - [相关文章](#)

Annals of. Hepatology. Noninvasive diagnosis of **nonalcoholic fatty liver disease**. Robert P. Myers. **Liver** Unit, Division of Gastroenterology, Department of. Medicine, University ... ing these lesions, including the **severity** of hepatic fibro- sis, is **liver** biopsy. identification of **biomarkers for the prediction** of hepatic fibrosis (see ...

[PDF] Mediterranean Diet and Multi-Ingredient-Based Interventions ... - MDPI

www.mdpi.com/2072-6643/9/10/1052/pdf [▼ 翻译此页](#)

作者: M Suárez - 2017 - 被引用次数: 1

2017年9月22日 - Furthermore, the usefulness of **omics** techniques to design effective **multi-ingredient** nutritional interventions and to **predict** and monitor their response against these disorders is also

[全部](#)[新闻](#)[图片](#)[视频](#)[购物](#)[更多](#)[设置](#)[工具](#)

找到约 2,840 条结果 (用时 0.39 秒)

Biomarkers in nonalcoholic fatty liver disease-the emperor has no ...

<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC4363751/> [▼ 翻译此页](#)作者 : MG Sanal - 2015 - 被引用次数 : 22 - [相关文章](#)

2015年3月21日 - Keywords: **Nonalcoholic fatty liver disease**, **Biomarkers**, Fibrosis, Cirrhosis, Steatohepatitis, Liver biopsy The AST-to-platelet ratio index (APRI) was developed as a simple, easy to use method in clinics to **predict**, **severe** fibrosis or cirrhosis in both HCV mono-infected and co-infected (HCV and HIV) ...

缺少字词 : multiomics

Noninvasive biomarkers in non-alcoholic fatty liver disease: Current ...

<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC4138464/> [▼ 翻译此页](#)作者 : E Fitzpatrick - 2014 - 被引用次数 : 75 - [相关文章](#)

2014年8月21日 - Core tip: The search for non invasive **biomarkers** is a major focus of interest in the field of **nonalcoholic fatty liver disease** (NAFLD). Though the diagnosis of NAFLD is still a histological one, the dramatic rise in prevalence and the spectrum of **severity** mean that liver biopsy has become impractical for all.

缺少字词 : multiomics

Comparisons of parallel potential biomarkers of 1H-MRS-measured ...

<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC4832180/> - [翻译此页](#)作者 : KL Shih - 2016 - 被引用次数 : 5 - [相关文章](#)

2016年4月15日 - **Non-alcoholic fatty liver disease** (NAFLD) is the main cause of chronic liver disease. This cross-sectional study aimed to evaluate whether parallel clinical features and serum markers are related to the **severity** of NAFLD. We enrolled 111 participants with different metabolic syndrome (MetS) scores (zero, ...

缺少字词 : multiomics

Multi-omic profiles of human non-alcoholic fatty liver disease tissue ...

www.nature.com > [scientific data](#) > [data descriptors](#) [▼ 翻译此页](#)

找到约 15,300 条结果 (用时 0.53 秒)

Prediction of Nonalcoholic Fatty Liver Disease Via a Novel Panel of ...

<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC4748893/>  翻译此页

作者: R Jamali - 2016 - 被引用次数: 21 - 相关文章

2016年2月8日 - Considering limitations of **liver** biopsy for diagnosis of **nonalcoholic liver disease** (NAFLD), **biomarkers**' panels were proposed. The aims of this study were to establish models based on serum adipokines for discriminating NAFLD from healthy individuals and **nonalcoholic** steatohepatitis (NASH) from ...

缺少字词: **multiomics**

Noninvasive biomarkers in non-alcoholic fatty liver disease: Current ...

<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC4138464/>  翻译此页

作者: E Fitzpatrick - 2014 - 被引用次数: 75 - 相关文章

2014年8月21日 - Core tip: The search for non invasive **biomarkers** is a major focus of interest in the field of **nonalcoholic fatty liver disease** (NAFLD). Though the diagnosis of NAFLD is still a histological one, the dramatic rise in prevalence and the spectrum of **severity** mean that liver biopsy has become impractical for all.

缺少字词: **multiomics**

Biomarkers in nonalcoholic fatty liver disease-the emperor has no ...

<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC4363751/>  翻译此页

作者: MG Sanal - 2015 - 被引用次数: 22 - 相关文章

2015年3月21日 - No wonder that efforts to find a highly specific and sensitive **biomarker** for NAFLD have not become successful. About a quarter of **fatty livers** develop **liver** inflammation [**nonalcoholic** steatohepatitis (NASH)] and over a quarter of NASH patients develop **severe** fibrosis. We need **biomarkers** for the excess **fat** ...

缺少字词: **multiomics**

Multi-omic profiles of human non-alcoholic fatty liver disease ... - Nature

<https://www.nature.com> > Scientific Data > Data Descriptors - 翻译此页

作者: W Wruck - 2015 - 被引用次数: 17 - 相关文章

2015年12月8日 - **Non-alcoholic fatty liver disease** (NAFLD) is a consequence of sedentary life style and