Basic Study

Nuclear magnetic resonance-based metabolomics and metabolic pathway networks from patient-matched esophageal carcinoma, adjacent noncancerous tissues and urine

Liang JH *et al*. NMR-based metabolomics in esophageal carcinoma

Jia-Hao Liang, Yan Lin, Ting Ouyang, Wan Tang, Yao Huang, Wei Ye, Jia-Yun Zhao, Zhe-Ning Wang, Chang-Chun Ma

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1 H NMR-based metabolomics study for identifying urinary biomarkers ...

https://www.ncbi.nlm.nih.gov/pubmed/28042675 - 翻译此页

作者：S Kalantari - 2017 - 被引用次数：3 - 相关文章

2017年3月2日 - 1 H NMR-based metabolomics study for identifying urinary biomarkers and perturbed metabolic pathways associated with severity of IgA nephropathy: a pilot study. ... have been presented non-invasively for use in patient evaluations. ... Male; Metabolic Networks and Pathways*; Metabolomics/methods* ...

缺少字词： ~~matched esophageal carcinoma, adjacent noncancerous tissues~~

Metabolomic biomarkers of prostate cancer: prediction, diagnosis ...

https://www.ncbi.nlm.nih.gov/pmc/articles/PMC4891222/ - 翻译此页

作者：RS Kelly - 2016 - 被引用次数：35 - 相关文章

2016年4月6日 - Keywords: Prostate cancer, Metabolomics, Metabolic profiling, Biomarkers, Sarcosine .... benign tissue, 31P NMR, BPH patients, 8 prostate cancer patients and 13 BPH ... Benign adjacent prostate tissue, and urine/plasma from healthy .... Thus pathway-based methods for analyzing metabolomics data may ...

Nuclear Magnetic Resonance technique in tumor metabolism ...

https://www.sciencedirect.com/science/article/pii/S235230421630071X - 翻译此页

作者：T Li - 2017 - 被引用次数：2 - 相关文章

Tumor metabolism has great discrimination from that of normal tissues. ... and ^{31} P etc. to obtain helpful information about the tumor metabolic pathways.45, 46, ... NMR-based metabolomics has been performed to study a range of different biofluids .... and samples of adjacent mucosa obtained from colorecal cancer patients.

Metabolic Signatures of Lung Cancer in Biofluids: NMR-Based ...

https://pubs.acs.org/doi/abs/10.1021/pr200550p ▾ 翻译此页

作者：CM Rocha - 2011 - 被引用次数：117 - 相关文章

2011年7月12日 - NMR-based metabonomics is applied to investigate the metabolic ... Relatively lower HDL and higher VLDL + LDL in the patients' plasma, ... suspicious cases for subsequent,

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Applications of metabolomics to study cancer metabolism ...
https://www.sciencedirect.com/science/article/pii/S0304419X18300507
Understanding cancer **metabolism** requires systematic application of analytical techniques to assess metabolite levels in biological samples from healthy and diseased **tissues**. **Metabolomics** has emerged as the most powerful platform to recognize **metabolic** anomalies in **urine**, serum or tissue samples [6,7].

Cited by: 10   **Author:** Akash K. Kaushik, Ralph J. DeBerardinis
Publish Year: 2018

NMR and LC/MS-based global metabolomics to identify ...
https://www.researchgate.net/publication/259559868_NMR_and_LCMS-based_global...
NMR and LC/MS-based global **metabolomics** to identify serum biomarkers differentiating hepatocellular **carcinoma** from liver cirrhosis ... information on the **metabolic pathways** at the systems level ...

Application of Metabolomics to Prostate Cancer
https://**www.ncbi.nlm.nih.gov**/pmc/articles/PMC3180907
The prostate has long been known to exhibit unique metabolite profiles. In the last decade, advances in **nuclear magnetic** resonance spectroscopy and mass spectrometry have been applied toward identifying **metabolic** alterations in prostate cancer that may provide clinically useful biomarkers.

A Serum Nuclear Magnetic Resonance-based Metabolomic ...
https://www.researchgate.net/publication/256664821_A_Serum_**Nuclear_Magnetic**_Resonance...
A Serum **Nuclear Magnetic** Resonance-based Metabolomic Signature of Advanced Metastatic Human Breast Cancer. Article in Cancer letters 343(1) · September 2013 with 138 Reads

Prognostic biomarkers for ... - PubMed Central (PMC)
https://**www.ncbi.nlm.nih.gov**/pmc/articles/PMC3964383
Mar 28, 2014 · Core tip: Hepatocellular **carcinoma** (HCC) patients have poor prognosis, largely due to the high incidence of recurrence. There is an urgent need for prognostic biomarkers to stratify patients with higher risk of recurrence to aid in clinical management. This review surveys the use of transcriptomics, proteomics and **metabolomics** in identifying prognostic biomarkers for HCC recurrence.

Cited by: 31   **Author:** Seow Chong Lee, Hwee Tong Tan, Maxey...
Publish Year: 2014

An Overview of Metabolic Phenotyping and Its Role in ...
https://www.sciencedirect.com/science/article/pii/B9780128122938000013
In parallel, both GC-MS and NMR platforms were developed by Iles , Wevers , and Chalmers for spectroscopic profiling of inborn errors of **metabolism** and led to the technology being embedded in

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NMR-based metabolomics. - NCBI

https://www.ncbi.nlm.nih.gov/pubmed/12378948 ▾ 翻译此页

作者：NV Reo - 2002 - 被引用次数：281 - 相关文章

NMR-based metabonomics provides a means to categorize organ-specific toxicity ... of multinuclear NMR to provide metabolic information in cells and tissues will also ... can be used to construct computer network models to describe cellular functions. ... Automated; Risk Assessment; Toxicology/methods*; Xenobiotics/urine* ...

Nuclear magnetic resonance based metabolomics and liver diseases ...

https://www.ncbi.nlm.nih.gov/pmc/articles/PMC4698504/ ▾ 翻译此页

作者：R Amathieu - 2016 - 被引用次数：23 - 相关文章

2016年1月7日 - Keywords: Metabolomics, In vitro nuclear magnetic resonance spectroscopy, Liver diseases, Cirrhosis ... in general metabolic reactions or pathways in biofluid or tissue. .... In a metabolomics model based on ^{1}H NMR spectra of urine they ... with biliary cancer from patients with benign biliary duct diseases.

Use of nuclear magnetic resonance-based metabolomics in detecting ...

https://www.ncbi.nlm.nih.gov/pmc/articles/PMC2756767/ ▾ 翻译此页

作者：AL Merz - 2009 - 被引用次数：33 - 相关文章

Toxicology remains the major focus for NMR-based metabolomics of body fluids. ... easily assessed in urine and/or blood owing to the crucial role of kidney and liver ... As of today, two major metabolic pathways – namely glucose metabolism ... in glioma, and citrate in prostate cancer, based on tissue-specific biochemistry.

1H NMR-based metabolomics reveal overlapping discriminatory ...

https://onlinelibrary.wiley.com/doi/abs/10.1002/ijc.32190 - 翻译此页

作者：Y Lin - 相关文章

2019年2月5日 - ^{1}H NMR-based metabolomics reveal overlapping discriminatory metabolites and metabolic pathway disturbances between colorectal tumor tissues and fecal samples .... and their normal adjacent tissues alongside patient-matched feces ... These changes could indicate the networks for metabolic pathway ...

Short overview on metabolomics approach to study pathophysiology ...

https://www.sciencedirect.com/science/article/pii/S2213231717305451 - 翻译此页