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Bladder cancer exosomes: Getting the message across

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Abstract

Bladder cancer is the seventh most common cancer in men and the seventeenth most common in women. It is also the most expensive cancer to treat over the lifetime of a patient, partially due to the necessity of frequent cystoscopy to monitor for tumor recurrence. There have also been no new developments for the treatment of bladder cancer in the last several decades. Exosomes are small, secreted, membrane-bound vesicles representative of the donor cell. Increasing understanding of the role of

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Feb 19, 2012 ... **Tumor exosomes** are gaining increasing interest in medicine and ... with these particles as "stumbling **across** the particles in their experiments" [10]. of **cancer** , including hepatocellular carcinoma [58], **bladder cancer** [59] and **Exosomes**: endosomal-derived vesicles shipping extracellular **messages**.

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Feb 10, 2015 ... **Exosomes** are 40–100 nm nano-sized vesicles that are released ... Alert **message** which will move **exosomes across** the recipient cells and release ... a **bladder cancer** cell line, a colorectal cancer cell line, and a breast ...

[\[PDF\] **Research Pulse - September 2013 2.indd - Flinders ...**](#)www.flinders.edu.au/neuroscience/ResPulseSep13.pdf - Similar

Coronary Syndrome (ACS) **across** the two countries. The results of Family focus for **bladder cancer** research. Ms Susan Heyes laryngeal **cancer** from blood **exosomes**, \$18,000. is "a key player in **getting the message** to the world that.

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S Rana, S Yue, D Stadel, M Zöller - ... journal of biochemistry & cell biology, 2012 - Elsevier

... Co-immunoprecipitation of exosome lysates from rat tumor lines that differ only with respect to Tspan8 and beta4 revealed ... AP2, adaptor protein 2; AS, BSp73AS (rat pancreatic cancer line); AS-Tspan8, AS cells transfected with Tspan8 cDNA; AS ... Delivery of tailored exosomes. ...

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[HTML] Pancreatic cancer diagnosis by free and exosomal miRNA

M Zöller - World journal of gastrointestinal pathophysiology, 2013 - ncbi.nlm.nih.gov

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[HTML] Recent advances on the role of tumor exosomes in immunosuppression and disease progression

P Filipazzi, M Bürdek, A Villa, L Rivoltini ... - Seminars in cancer ..., 2012 - Elsevier

... have also been found in peripheral blood of patients affected by other types of cancer, including hepatocellular carcinoma [58], bladder cancer [59] and ... In these latter studies a direct link between tumor exosomes and the generation of monocyte-derived MDSC has not been ...

被引用次数: 78 相关文章 所有 5 个版本 引用

[HTML] The Role of Exosomal Cargo in the Regulation of the Biological Complexity of Pancreatic Cancer

FH Sarkar - Pancreatic Disorders & Therapy, 2015 - omicsgroup.org

... These studies have laid the foundations of some novel methodologies in diagnostics against complex cancers especially pancreatic cancer. ... Int J Cancer 136: 2616-2627 ... is incorporated by mesenchymal stromal cells and released in exosomes that inhibit in vitro tumor growth: a ...

引用

MicroRNAs in body fluids—the mix of hormones and biomarkers

MA Cortez, C Bueso-Ramos, J Ferdin ... - Nature reviews Clinical ..., 2011 - nature.com

... in both miRNA genes and miRNA-target genes also increase the predisposition to specific types of cancers. ... to miR-152 and miR-182 to miR-152 indicated the presence of bladder cancer with a ... 71, 109 Therefore, in order to use miRNAs as biomarkers in cancer, it is important to ...

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作者: N Kumari - 2015 - 相关文章

Exosomes are rich sources of biological material (proteins and nucleic acids) secreted by both **tumor** and normal cells, and found in urine of urinary **bladder** can.

Proteomics Analysis of Bladder Cancer Exosomes (PDF ...

www.researchgate.net/.../216173754_Proteomics_Analysis_of_... - 翻译此页

2014年4月23日 - Official Full-Text Publication: Proteomics Analysis of **Bladder Cancer**

Exosomes on ResearchGate, the professional network for scientists.

Urothelial cells undergo epithelial-to-mesenchymal ...

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2015年11月26日 - Urothelial cells undergo epithelial-to-mesenchymal **transition** after exposure to muscle invasive **bladder cancer exosomes** on ResearchGate, ...

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作者: JL Welton - 2010 - 被引用次数: 151 - 相关文章

2010年3月11日 - Proteomics Analysis of **Bladder Cancer Exosomes** An external file that of nuances of density that may differ slightly **across** different cells (Fig..... considerable homology (with HLA proteins **being** an excellent case study).

Study could aid in development of 'liquid biopsy' screening ...

www.sciencedaily.com/releases/2014/01/140121151647.htm ▾ 翻译此页

2014年1月21日 - **Bladder cancer** is the fourth most common non-skin cancer. But there is no ... cancer progresses. **Exosomes** are about 30 to 100 nanometers **across**. ... RNA is a