



## **Publications on Hyb4 Microarray Hybridization System. (2002 – August 2011).**

### **2011.**

#### **[C terminus of \*Clostridium perfringens\* enterotoxin downregulates CLDN4 and sensitizes ovarian cancer cells to Taxol and Carboplatin.](#)**

Zhijian Gao, Xiaoyin Xu, Bruce McClane, Qing Zeng, Babak Litkouhi, William R. Welch, Ross S. Berkowitz, Samuel C. Mok, and Elizabeth I.O. Garner  
*Clinical Cancer Research*, 1 March 2011; 17(5): 1065-1074

#### **[Misacylation of specific nonmethionyl tRNAs by a bacterial methionyl-tRNA synthetase.](#)**

Thomas E. Jones, Rebecca W. Alexander, and Tao Pan  
*PNAS*, 26 April 2011; 108(17): 6933-6938

#### **[Regulation of Cell Division, Biofilm Formation, and Virulence by FlhC in \*Escherichia coli\* O157:H7 Grown on Meat.](#)**

Preeti Sule, Shelley M. Horne, Catherine M. Logue, and Birgit M. Prüß  
*Applied and Environmental Microbiology*, June 2011; 77(11): 3653-3662

#### **[FlhC regulates cell division, biofilm formation and virulence in \*Escherichia coli\* O157:H7 grown on meat.](#)**

Preeti Sule, Shelley M. Horne, Catherine M. Logue, and Birgit M. Prüß  
*Appl. Environ. Microbiology*, 15 April 2011; online publication

### **2010.**

#### **[Genome-wide Analysis of Aminoacylation \(Charging\) Levels of tRNA Using Microarrays](#)**

John Zaborske, Tao Pan  
*J Visualized Experiments*, 18 June 2010; (40). pii: 2007. doi: 10.3791/2007.

#### **[Genome-wide analysis of N<sup>1</sup>-methyl-adenosine modification in human tRNAs](#)**

Mridusmita Saikia, Ye Fu, Mariana Pavon-Eternod, Chuan He and Tao Pan  
*RNA*, July 2010;16(7): 1317-1327.

#### **[Detection and Isolation of Selected Genes of Interest from Metagenomic Libraries by a DNA Microarray Approach.](#)**

Gopal P. Pathak and Wolfgang Gärtner  
*Methods in Molecular Biology*, 2010; 668 (Metagenomics): 299-312

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**[High levels of tRNA abundance and alteration of tRNA charging by bortezomib in multiple myeloma.](#)**

Ying Zhou, Jeffrey M. Goodenbour, Lucy A. Godley, Amittha Wickrema and Tao Pan  
*Biochemical and Biophysical Research Communications*, 24 July 2009; 385(2): 160-164

**[Novel blue light-sensitive proteins from a metagenomic approach.](#)**

G. P. Pathak, A. Ehrenreich, A. Losi, W. R. Streit, W. Gärtner  
*Environmental Microbiology*, September 2009; 11(9): 2388–2399,

**[Innate immune and chemically triggered oxidative stress modifies translational fidelity.](#)**

Nir Netzer, Jeffrey M. Goodenbour, Alexandre David, Kimberly A. Dittmar, Richard B. Jones, Jeffrey R. Schneider, David Boone, Eva M. Eves, Marsha R. Rosner, James S. Gibbs, Alan Embry, Brian Dolan, Suman Das, Heather D. Hickman, Peter Berglund, Jack R. Bennink, Jonathan W. Yewdell & Tao Pan  
*Nature*, 26 November 2009; 462(7272): 522-526.

**[tRNA over-expression in breast cancer and functional consequences.](#)**

Mariana Pavon-Eternod, Suzanna Gomes, Renaud Geslain, Qing Dai, Marsha Rich Rosner, Tao Pan  
*Nucleic Acids Research*, November 2009; 37(21): 7268-7280.

**2008.**

**[Nucleobase characterisation.](#)**

Inventors: Mark Bradley, Juan J. Diaz-Mochon  
*US Patent* Publication number: US 2011/0028337 A1, Publication Date: 3 February 2011;

**[Use of genomic DNA as an indirect reference for identifying gender-associated transcripts in morphologically identical, but chromosomally distinct, \*Schistosoma mansoni\* cercariae.](#)**

Fitzpatrick JM, Protasio AV, McArdle AJ, Williams GA, Johnston DA, Hoffmann KF.  
*PLoS Negl Trop Diseases*, 22 October 2008; 2(10): e323.

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**[Global gene regulation in \*Yersinia enterocolitica\*: effect of FliA on the expression levels of flagellar and plasmid-encoded virulence genes.](#)**

Shelley M. Horne and Birgit M. Prüß  
*Arch Microbiology*, March 2006; 185(2): 115-126

**2005.**

**[Apparatus for substrate handling.](#)**

Inventor: Fredrick, Joseph P.

*EU Patent* Application Number: EP20040254856 A2; Publication Date: 23 February 2005

**[Apparatus for substrate handling.](#)**

Inventor: Fredrick, Joseph P.

*US Patent* Application # US20050042768 A1; Publication Date: 24 February 2005

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Valérie Abécassis, Gilles Truan, Loïc Jaffrelo and Denis Pompon

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**2002.**

**[Identification of \*Schistosoma mansoni\* gender-associated gene transcripts by cDNA microarray profiling.](#)**

Karl F. Hoffmann, David A. Johnston, David W. Dunne

*Genome Biology*, 25 July 2002; 3(8) research 0041: 1-12