

# Ioan Tabus - Publication list

## 1. Articles in journals

- [1] J. Dougherty, I. Tabus and J. Astola. "Inference of Gene Regulatory Networks Based on a Universal Minimum Description Length". *EURASIP Journal of Bioinformatics and Systems Biology*. Article ID 482090, 11 pages, doi:10.1155/2008/482090, 2008.
- [2] G. Korodi and I. Tabus, "Compression of annotated nucleotide sequences" *IEEE/ACM Transactions on Computational Biology and Bioinformatics*, Volume: 4, Issue: 3, pp. 447-457, July-Sept. 2007
- [3] G. Korodi, I. Tabus, J. Rissanen and J. Astola. "DNA sequence compression based on the normalized maximum likelihood model". *IEEE Signal Processing Magazine*, pp. 47-53, January 2007.
- [4] M. Akkiprik, D. Nicorici, D. Codgdell, Y. J. Jia, A. Hategan, I. Tabus, O. Yli-Harja, D. Yu, A. Sahin, W. Zhang. "Dissection of Signaling Pathways in Fourteen Breast Cancer Cell Lines Using Reverse-Phase Protein Lysate Microarray". *Technology in Cancer Research and Treatment*, Vol. 5, Number 6, December 2006.
- [5] I. Tabus, A. Hategan, C. Mircean, J. Rissanen, I. Shmulevich, W. Zhang, J. Astola, "Non-linear modeling of protein expressions in protein arrays", *IEEE Transactions on Signal Processing*, 54:6, 2394–2407, June 2006.
- [6] R. Jiang, C. Mircean, I. Shmulevich, D. Cogdell1, Y. Jia1, I. Tabus, K. Aldape, R. Sawaya, J. Bruner, G. Fuller, W. Zhang. Pathway alterations during glioma progression revealed by reverse phase protein lysate arrays. *Proteomics*, 6, 2964–2971, 2006.
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- [10] C. Mircean, I. Shmulevich, D. Cogdell, W. Choi, Y. Jia, I. Tabus, S.R. Hamilton, W. Zhang. Robust estimation of protein expression ratios with lysate microarray technology. *Bioinformatics*, 21:9, pp. 1935-1942, 2005.
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## 2. Books, book chapters, collections, doctoral theses

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