

## **Personal Information**

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## **Research Areas**

bioinformatics, Computer Learning

## **Published journal articles indexed by SCI, SSCI, and AHCI**

- I. **Noncoding RNA circuitry in melanoma onset, plasticity, and therapeutic response**  
Grafanaki K., Grammatikakis I., Ghosh A., Gopalan V., Olgun G., Liu H., Kyriakopoulos G. C., Skeparnias I., Georgiou S., Stathopoulos C., et al.  
Pharmacology and Therapeutics, vol.248, 2023 (SCI-Expanded)
- II. **miRSCAPE - inferring miRNA expression from scRNA-seq data**  
Olgun G., Gopalan V., Hannenhalli S.  
iScience, vol.25, no.9, 2022 (SCI-Expanded)
- III. **A Path-Based Analysis of Infected Cell Line and COVID-19 Patient Transcriptome Reveals Novel Potential Targets and Drugs Against SARS-CoV-2**  
Agrawal P., Sambaturu N., Olgun G., Hannenhalli S.  
Frontiers in Immunology, vol.13, 2022 (SCI-Expanded)
- IV. **miRCoop: Identifying Cooperating miRNAs via Kernel Based Interaction Tests**  
Olgun G., Tastan O.  
IEEE/ACM Transactions on Computational Biology and Bioinformatics, vol.19, no.3, pp.1760-1771, 2022 (SCI-Expanded)
- V. **NoRCE: non-coding RNA sets cis enrichment tool**  
Olgun G., Nabi A., Tastan O.  
BMC Bioinformatics, vol.22, no.1, 2021 (SCI-Expanded)
- VI. **Discovering lncRNA mediated sponge interactions in breast cancer molecular subtypes**  
Olgun G., Sahin O., Tastan O.  
BMC Genomics, vol.19, no.1, 2018 (SCI-Expanded)
- VII. **Local Object Patterns for the Representation and Classification of Colon Tissue Images**  
Olgun G., SÖKMENSÜER C., GÜNDÜZ DEMİR Ç.  
IEEE JOURNAL OF BIOMEDICAL AND HEALTH INFORMATICS, vol.18, no.4, pp.1390-1396, 2014 (SCI-Expanded)

## **Refereed Congress / Symposium Publications in Proceedings**

**I. Functional Enrichment Analysis of Deregulated Long Non-Coding RNAs in Cancer Based on their Genomic Neighbors**

Olgun G., Tastan O.

11th ACM International Conference on Bioinformatics, Computational Biology and Health Informatics, BCB 2020, Virtual, Online, United States Of America, 21 - 24 September 2020

**II. GRAPH WALKS FOR CLASSIFICATION OF HISTOPATHOLOGICAL IMAGES**

Olgun G., SÖKMENSÜER C., GÜNDÜZ DEMİR Ç.

IEEE 10th International Symposium on Biomedical Imaging - From Nano to Macro (ISBI), San-Francisco, Costa Rica, 7 - 11 April 2013, pp.1126-1129