

Prof. MEHMET VOLKAN ATALAY

Personal Information

Office Phone: [+90 312 210 5576](tel:+903122105576)

Fax Phone: [+90 312 210 5544](tel:+903122105544)

Email: vatalay@metu.edu.tr

Web: <https://avesis.metu.edu.tr/vatalay>

Education Information

Doctorate, Universite Paris 5, Ufr Mathematique Et Informatique, France 1990 - 1993

Postgraduate, Middle East Technical University, Faculty Of Engineering, Elektrik-Elektronik Mühendisliği Bölümü, Turkey 1988 - 1990

Undergraduate, Middle East Technical University, Faculty Of Engineering, Elektrik-Elektronik Mühendisliği Bölümü, Turkey 1983 - 1987

Foreign Languages

English, C2 Mastery

French, C1 Advanced

Dissertations

Doctorate, Reseaux de Neurones Aleatoires et Textures, Universite Paris 5, Ufr Mathematique Et Informatique, 1993

Postgraduate, Image Processing of Ottoman Documents, Middle East Technical University, Faculty of Engineering, Elektrik-Elektronik Mühendisliği Bölümü, 1990

Academic Titles / Tasks

Professor, Middle East Technical University, Faculty Of Engineering, Department Of Computer Engineering, 2005 - Continues

Associate Professor, Virginia Polytechnic Institute and State University, Virginia Bioinformatics Institute, 2004 - 2005

Associate Professor, Middle East Technical University, Faculty Of Engineering, Department Of Computer Engineering, 1998 - 2005

Assistant Professor, Middle East Technical University, Faculty Of Engineering, Department Of Computer Engineering, 1993 - 1998

Lecturer, Middle East Technical University, Faculty Of Engineering, Department Of Computer Engineering, 1993 - 1993

Academic and Administrative Experience

Middle East Technical University, Presidency Office, 2010 - 2016

Middle East Technical University, Presidency Office, 2008 - 2010

Middle East Technical University, Faculty of Engineering, Department of Computer Engineering, 2007 - 2008

Orta Doğu Teknik Üniversitesi, Faculty of Engineering, Department of Computer Engineering, 2001 - 2004

Advising Theses

- ATALAY M. V. , Implementation of crossbar web service for interactive visualizations of biological networks, Postgraduate, A. Atakan(Student), 2020
- Atalay M. V. , Enzyme prediction with word embedding approach, Postgraduate, E. AKIN(Student), 2019
- Atalay M. V. , Multi-view subcellular localization prediction of human proteins, Postgraduate, G. ÖZSARI(Student), 2019
- Atalay M. V. , A customized force-directed layout algorithm with genetic algorithm techniques for biological graphs whose vertices have enzyme commission attributes, Postgraduate, F. AKSOYDAN(Student), 2019
- ATALAY M. V. , Deep learning for prediction of drug-target interaction space and protein functions, Doctorate, A. Süreyya(Student), 2019
- ATALAY R., ATALAY M. V. , Prediction of enzymatic properties of protein sequences based on the enzyme commission nomenclature, Postgraduate, A. DALKIRAN(Student), 2017
- ATALAY M. V. , A customized force-directed layout algorithm for biological graphs whose vertices have enzyme commission attributes, Postgraduate, H. FEHMİ(Student), 2015
- ATALAY R., ATALAY M. V. , An extension to GOPred to annotate Swiss-Prot and TrEMBL sequences for all gene ontology categories and EC numbers, Postgraduate, A. SÜREYYA(Student), 2015
- ATALAY M. V. , Mining microarray data for biologically important gene sets, Doctorate, G. KIRÇIÇEĞİ(Student), 2012
- ATALAY M. V. , Network structure based pathway enrichment system to analyze pathway activities, Doctorate, Z. İŞİK(Student), 2011
- ATALAY M. V. , Automatic reconstruction of photorealistic 3-D building models from satellite and ground-level images, Doctorate, E. SÜMER(Student), 2011
- ATALAY M. V. , Vision-based hand interface systems in human computer interaction, Doctorate, S. GENÇ(Student), 2010
- Atalay M. V. , Vision based Hand Interface Systems in Human Computer Interaction, Doctorate, S. Genç(Student), 2010
- ATALAY M. V. , Prediction of enzyme classes in a hierarchical approach by using SPMAP, Postgraduate, A. GÜL(Student), 2009
- ATALAY M. V. , Automated biological data acquisition and integration using machine learning techniques, Doctorate, L. ÇARKACIOĞLU(Student), 2009
- ATALAY M. V. , Subsequence feature maps for protein function annotation, Doctorate, Ö. SİNAN(Student), 2008
- ATALAY M. V. , Hybrid CDN P2P architecture for multimedia streaming, Doctorate, K. ÖZTOPRAK(Student), 2008
- ATALAY M. V. , A programming framework to implement rule-based target detection in images, Postgraduate, Y. ŞAHİN(Student), 2008
- ATALAY M. V. , Improving interactive classification of satellite image content, Postgraduate, G. TEKKAYA(Student), 2007
- CAN T., ATALAY M. V. , A classification system for the problem of protein subcellular localization, Postgraduate, G. ALAY(Student), 2007
- ATALAY M. V. , A clustering method for the problem of protein subcellular localization, Postgraduate, P. BEZEK(Student), 2006
- ATALAY M. V. , Interactive classification of satellite image content based on query by example, Postgraduate, O. DALAY(Student), 2006
- ATALAY M. V. , Fast object tracking by fusing adaptive background models and mean-shift analysis, Postgraduate, Ö. TÜZEL(Student), 2003
- ATALAY M. V. , Reconstruction of a 3D human head model from images, Doctorate, R. ZARE(Student), 2003
- ATALAY M. V. , Prediction of protein subcellular localization using global protein sequence feature, Postgraduate, B. BOZKURT(Student), 2003
- ATALAY M. V. , Texture classification and retrieval using random neural network model, Postgraduate, A. TEKE(Student), 2003
- ATALAY M. V. , Silhouette-based 3D reconstruction by energy minimization, Postgraduate, E. MENGİ(Student), 2003
- ATALAY M. V. , Prediction of protein subcellular localization based on primary sequence data, Postgraduate, M. ÖZARAR(Student), 2003

ATALAY M. V. , Vision-based human-computer interaction using laser pointer, Postgraduate, İLAYKUT(Student), 2003
ATALAY M. V. , Shortest path analysis in dynamic transportation networks by expert systems: A case study in Ankara, Bahçelievler district by using genetic algorithms, Postgraduate, G.EKE(Student), 2003
ATALAY M. V. , Prediction of protein subcellular localization based on primary sequence data, Postgraduate, M.Özarar(Student), 2003
ATALAY M. V. , Towards finding optimal mixture of subspaces for data classification, Doctorate, M.ELHAFIZ(Student), 2003
ATALAY M. V. , Texture discrimination and segmentation of remotely sensed imagery by using adaptive subband decomposition, Postgraduate, M.YAMAN(Student), 2003
ATALAY M. V. , Image-based extraction of material reflectance properties of a 3D object, Postgraduate, M.ERKUT(Student), 2003
ATALAY M. V. , A Hybrid approach for Turkish optical character recognition, Postgraduate, G.KIRÇIÇEĞİ(Student), 2002
ATALAY M. V. , Cognitive and computational aspects of gender estimation from faces, Postgraduate, M.KORAY(Student), 2002
ATALAY M. V. , Appearance reconstruction of three dimensional models from real images., Postgraduate, U.YILMAZ(Student), 2002
ATALAY M. V. , Comparison of photo-consistency measured used in the voxel coloring algorithm, Postgraduate, O.ÖZÜN(Student), 2002
ATALAY M. V. , Relative consistency of projective reconstructions obtained from an image pair, Postgraduate, B.OTLU(Student), 2002
ATALAY M. V. , HALICI U. , 3 D reconstruction of rigid objects from multiple calibrated views, Doctorate, A.YAŞAR(Student), 2002
ATALAY M. V. , Contextual post processing for Turkish optical character recognition., Postgraduate, S.ULAŞ(Student), 2002
ATALAY M. V. , Image mosaicing, Postgraduate, A.ÖZZEYBEK(Student), 2000
ATALAY M. V. , Segmentation of human face, Postgraduate, S.BASKAN(Student), 2000
ATALAY M. V. , Texture extraction and reconstruction from multiple images, Postgraduate, S.GENÇ(Student), 1999
ATALAY M. V. , Form document identification based on hierarchical tree representation, Postgraduate, P.DUYGULU(Student), 1998
ATALAY M. V. , Two matching algorithms for derial images, Postgraduate, D.ÇULHA(Student), 1998
ATALAY M. V. , An SGML viewer for form document images, Postgraduate, E.ARSLAN(Student), 1998
ATALAY M. V. , A Form document image parser, Postgraduate, E.DİNCEL(Student), 1998
ATALAY M. V. , A New method for road finding in aerial images based on self organization and perceptual grouping principles, Postgraduate, A.YAŞAR(Student), 1996
ATALAY M. V. , A Matching algorithm based linear features, Postgraduate, M.UĞUR(Student), 1996

Jury Memberships

Award, TÜSEB Teşvik Ödülü, Middle East Technical University, October, 2020

Award, TÜSEB Teşvik Ödülü, Middle East Technical University, October, 2020

Articles Published in Journals That Entered SCI, SSCI and AHCI Indexes

- I. **CROssBAR: comprehensive resource of biomedical relations with knowledge graph representations.**
DOĞAN T, Atas H., Joshi V., ATAKAN A., Rifaioglu A. S. , NALBAT E., Nightingale A., Saidi R., Volynkin V., Zellner H., et al.
Nucleic acids research, vol.49, no.16, 2021 (Journal Indexed in SCI Expanded)
- II. **Crowdsourced mapping of unexplored target space of kinase inhibitors**
Cichonska A., Ravikumar B., Allaway R. J. , Wan F., Park S., Isayev O., Li S., Mason M., Lamb A., Tanoli Z., et al.

NATURE COMMUNICATIONS, vol.12, no.1, 2021 (Journal Indexed in SCI)

- III. **MDeePred: Novel multi-channel protein featurization for deep learning-based binding affinity prediction in drug discovery**
Rifaioğlu A., Atalay R. C. , KAHRAMAN D. C. , DOĞAN T., Martin M., ATALAY M. V.
Bioinformatics, vol.37, no.5, pp.693-704, 2021 (Journal Indexed in SCI)
- IV. **Data stream clustering: a review**
Zubaroglu A., Atalay V.
ARTIFICIAL INTELLIGENCE REVIEW, vol.54, no.2, pp.1201-1236, 2021 (Journal Indexed in SCI)
- V. **iBioProVis: interactive visualization and analysis of compound bioactivity space**
Dönmez A., Rifaioğlu A. S. , Acar A. C. , Doğan T., Cetin-Atalay R., Atalay V.
BIOINFORMATICS, vol.36, no.14, pp.4227-4230, 2020 (Journal Indexed in SCI)
- VI. **DEEPScreen: high performance drug-target interaction prediction with convolutional neural networks using 2-D structural compound representations**
RİFAİOĞLU A. S. , NALBAT E., Atalay V., Martin M. J. , Cetin-Atalay R., DOĞAN T.
CHEMICAL SCIENCE, vol.11, no.9, pp.2531-2557, 2020 (Journal Indexed in SCI)
- VII. **The CAFA challenge reports improved protein function prediction and new functional annotations for hundreds of genes through experimental screens**
Zhou N., Jiang Y., Bergquist T., Lee A., Kacsoh B., Crocker A., Lewis K., Georghiou G., Nguyen H., Hamid M., et al.
GENOME BIOLOGY, vol.20, no.1, 2019 (Journal Indexed in SCI)
- VIII. **DEEPred: Automated Protein Function Prediction with Multi-task Feed-forward Deep Neural Networks**
RİFAİOĞLU A. S. , Dogan T., Martin M. J. , Cetin-Atalay R., Atalay V.
SCIENTIFIC REPORTS, vol.9, 2019 (Journal Indexed in SCI)
- IX. **ECPred: a tool for the prediction of the enzymatic functions of protein sequences based on the EC nomenclature**
DALKIRAN A., RİFAİOĞLU A. S. , Martin M. J. , Cetin-Atalay R., ATALAY M. V. , Dogan T.
BMC BIOINFORMATICS, vol.19, 2018 (Journal Indexed in SCI)
- X. **EClerize: A customized force-directed graph drawing algorithm for biological graphs with EC attributes**
Danaci H. F. , Cetin-Atalay R., ATALAY M. V.
JOURNAL OF BIOINFORMATICS AND COMPUTATIONAL BIOLOGY, vol.16, no.4, 2018 (Journal Indexed in SCI)
- XI. **Recent applications of deep learning and machine intelligence on in silico drug discovery: methods, tools and databases.**
Rifaioğlu A. S. , Atas H., Martin M., Cetin-Atalay R., Atalay V., Dogan T.
Briefings in bioinformatics, 2018 (Journal Indexed in SCI)
- XII. **Large-scale automated function prediction of protein sequences and an experimental case study validation on PTEN transcript variants**
RİFAİOĞLU A. S. , Dogan T., Sarac O. S. , ERSAHİN T., Saidi R., ATALAY M. V. , MARTİN M. J. , Cetin-Atalay R.
PROTEINS-STRUCTURE FUNCTION AND BIOINFORMATICS, vol.86, no.2, pp.135-151, 2018 (Journal Indexed in SCI)
- XIII. **HandVR: a hand-gesture-based interface to a video retrieval system**
Genc S., Bastan M., GÜDÜKBAY U., Atalay V., GÜDÜKBAY U.
SIGNAL IMAGE AND VIDEO PROCESSING, vol.9, no.7, pp.1717-1726, 2015 (Journal Indexed in SCI)
- XIV. **Identification of Novel Reference Genes Based on MeSH Categories**
Ersahin T., ÇARKACIOĞLU L., CAN T., Konu O., Atalay V., Cetin-Atalay R.
PLOS ONE, vol.9, no.3, 2014 (Journal Indexed in SCI)
- XV. **A signal transduction score flow algorithm for cyclic cellular pathway analysis, which combines transcriptome and CHIP-seq data**
Isik Z., Ersahin T., Atalay V., AYKANAT C., Cetin-Atalay R.
MOLECULAR BIOSYSTEMS, vol.8, no.12, pp.3224-3231, 2012 (Journal Indexed in SCI)
- XVI. **GOPred: GO Molecular Function Prediction by Combined Classifiers**
Sarac O. S. , Atalay V., Cetin-Atalay R.

- PLOS ONE, vol.5, no.8, 2010 (Journal Indexed in SCI)
- XVII. **Prediction of enzyme classes in a hierarchical approach by using SPMaP**
Yaman A., Atalay V., Atalay R.
NEW BIOTECHNOLOGY, vol.27, 2010 (Journal Indexed in SCI)
- XVIII. **Bi-k-bi clustering: mining large scale gene expression data using two-level biclustering**
Carkacioglu L., Atalay R. C., KONU KARAKAYALI Ö., Atalay V., CAN T.
INTERNATIONAL JOURNAL OF DATA MINING AND BIOINFORMATICS, vol.4, no.6, pp.701-721, 2010 (Journal Indexed in SCI)
- XIX. **Subsequence-based feature map for protein function classification**
Sarac O. S., Guersoy-Yuezueguellue O., Cetin-Atalay R., Atalay V.
COMPUTATIONAL BIOLOGY AND CHEMISTRY, vol.32, no.2, pp.122-130, 2008 (Journal Indexed in SCI)
- XX. **Experimental study on the sensitivity of autocalibration to projective camera model parameters**
Hassanpour R., Atalay V.
OPTICAL ENGINEERING, vol.45, no.4, 2006 (Journal Indexed in SCI)
- XXI. **Implicit motif distribution based hybrid computational kernel for sequence classification**
Atalay V., Cetin-Atalay R.
BIOINFORMATICS, vol.21, no.8, pp.1429-1436, 2005 (Journal Indexed in SCI)
- XXII. **Almost autonomous training of mixtures of principal component analyzers**
Musa M., de Ridder D., Duin R., Atalay V.
PATTERN RECOGNITION LETTERS, vol.25, no.9, pp.1085-1095, 2004 (Journal Indexed in SCI)
- XXIII. **Camera auto-calibration using a sequence of 2D images with small rotations**
Hassanpour R., Atalay V.
PATTERN RECOGNITION LETTERS, vol.25, no.9, pp.989-997, 2004 (Journal Indexed in SCI)
- XXIV. **Vision-based continuous Graffiti (TM)-like text entry system**
Erdem I., Erdem M., Atalay V., Cetin A.
OPTICAL ENGINEERING, vol.43, no.3, pp.553-558, 2004 (Journal Indexed in SCI)
- XXV. **A hierarchical representation of form documents for identification and retrieval**
Duygulu P., Atalay V.
International Journal on Document Analysis and Recognition, vol.5, no.1, pp.17-27, 2003 (Journal Indexed in SCI Expanded)
- XXVI. **Silhouette-based 3-D model reconstruction from multiple images**
Mulayim A., Yilmaz U., Atalay V.
IEEE TRANSACTIONS ON SYSTEMS MAN AND CYBERNETICS PART B-CYBERNETICS, vol.33, no.4, pp.582-591, 2003 (Journal Indexed in SCI)
- XXVII. **Ore-age: a hybrid system for assisting and teaching mining method selection**
Guray C., Celebi N., Atalay V., Pasamehmetoglu A.
EXPERT SYSTEMS WITH APPLICATIONS, vol.24, no.3, pp.261-271, 2003 (Journal Indexed in SCI)
- XXVIII. **Prediction of protein subcellular localization based on primary sequence data**
Ozarar M., Atalay V., Atalay R.
COMPUTER AND INFORMATION SCIENCES - ISIC 2003, vol.2869, pp.611-618, 2003 (Journal Indexed in SCI)
- XXIX. **Texture segmentation using the mixtures of principal component analyzers**
Musa M., Duin R., de Ridder D., Atalay V.
COMPUTER AND INFORMATION SCIENCES - ISIC 2003, vol.2869, pp.505-512, 2003 (Journal Indexed in SCI)
- XXX. **Projection based method for segmentation of human face and its evaluation**
Baskan S., Bulut M., Atalay V.
PATTERN RECOGNITION LETTERS, vol.23, no.14, pp.1623-1629, 2002 (Journal Indexed in SCI)
- XXXI. **Vision-based single-stroke character recognition for wearable computing**
Ozer O., Ozun O., Tuzel C., Atalay V., Cetin A.
IEEE INTELLIGENT SYSTEMS & THEIR APPLICATIONS, vol.16, no.3, pp.33-37, 2001 (Journal Indexed in SCI)
- XXXII. **Matching algorithm based on Godel coding scheme**
Dicle N., Atalay V.

Proceedings of SPIE - The International Society for Optical Engineering, vol.3974, pp.576-583, 2000 (Journal Indexed in SCI)

XXXIII. **Subband domain coding of binary textual images for document archiving**

Gerek O., Cetin A., Tewfik A., Atalay V.

IEEE TRANSACTIONS ON IMAGE PROCESSING, vol.8, no.10, pp.1438-1446, 1999 (Journal Indexed in SCI)

XXXIV. **Repulsive attractive network for baseline extraction on document images**

Oztop E., Mulayim A., Atalay V., Yarman-Vural F.

SIGNAL PROCESSING, vol.75, no.1, pp.1-10, 1999 (Journal Indexed in SCI)

XXXV. **A matching algorithm based on linear features**

Atalay V., Yilmaz M.

PATTERN RECOGNITION LETTERS, vol.19, no.9, pp.857-867, 1998 (Journal Indexed in SCI)

Articles Published in Other Journals

I. **Data Centric Molecular Analysis and Evaluation of Hepatocellular Carcinoma Therapeutics Using Machine Intelligence-Based Tools**

Cetin-Atalay R., Kahraman D. C. , Nalbat E., Rifaioğlu A. S. , Atakan A., Dönmez A., Atas H., Atalay M. V. , Acar A. C. , Doğan T.

JOURNAL OF GASTROINTESTINAL CANCER, vol.52, no.4, pp.1266-1276, 2021 (Journal Indexed in ESCI)

II. **Multi-task Deep Neural Networks in Protein Function Prediction**

RİFAİOĞLU A. S. , doğan t, Martin M. J. , ATALAY R., ATALAY M. V.

arXiv, 2017 (Non-Refreed Journal)

III. **An Image-Based Inexpensive 3D Scanner**

Yilmaz U., Mülayim A. Y. , Atalay V.

International Journal of Image and Graphics, vol.3, no.2, pp.235-263, 2003 (Refreed Journals of Other Institutions)

IV. **Computer vision based mouse**

Erdem A., Erdem E., Yardimci Y., Atalay V., Cetin A. E.

ICASSP, IEEE International Conference on Acoustics, Speech and Signal Processing - Proceedings, vol.4, pp.4178, 2002 (Refreed Journals of Other Institutions)

Books & Book Chapters

I. **Forecasting of Product Quality Through Anomaly Detection**

Dinc M., Ertekin Bolelli Ş., Ozkan H., Meydanli C., Atalay M. V.

in: Machine Learning and Knowledge Discovery in Databases, Cellier P., Driessens K., Editor, Springer-Verlag , Basel, pp.357-366, 2020

Refreed Congress / Symposium Publications in Proceedings

I. **In vitro validation of drug-target interactions revealed in silico by Comprehensive Resource of Biomedical Relations with Network Representations and Deep Learning (CROssBAR) in HCC**

NALBAT E., RİFAİOĞLU A. S. , DOĞAN T., Martin M. J. , Cetin-Atalay R., ATALAY M. V.

AACR Annual Meeting, ELECTR NETWORK, 22 - 24 June 2020, vol.80

II. **Online embedding and clustering of data streams**

Zubaroglu A., Atalay V.

3rd International Conference on Big Data Research, ICBDR 2019, Cergy-Pontoise, France, 20 - 21 November 2019, pp.142-146

- III. **Comparison of predictive models for forecasting timeseries data**
Özen S., Atalay V., YAZICI A.
3rd International Conference on Big Data Research, ICBDR 2019, Cergy-Pontoise, France, 20 - 21 November 2019, pp.172-176
- IV. **Forecasting of Product Quality Through Anomaly Detection** Mehmet Dinç,
Dinc M., ERTEKİN BOLELLİ Ş., Ozkan H., Meydanli C., ATALAY M. V.
2nd International Conference on Digital Transformation and Smart Systems, Ankara, Turkey, 23 - 25 October 2019
- V. **Receptor-Ligand Binding Affinity Prediction via Multi-Channel Deep Chemogenomic Modeling**
Atalay M. V. , Rifaioğlu A. S. , Atalay R., Doğan T., Martin M.
The International Symposium on Health Informatics and Bioinformatics (HIBIT 2019), İzmir, Turkey, 17 - 18 October 2019
- VI. **Forecasting of Product Quality Through Anomaly Detection**
Dinc M., ERTEKİN BOLELLİ Ş., Ozkan H., Meydanli C., ATALAY M. V.
ECML/PKDD 2019 Workshop on Io Stream for Data Driven Predictive Maintenance, Würzburg, Germany, 16 September 2019
- VII. **iBioProVis: Interactive Visualization and Analysis of Compound Bioactivity Space**
Dönmez A., RİFAİOĞLU A. S. , ACAR A. C. , DOĞAN T., Martin M. J. , ATALAY R., ATALAY M. V.
27th Conference on Intelligent Systems for Molecular Biology and 18th European Conference on Computational Biology, Basel, Switzerland, 21 - 25 July 2019
- VIII. **CROssBAR: Comprehensive Resource of Biomedical Relations with Network Representations and Deep Learning”, Oral presentation**
Atalay M. V. , Doğan T., Atalay R., Nalbat E., Rifaioğlu A. S. , Ataş H., Martin M.
27th Conference on Intelligent Systems for Molecular Biology and 18th European Conference on Computational Biology, Basel, Switzerland, 21 - 25 July 2019
- IX. **Drug-Target Interaction Prediction with Deep Convolutional Neural Networks Using Compound Images**
RİFAİOĞLU A. S. , ATALAY M. V. , Martin M. J. , ATALAY R., Doğan T.
26th Conference on Intelligent Systems for Molecular Biology, Chicago, United States Of America, 6 - 10 July 2018
- X. **Automated Negative Gene Ontology Based Functional Predictions for Proteins with UniGOPred**
Doğan T., RİFAİOĞLU A. S. , Saidi R., Martin M. J. , ATALAY M. V. , ATALAY R.
26th Conference on Intelligent Systems for Molecular Biology, Chicago, United States Of America, 6 - 10 July 2018
- XI. **Investigation of Multi-task Deep Neural Networks in Automated Protein Function Prediction**
RİFAİOĞLU A. S. , Martin M. J. , ATALAY R., ATALAY M. V. , Doğan T.
ISMB/ECCB 2017: 25th Annual International Conference on Intelligent Systems for Molecular Biology, Prag, Czech Republic, 21 - 25 July 2017
- XII. **Prediction of Enzymatic Properties of Protein Sequences Based on the EC Nomenclature**
DALKIRAN A., Doğan T., RİFAİOĞLU A. S. , ATALAY M. V. , Martin M. J. , ATALAY R.
ISMB/ECCB 2017: 25th Annual International Conference on Intelligent Systems for Molecular Biology, Prag, Czech Republic, 21 - 25 July 2017
- XIII. **Prediction of Enzymatic Properties of Protein Sequences Based on the EC Nomenclature**
DALKIRAN A., RİFAİOĞLU A. S. , Doğan T., ATALAY M. V. , Martin M. J. , ATALAY R.
10th The International Symposium on Health Informatics and Bioinformatics (HIBIT 2017), Kalkanlı, Cyprus (Kkct), 28 - 30 June 2017, pp.37
- XIV. **Investigation of Multitask Deep Neural Networks for Protein Function Prediction**
RİFAİOĞLU A. S. , Martin M. J. , ATALAY R., ATALAY M. V. , Doğan T.
10th The International Symposium on Health Informatics and Bioinformatics (HIBIT 2017), Erdemli, Cyprus (Kkct), 28 - 30 June 2017
- XV. **ECPred: An Automated Enzymatic Function Prediction Tool Based on Combination of Different Classifiers**
DALKIRAN A., RİFAİOĞLU A. S. , Doğan T., ATALAY M. V. , Martin M. J. , ATALAY R.
GLBIO 2017: Great Lakes Bioinformatics Conference, May 15-17, Şikago, United States Of America, 15 - 17 May

2017

- XVI. **ECLerize: A Customized Force-Directed Layout Algorithm for Biological Networks with EC Attributes**
Danacı H. F. , ATALAY R., ATALAY M. V.
GLBIO 2017: Great Lakes Bioinformatics Conference, Şikago, United States Of America, 15 - 17 May 2017
- XVII. **UniGOPred: A Large Scale Automated GO Term Annotation System for UniProtKB**
RİFAİOĞLU A. S. , Doğan T., SARAÇ Ö. S. , Saidi R., ATALAY M. V. , Martin M. J. , ATALAY R.
GLBIO 2017: Great Lakes Bioinformatics Conference, Şikago, United States Of America, 15 - 17 May 2017
- XVIII. **UniGOPred and ECPred Automated Function Prediction Tools Based on A Combination of Different Classifiers**
Rifaioğlu A., Dogan T., SARAÇ Ö. S. , ATALAY M. V. , Martin M., ATALAY R.
ISMB Automated FunctionPrediction-SIG, 11 July 2015
- XIX. **Discriminative Modeling of Cell Signaling as Bayesian Networks**
Yaman A. G. , ACAR A. F. , Atalay V., Cetin-Atalay R.
2nd International Work-Conference on Bioinformatics and Biomedical Engineering (IWBBIO), Granada, Nicaragua, 7 - 09 April 2014, pp.1617
- XX. **Genetic variants within endotoxin signaling pathway association with asthma and atopy phenotypes**
ŞAHİNER Ü. M. , YAVUZ S., Buyuktiryaki B., BİR BEN E., Topaloglu E., TUNCER A., Yaman A., Atalay R., Atalay V., Sackesen C., et al.
31st Congress of the European-Academy-of-Allergy-and-Clinical-Immunology (EAACI), Geneva, Switzerland, 16 - 20 June 2012, vol.67, pp.469
- XXI. **Single nucleotide polymorphisms in the endotoxin signaling pathway and their relationship with in vitro IgE synthesis**
ŞAHİNER Ü. M. , YAVUZ S., Buyuktiryaki B., BİR BEN E., Topaloglu E., Yaman A., TUNCER A., Atalay R., Atalay V., Sackesen C., et al.
31st Congress of the European-Academy-of-Allergy-and-Clinical-Immunology (EAACI), Geneva, Switzerland, 16 - 20 June 2012, vol.67, pp.467-468
- XXII. **Association of asthma with polymorphisms in the endotoxin signaling pathway**
ŞAHİNER Ü. M. , YAVUZ S., Buyuktiryaki B., BİR BEN E., Topaloglu E., TUNCER A., Yaman A., Atalay R., Atalay V., Sackesen C., et al.
31st Congress of the European-Academy-of-Allergy-and-Clinical-Immunology (EAACI), Geneva, Switzerland, 16 - 20 June 2012, vol.67, pp.469-470
- XXIII. **Genetic variants within the endotoxin signaling pathway and asthma: an association study**
ŞAHİNER Ü. M. , YAVUZ S., Buyuktiryaki B., BİR BEN E., Topaloglu E., TUNCER A., Yaman A., Atalay R., Atalay V., Sackesen C., et al.
30th Congress of the European-Academy-of-Allergy-and-Clinical-Immunology (EAACI), İstanbul, Turkey, 11 - 15 June 2011, vol.66, pp.60
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