

## Prof. RENGÜL ATALAY

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Publons / Web Of Science ResearcherID: 0-9826-2014

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### Education Information

Doctorate, Université Paris-Sud: Paris XI, Biologie Moleculaire Et Biochimie, France 1994 - 1997

Postgraduate, Université Paris-Sud: Paris XI, Systemes-Biologiques-Integres, France 1993 - 1994

Undergraduate, Hacettepe University, Tıp Fakültesi, Tıp Pr., Turkey 1985 - 1992

### Research Areas

Health Sciences, Pharmacology and Therapeutics, Basic Pharmaceutics Sciences, Basic Sciences, Life Sciences, Bioinformatics, Biological Information, Biological Modelling, Biological Databases, Molecular Biology and Genetics, Genetic Disorders, Genomics, Molecular Biology of Cancer, Protein Engineering

### Advising Theses

ATALAY R., EFFECTS OF PI3K/AKT/mTOR AND VEGFR PATHWAY INHIBITORS ON LIVER CANCER STEM CELLS AND BIOACTIVITIES OF NOVEL PYRAZOLIC CHALCONE DERIVATIVES ON LIVER CANCER, Doctorate, D.CANSEN(Student), 2018

ATALAY M. V., ATALAY R., Prediction of enzymatic properties of protein sequences based on the enzyme commission nomenclature, Postgraduate, A.DALKIRAN(Student), 2017

ATALAY R., Mapping and analysis of human disease network map (diseasome) on mouse genotype & phenotype data, Postgraduate, S.NİLAY(Student), 2017

ATALAY R., DOĞAN T., Mapping and analysis of human disease network map (diseasome) on mouse genotype & phenotype network, Postgraduate, S.Nilay(Student), 2017

ATALAY R., ACAR A. C., Identification of gene mutations involved in drug resistance in liver cancer using RNA-Seq data analysis, Postgraduate, M.SHOJAEI(Student), 2016

ATALAY M. V., ATALAY R., 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 R., Discovery of novel agents for liver cancer therapeutics and characterization of their bioactivities on cellular pathways, Doctorate, İ.DURMAZ(Student), 2015

ATALAY R., Systems biology approach for targeted therapy of liver cancer pi3k/akt/mTOR pathway inhibitors: an ally or rival for sorafenib, Doctorate, T.ERŞAHİN(Student), 2014

ATALAY R., Reactivation of telomerase reverse transcriptase gene in liver cancer, Doctorate, D.ÇEVİK(Student), 2014  
ATALAY R., Molecular analysis of senescence-associated protein phosphatases DUSP10 and MTMR11, Postgraduate, S.PELİN(Student), 2009

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

- I. **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 (SCI-Expanded)
- II. **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 (SCI-Expanded)
- III. **Design, Synthesis and In Vitro Cytotoxic Activity of New 6,9-Disubstituted Purine Analogues**  
Kucukdumlu A., TUNÇBİLEK M., GÜVEN E. B., ATALAY R.  
ACTA CHIMICA SLOVENICA, vol.67, no.1, pp.70-82, 2020 (SCI-Expanded)
- IV. **A visual object tracking benchmark for cell motility in time-lapse imaging**  
Demir H. S., Cetin A. E., ATALAY R.  
SIGNAL IMAGE AND VIDEO PROCESSING, vol.13, no.6, pp.1063-1070, 2019 (SCI-Expanded)
- V. **Synthesis and Cytotoxicity Studies on Novel Piperazinylacetamides**  
Bobtaina E., GÜRDAL HAKGÖR E. E., Durmaz I., Atalay R. C., YARIM YÜKSEL M.  
LETTERS IN DRUG DESIGN & DISCOVERY, vol.16, no.1, pp.45-51, 2019 (SCI-Expanded)
- VI. **Synthesis and cellular bioactivities of novel isoxazole derivatives incorporating an arylpiperazine moiety as anticancer agents.**  
ÇALIŞKAN B., Sinoplu E., Ibis K., Guzelcan E. A., Atalay R. C., BANOĞLU E.  
Journal of enzyme inhibition and medicinal chemistry, vol.33, no.1, pp.1352-1361, 2018 (SCI-Expanded)
- VII. **Development of a novel zebrafish xenograft model in ache mutants using liver cancer cell lines**  
Avci M. E., Keskus A. G., Targen S., Isilak M. E., Ozturk M., Atalay R. C., ADAMS M., KONU KARAKAYALI Ö.  
SCIENTIFIC REPORTS, vol.8, 2018 (SCI-Expanded)
- VIII. **Synthesis and biological evaluation of novel pyrazolic chalcone derivatives as novel hepatocellular carcinoma therapeutics.**  
Hawash M. M. A., Kahraman D. C., Eren F., Atalay R. C., BAYTAŞ S.  
European journal of medicinal chemistry, vol.129, pp.12-26, 2017 (SCI-Expanded)
- IX. **Synthesis of Some Substituted 6-Phenyl Purine Analogues and Their Biological Evaluation as Cytotoxic Agents**  
Kucukdumlu A., Tuncbilek M., Guven E. B., Atalay R.  
ACTA CHIMICA SLOVENICA, vol.64, no.3, pp.621-632, 2017 (SCI-Expanded)
- X. **Bioactivities of novel boehmeriasin derivatives in liver cancer cells**  
Guzelcan E. A., Baumann M., Baxendale I., ATALAY R.  
EUROPEAN JOURNAL OF CANCER, vol.61, 2016 (SCI-Expanded)
- XI. **Sequential treatment of HCC cells with PI3K/Akt/mTOR pathway inhibitors prior to sorafenib attenuates cancer stem cell population**  
Kahraman D. C., Kahraman T., ATALAY R.  
EUROPEAN JOURNAL OF CANCER, vol.61, 2016 (SCI-Expanded)
- XII. **Synthesis of novel diflunisal hydrazide hydrazones as anti-hepatitis C virus agents and hepatocellular carcinoma inhibitors**  
ŞENKARDEŞ S., Kaushik-Basu N., Durmaz I., Manvar D., Basu A., ATALAY R., KÜÇÜKGÜZEL Ş. G.  
EUROPEAN JOURNAL OF MEDICINAL CHEMISTRY, vol.108, pp.301-308, 2016 (SCI-Expanded)
- XIII. **PATZ1 Is a DNA Damage-Responsive Transcription Factor That Inhibits p53 Function**  
Keskin N., Deniz E., Eryilmaz J., Un M., Batur T., Ersahin T., Atalay R. C., Sakaguchi S., Ellmeier W., ERMAN M. B.

MOLECULAR AND CELLULAR BIOLOGY, vol.35, no.10, pp.1741-1753, 2015 (SCI-Expanded)

- XIV. **Prediction of enzyme classes in a hierarchical approach by using SPMaP**  
Yaman A., Atalay V., Atalay R.  
NEW BIOTECHNOLOGY, vol.27, 2010 (SCI-Expanded)
- XV. **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 (SCI-Expanded)
- XVI. **Prediction of protein subcellular localization based on primary sequence data**  
Ozarar M., Atalay V., Atalay R.  
COMPUTER AND INFORMATION SCIENCES - ISCIS 2003, vol.2869, pp.611-618, 2003 (SCI-Expanded)

## Articles Published in Other Journals

- I. **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 Peer-Reviewed Journal)

## Books & Book Chapters

- I. **Chapter 5 - Cardiac Glycosides and Oxidative Stress in Liver Cancer**  
ATALAY R., Durmaz i.  
in: The Liver, Vinood B. Patel, Editor, Academic Press , Londrina, pp.55-61, 2019
- II. **Molecular Biology of Liver Cancer**  
Tulin E., ÖZTÜRK M., ATALAY R.  
in: Reviews in Cell Biology and Molecular Medicine, Robert A. Meyers, Editor, John Wiley and Sons, Inc., pp.206-243, 2015

## Refereed Congress / Symposium Publications in Proceedings

- I. **Synthesis of New Vicinal Diaryl Five-Membered Heterocyclic Compounds with Potential Anticancer Activity**  
TURANLI S., LINGERLI D., ÇALIŞKAN B., AKHAN GÜZELCAN E., NALBAT E., ATALAY R., BANOĞLU E.  
8th International Drug Chemistry Conference, 27 February - 01 March 2020
- II. **A NEW THIADIAZINE DERIVATIVE INDUCES OXIDATIVE STRESS DEPENDENT CELL DEATH IN HEPATOCELLULAR CARCINOMA STEM CELLS**  
KAHRAMAN D. C., GÜVEN E. B., Aytac P., TOZKOPARAN KÖPRÜCÜ B., ATALAY R.  
Annual Meeting of the American-Association-for-the-Study-of-Liver-Diseases (AASLD) / Liver Meeting, Massachusetts, United States Of America, 8 - 12 November 2019, vol.70
- III. **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
- IV. **A new thiadiazine derivative induces oxidative stress dependent JNK pathway activation and cell death in hepatocellular carcinoma**  
KAHRAMAN D. C., GÜVEN E. B., TOZKOPARAN KÖPRÜCÜ B., ATALAY R.  
Annual Meeting of the American-Association-for-Cancer-Research (AACR), Georgia, United States Of America, 29 March - 03 April 2019, vol.79

- V. **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
- VI. **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
- VII. **SYNTHESIS AND ANTIPROLIFERATIVE EVALUATION OF NOVEL ISOXAZOLE-PIPERAZINE HYBRIDS**  
ÇALIŞKAN B., Sinoplu E., İbiş K., AKHAN GÜZELCAN E., ATALAY R., BANOĞLU E.  
RICT 2018, 4 - 06 July 2018
- VIII. **SYNTHESIS, CYTOTOXICITY AND STRUCTURE-ACTIVITY RELATIONSHIPS OF NOVEL ISOXAZOLE DERIVATIVES AS ANTICANCER AGENTS**  
İbiş K., ÇALIŞKAN B., AKHAN GÜZELCAN E., Sinoplu E., ATALAY R., BANOĞLU E.  
RICT 2018, 4 - 06 July 2018
- IX. **Differential alteration of IL-8 in liver cancer stem cell enrichment in response to PI3K/Akt/mTOR inhibitors and sorafenib**  
Kahraman D. C., Kahraman T., ATALAY R.  
American Association for Cancer Research Annual Meeting 2018, Chicago, United States Of America, 12 - 18 April 2018, vol.78, pp.3937
- X. **Diet affects gut microbiota and modulates hospitalization risk differentially in an international cirrhosis cohort**  
Bajaj J. S., İDİLMAN R., Mabudian L., Hood M., Fagan A., Turan D., Karakaya F., White M., Gavis E., Heuman D., et al.  
International Liver Congress (ILC), Paris, France, 11 - 15 April 2018, vol.68
- XI. **Erken evre meme kanserinde Prosigna Testinin Klinik Karara Yansımaları-Tek Merkezli Prospektif Kohort Çalışması**  
ESİN E., ÇAKMAK ÖKSÜZOĞLU Ö. B., Markoç F., Bilgetekin İ., DEMİRCİ U., ATALAY R.  
UKK 2018, Turkey, 21 - 25 March 2018
- XII. **Classification of Hematoxylin and Eosin Images Using Local Binary Patterns and 1-D SIFT Algorithm†**  
OGUZ O., ÇETİN A. E., ATALAY R.  
International Workshop on Computational Intelligence for Multimedia Understanding (IWCIM), KOS, Greece, 02 September 2017, vol.2, pp.94-97
- XIII. **Abstract LB-A08: Differential alteration of IL-8 in response to Sorafenib and PI3K/Akt/mTOR inhibitors in liver cancer cells and in liver cancer stem cells**  
Kahraman D. C., ATALAY R.  
AACR-NCI-EORTC International Conference, Philadelphia, 26 - 30 October 2017
- XIV. **HEPATOCELLULAR CARCINOMA THERAPEUTICS: SYNTHESIS AND BIOLOGICAL EVALUATION INDOLE-3-CARBOXAMIDES**  
Kılıç E. K., Kahraman D. C., ATALAY R., BAYTAŞ S.  
2nd International Gazi Pharma Symposium, 11 - 13 October 2017
- XV. **ANTICANCER EFFECTS OF NEW INDOLE -PYRAZOLE AND ONDOLE-OSOXAZOLE HYBRIDS DESIGN, SYNTHESIS AND EVALUATION OF ACTIVITY**  
Hawash M. M., Kahraman D. C., ATALAY R., BAYTAŞ S.  
2nd International Gazi Pharma Symposium, 11 - 13 October 2017
- XVI. **Synthesis and In Vitro Anticancer Activity of Novel 6,8,9-Trisubstituted Purine Analogs**  
POLAT M. F., TUNÇBİLEK M., DURMAZ İ., ATALAY R.  
3rd International Multidisciplinary Symposium on Drug Research and Development - DRD 2017, Erzurum, Turkey, 5 - 07 October 2017
- XVII. **Induction of Apoptosis in Hepatocellular Carcinoma Cell Lines by Novel Indolylacrylamide Derivatives: Synthesis and Biological Evaluation**  
Hawash M., Kahraman D. C., ATALAY R., BAYTAŞ S.  
26th ISHC Congress on Heterocyclic Chemistry, 3 - 08 September 2017

- XVIII. **Gene mutations involved in drug resistance in liver cancer cells using a new rna-seq data analysis workflow**  
Guzelcan E. A., Shojaei M., ACAR A. F., ATALAY R.  
42nd European-Society-for-Medical-Oncology Congress (ESMO), Madrid, Spain, 8 - 12 September 2017, vol.28
- XIX. **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
- XX. **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
- XXI. **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 (Kktc), 28 - 30 June 2017
- XXII. **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 (Kktc), 28 - 30 June 2017, pp.37
- XXIII. **Identification of Gene Mutations Involved in Drug Resistance in Liver Cancer Using Rna-Seq Data Analysis**  
Shojaei M., Akhan E., ACAR A. C., ATALAY R.  
The International Symposium on Health Informatics and Bioinformatics, (HIBIT), 28 - 30 June 2017
- XXIV. **Network-Based Discovery of Drug Treatments in Hepatocellular Carcinoma**  
FAYETORBAY R., ATALAY R., TUNÇBAĞ N.  
HIBIT 2017, 28 - 30 June 2017
- XXV. **Synthesis, Anticancer Activity and Docking Studies of New Phenylaminopyrimidine Derivatives**  
DEMİRCİ A., DURMAZ İ., ATALAY R., KÜÇÜKGÜZEL İ.  
10th Joint Meeting on Medicinal Chemistry, 25 - 28 June 2017
- XXVI. **Cancer Drug Discovery: Targeting PI3K/AKT/mTOR Cell Survival Pathway**  
ATALAY R.  
European Bioinformatics Institute (EMBL-EBI) - Shared Facilities, Cambridge, Canada, 13 June 2017
- XXVII. **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
- XXVIII. **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
- XXIX. **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
- XXX. **Dielectrophoretic Spectra of CD133+/EpCAM+ HUH7 Cancer Stem Cells and HUH7 Cancer Cells**  
Çağlayan Z., Demircan Yalçın Y., Özkayar G., Kahraman D. C., Atalay R., Özgür E., Külâh H.  
Dielectrophoresis 2016, Massachusetts, United States Of America, 13 - 15 July 2016, pp.1-4
- XXXI. **Bioactivities of novel boehmeriasin derivatives in liver cancer cells**  
Akhan Guzelcan E., Bauman M., Baxendale I., ATALAY R.  
EACR 27, 1 - 04 July 2016, vol.61, pp.133
- XXXII. **Sequential treatment of HCC cells with PI3K Akt mTOR pathway inhibitors prior to sorafenib**

**attenuates cancer stem cell population**

Kahraman D. C., Kahraman T., ATALAY R.

EACR 27, 1 - 04 July 2016, vol.61, pp.77

- XXXIII. **Mixture of Learners for Cancer Stem Cell Detection Using CD13 and H&E Stained Images**  
OĞUZ O., Akbas C. E., Mallah M., TAŞDEMİR K., Guzelcan E. A., Muenzenmayer C., Wittenberg T., ÜNER A., ÇETİN A. E., Atalay R. C.  
Conference on Medical Imaging - Digital Pathology, California, United States Of America, 2 - 03 March 2016, vol.9791
- XXXIV. **DETECTION OF CANCER STEM CELLS IN MICROSCOPIC IMAGES BY USING REGION COVARIANCE AND CODIFFERENCE METHOD**  
Oguz O., Muenzenmayer C., Wittenberg T., ÜNER A., ÇETİN A. E., Atalay R. C.  
International Workshop on Computational Intelligence for Multimedia Understanding (IWCIM), PRAGUE, Czech Republic, 29 - 30 October 2015
- XXXV. **MULTI-RESOLUTION SUPER-PIXELS AND THEIR APPLICATIONS ON FLUORESCENT MESENCHYMAL STEM CELLS IMAGES USING 1-D SIFT MERGING**  
Yorulmaz O., Oguz O., Akhan E., TUNCEL D., ATALAY R., ÇETİN A. E.  
IEEE International Conference on Image Processing (ICIP), Quebec City, Canada, 27 - 30 September 2015, pp.2495-2499
- XXXVI. **Computational drug target prediction and validation in PI3K AKT pathway**  
Dogan T., Ersahin T., Rifaioglu A., Diago P., Nightingale A., Martin M. J., ATALAY R.  
ISMB/ECCB 2015 Dublin, Dublin, Ireland, 10 - 14 July 2015
- XXXVII. **UniGOPred and ECPred Automated Function Prediction Tools Based on A Combination of Different Classifiers**  
Rifaioglu A., Dogan T., SARAÇ Ö. S., ATALAY M. V., Martin M., ATALAY R.  
ISMB Automated FunctionPrediction-SIG, 11 July 2015
- XXXVIII. **Synergistic antitumor activity of sorafenib and Akt Inhibitors**  
Tulin E., Durmaz I., ATALAY R.  
EACR-AACR-SIC 2015, 20 - 23 June 2015
- XXXIX. **Cardiac Glycosides induce cell death in drug resistant PTEN 470 de cient liver cancer cells**  
Durmaz I., Ebru Bilget G., Ersahin T., ÖZTÜRK M., ÇALIŞ İ., ATALAY R.  
EACR-AACR-SIC 2015, 20 - 23 June 2015
- XL. **Wavelet Merged Multi-resolution Super-pixels and Their Applications on Fluorescent MSC Images**  
Yorulmaz O., Oguz O., Akhan E., TUNCEL D., ATALAY R., ÇETİN A. E.  
23rd Signal Processing and Communications Applications Conference (SIU), Malatya, Turkey, 16 - 19 May 2015, pp.1901-1904
- XLI. **P0449 Non steroidal anti inflammatory drugs in liver fibrosis**  
Akhan E., Oğuz O., ÇETİN A. E., ATALAY R.  
EASL, 1 - 03 April 2015, vol.62, pp.481
- XLII. **Genetic variants within endotoxin signaling pathway association with asthma and atopy phenotypes**  
ŞAHİNER Ü. M., YAVUZ S., Buyuktiryaki B., BİRBEN 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
- XLIII. **Association of asthma with polymorphisms in the endotoxin signaling pathway**  
ŞAHİNER Ü. M., YAVUZ S., Buyuktiryaki B., BİRBEN 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
- XLIV. **Single nucleotide polymorphisms in the endotoxin signaling pathway and their relationship with in vitro IgE synthesis**  
ŞAHİNER Ü. M., YAVUZ S., Buyuktiryaki B., BİRBEN 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

**XLV. Genetic variants within the endotoxin signaling pathway and their effects on in-vitro IgE synthesis**

ŞAHİNER Ü. M., YAVUZ S., Buyuktiryaki B., BİRBEN E., Topaloglu E., Yaman A., TUNCER 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.115

**XLVI. Genetic variants within the endotoxin signaling pathway and asthma: an association study**

ŞAHİNER Ü. M., YAVUZ S., Buyuktiryaki B., BİRBEN 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

**XLVII. Prediction of protein subcellular localization based on primary sequence data**

Ozarar M., Atalay V., Atalay R.

IEEE 12th Signal Processing and Communications Applications Conference, Kusadasi, Turkey, 28 - 30 April 2004, pp.118-120

## Supported Projects

ATALAY R., Project Supported by Higher Education Institutions, Protein Kinaz İnhibitörlerinin Hücre Sinyal Yollarındaki Yeni Hedeflerinin Sistem Biyolojisi Yöntemleri İle Tanımlanması, 2015 - 2019

ATALAY M. V., ATALAY R., DALKIRAN A., RİFAİOĞLU A. S., Project Supported by Higher Education Institutions, Protein İşlevlerinin Altdizi Analizi ile Büyük Ölçekte Öngörme Yöntemleri, 2017 - 2017

## Metrics

Publication: 75

Citation (WoS): 198

Citation (Scopus): 143

H-Index (WoS): 7

H-Index (Scopus): 6