

Dr. Öğr. Üyesi Andres Octavio ARAVENA DUARTE

Kişisel Bilgiler

E-posta: andres.aravena@istanbul.edu.tr

Web: <https://anaraven.bitbucket.io/>

Uluslararası Araştırmacı ID'leri

ORCID: 0000-0003-3754-9235

Publons / Web Of Science ResearcherID: AAD-9182-2020

ScopusID: 35197949100

Yoksis Araştırmacı ID: 217121

Eğitim Bilgileri

Doktora, Université Rennes I, Informatics, INRIA/Irisa, Fransa 2011 - 2013

Doktora, Universidad De Chile, Ciencias Físicas Y Matemáticas, Ingeniería Matemática, Şili 2009 - 2013

Lisans Çift Anadal, Universidad De Chile, Ciencias Físicas Y Matemáticas, Ingeniería Matemática, Şili 1986 - 1993

Yabancı Diller

Portekizce, A2 Temel

İngilizce, C1 İleri

Türkçe, A1 Başlangıç

İspanyolca, C2 Ustalık

Fransızca, C1 İleri

İtalyanca, A2 Temel

Yaptığı Tezler

Doktora, Probabilistic and Constraint Based Modelling to Determine Regulation Events from Heterogeneous Biological Data, Universidad De Chile, Ciencias Físicas Y Matemáticas, Ingeniería Matemática, 2013

Doktora, Probabilistic and Constraint Based Modelling to Determine Regulation Events from Heterogeneous Biological Data, Université Rennes I, Informatics, Irisa, 2013

Araştırma Alanları

Bilgisayar Bilimleri, Biyoformatik, Matematik, Bilgisayar Bilimleri, İstatistik, Temel Bilimler, Mühendislik ve Teknoloji

Akademik Unvanlar / Görevler

Dr. Öğr. Üyesi, İstanbul Üniversitesi, Fen Fakültesi, Molekular Biyoloji Ve Genetik, 2018 - Devam Ediyor

Yrd. Doç. Dr., İstanbul Üniversitesi, Fen Fakültesi, Molekular Biyoloji Ve Genetik, 2014 - 2018

Akademik İdari Deneyim

Research Engineer, Universidad de Chile, FCFM, CMM, 2003 - 2014

SCI, SSCI ve AHCI İndekslerine Giren Dergilerde Yayınlanan Makaleler

- I. **Bioinformatics and gene expression analysis of the legume F-box/WD40 proteins in NaCl and high temperature stress**
Çelik H., Aravena Duarte A. O., Turgut Kara N.
Genetic Resources and Crop Evolution, cilt.70, sa.8, ss.2637-2655, 2023 (SCI-Expanded)
- II. **Genetic diversity at the Dhn3 locus in Turkish Hordeum spontaneum populations with comparative structural analyses**
Ucarli C., McGuffin L. J., Caputlu S., Aravena A., Guerl F.
SCIENTIFIC REPORTS, cilt.6, 2016 (SCI-Expanded)
- III. **Deciphering transcriptional regulations coordinating the response to environmental changes**
ACUNA V., Aravena A. O., GUZIOLOWSKI C., EVEILLARD D., SIEGEL A., MAASS A.
BMC BIOINFORMATICS, cilt.17, 2016 (SCI-Expanded)
- IV. **Global transcriptional responses of Acidithiobacillus ferrooxidans Wenelen under different sulfide minerals**
LATORRE M., EHRENFELD N., PAZ CORTES M., TRAVISANY D., BUDINICH M., Aravena A. O., GONZALEZ M., BOBADILLA-FAZZINI R. A., PARADA P., MAASS A.
BIORESOURCE TECHNOLOGY, cilt.200, ss.29-34, 2016 (SCI-Expanded)
- V. **Array CGH genomic profile of hereditary breast cancer tumors: Identification of tumor suppressor genes in deleted regions, determination of promoter hypermethylation and their protein expression in tumor biopsies**
Alvarez C., Tapia T., Cornejo V., ARAVENA DUARTE A. O., Fernandez W., Alvarez M., Camus M., Maass A., Carvallo P.
CANCER RESEARCH, cilt.72, 2012 (SCI-Expanded)
- VI. **SalmonDB: a bioinformatics resource for Salmo salar and Oncorhynchus mykiss**
DI GENOVA A., Aravena A. O., ZAPATA L., GONZALEZ M., MAASS A., ITURRA P.
DATABASE-THE JOURNAL OF BIOLOGICAL DATABASES AND CURATION, 2011 (SCI-Expanded)
- VII. **Genome-wide identification of new Wnt/beta-catenin target genes in the human genome using CART method**
HODAR C., ASSAR R., COLOMBRES M., Aravena A. O., PAVEZ L., GONZALEZ M., MARTINEZ S., INESTROSA N. C., MAASS A.
BMC GENOMICS, cilt.11, 2010 (SCI-Expanded)
- VIII. **Calcium/Calmodulin-Dependent Protein Kinase Type IV Is a Target Gene of the Wnt/beta-Catenin Signaling Pathway**
ARRAZOLA M. S., VARELA-NALLAR L., COLOMBRES M., TOLEDO E. M., CRUZAT F., PAVEZ L., ASSAR R., Aravena A. O., GONZALEZ M., MONTECINO M., et al.
JOURNAL OF CELLULAR PHYSIOLOGY, cilt.221, sa.3, ss.658-667, 2009 (SCI-Expanded)

Hakemli Kongre / Sempozyum Bildiri Kitaplarında Yer Alan Yayınlar

- I. **Expression analysis of F-box/WD40 genes in legumes**
Çelik H., Aravena Duarte A. O., Turgut Kara N.
Friend or Foe: Transcription and RNA Meet DNA Replication and Repair, EMBO-EMBL Symposium, 9 - 12 Mart 2021, ss.1-111
- II. **Modeling Parsimonious Putative Regulatory Networks: Complexity and Heuristic Approach**
ACUNA V., Aravena A. O., MAASS A., SIEGEL A.

15th International Conference on Verification, Model Checking, and Abstract Interpretation (VMCAI), California, Amerika Birleşik Devletleri, 19 - 21 Ocak 2014, cilt.8318, ss.322-336

III. Vitis vinifera Genome Annotation Improvement Using Next-Generation Sequencing Technologies and NCBI Public Data

MUNOZ C., DI GENOVA A., MAASS A., ORELLANA A., HINRICHSEN P., Aravena A. O.

10th International Conference on Grapevine Breeding and Genetics, New-York, Amerika Birleşik Devletleri, 1 - 05 Ağustos 2010, cilt.1046, ss.349-356

IV. Identification of genes with asymmetric expression in the zebrafish brain

COLOMBO A., MIONE M., SIGNORE I., OLIVARES F., PEREZ R., GONZALEZ M., Aravena A. O., Wilson S., CONCHA M.

16th Annual Conference of the International-Society-of-Development-Biologists, Edinburgh, Saint Helena, 6 - 10 Eylül 2009, cilt.126

V. Design and use of oligonucleotide microarrays for identification of biomining microorganisms

EHRENFELD N., Aravena A. O., REYES-JARA A., BARRETO M., ASSAR R., MAASS A., PARADA P.

18th International Biohydrometallurgy Symposium, Bariloche, Arjantin, 13 - 17 Eylül 2009, ss.155-156

Patent

Aravena Duarte A. O., Ehrenfeld Stolzenbach K. N., Badilla Ohlbaum R., Loira N., Ugalde J., Parada Valdecantos P. A., Maass Sepulveda A. E., Array of nucleotidic sequences for the detection and identification of genes that codify proteins with activities relevant in biotechnology present in a microbiological sample, and method for using this array, Patent, BÖLÜM C Kimya; Metalürji, Buluşun Tescil No: US8207324 B2 , 2012, 2008, 2013

Aravena Duarte A. O., Badilla Ohlbaum R., Ehrenfeld Stolzenbach K. N., Gonzalez Canales M. A., Maass Sepulveda A. E., Martinez Aguilera S., Moreno Cortes P. A., Parada Valdecantos P. A., DNA fragments array from biomining microorganisms and method for detection of them, Patent, BÖLÜM C Kimya; Metalürji, Buluşun Tescil No: AU2006241345 , 2013, 2010, 2011, 2007

Aravena Duarte A. O., Ehrenfeld Stolzenbach K. N., Gonzalez Canales M. A., Maass Sepulveda A. E., Martinez Aguilera S., Parada Valdecantos P. A., Method for the design of oligonucleotides for molecular biology techniques, Patent, BÖLÜM C Kimya; Metalürji, Buluşun Tescil No: AR054923A1 , 2007, 2011, 2012, 2008, 2010

Metrikler

Yayın: 13

Atf (WoS): 135

Atf (Scopus): 137

H-İndeks (WoS): 5

H-İndeks (Scopus): 5

Akademi Dışı Deneyim

Universidad de Chile

Universidad Arturo Prat