



## CURRICULUM VITAE

### Personal Information

Name Surname **GOKHAN GUN**  
Address Boğaziçi University  
Molecular Biology & Genetics Department, Kuzey Kampüs, Kuzey Park,  
Istanbul, TURKEY  
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Nationality Turkish

### Education

**2016- : Boğaziçi University (Istanbul, Turkey)**  
Ph.D. Major: Faculty of Science, Molecular Biology and Genetics  
Department  
**2013-2019: Istanbul University Cerrahpaşa (Istanbul, Turkey)**  
Ph.D. Major: Faculty of Veterinary Medicine, Department of Histology &  
Embryology  
**Thesis:** Koyun *in vitro* embiyo üretiminde Aktivin A etkisi ve moleküler  
cevabın karakterizasyonu (Danışman: Prof. Dr. Abit AKTAŞ)  
**2010-2013: Istanbul Technical University (Istanbul, Turkey)**  
M.Sc. Major: Advanced Technologies Department, Molecular Biology  
Genetics & Biotechnology programme  
**Thesis:** “Gun, G (2013). BIODESULFURIZATION OF FOSSIL FUELS BY *Sulfolobus*  
*Solfataricus* P2”  
**2005-2010: Istanbul Technical University (Istanbul, Turkey):**  
B.Sc. Major: Molecular Biology and Genetics  
**Thesis:** “Gun, G. (2010). Investigation Of The Allosteric Signaling  
Mechanism Of Hsp70 Induced Upon Substrate Binding”

### Work Experience 1

Dates 2013 – 2016  
Occupation or position held Research assistant  
Name and address of employer **Yeni Yuzyil University (Istanbul, Turkey)**  
Faculty of Medicine, Department of Medical Biology and Genetics

### Work Experience 2

Dates 2016– 2018  
Occupation or position held Research assistant  
Name and address of employer **Assoc. Prof. Dr. Muhammad Naseem**  
**Boğaziçi University (Istanbul, Turkey)**  
Department and address Systems Biology of Plant-Microbes Interaction Group, Department of  
Molecular Biology and Genetics

### Work Experience 3

Dates 2018– Present  
Occupation or position held Research assistant  
Name and address of employer **Assoc. Prof. Dr. Necla Birgül**  
**Boğaziçi University (Istanbul, Turkey)**  
Department and address Cancer Signalling Laboratory Group, Department of Molecular Biology  
and Genetics

### Publications

Naseem, M., **Gun, G.**, Osmanoglu, O., AlRemeithi, F. A., Iqbal, J., &  
Dandekar, T. (2020). Bacterial Shoot Apical Meristem Inoculation Assay.  
In Plant Stem Cells (pp. 17-22). Humana, New York, NY.

**Gun, G.,** Imamoglu, R., Tatli, O., Yurum, Y., Tarik Baykal, A., & Dinler-Doganay, G. (2019). Hyperthermophilic flavin reductase from *Sulfolobus solfataricus* P2: Production and biochemical characterization. *Biotechnology and Applied Biochemistry*, 66(6), 915-923.

**Gokhan Gun,** Yuda Yurum, Gizem Dinler-Doganay (2015) Revisiting the biodesulfurization capability of hyperthermophilic archaeon *Sulfolobus solfataricus* P2 revealed DBT consumption by the organism in an oil/water two-phase liquid system at high temperatures, *Turkish Journal of Chemistry*. 39: 255-266.

**Gökhan Gün** and Wilfried A. Kues (2014). Current progress of genetically engineered pig models for biomedical research. *BioResearch open access*. 3(6): 255-264

**Gün, G.,** Dinler Doğanay, G., & Yürüm, Y. (2013). Biodesulfurization of DBT by a hyperthermophilic archaeon *Sulfolobus solfataricus* P2. *Current Opinion in Biotechnology*, 24(Supplement: 1), S34-S35.

### Oral Presentations

**Gun, G.,** Yurum, Y., Dinler Doganay, G., (2013). Biodesulfurization of DBT by a hyperthermophilic archaeon *Sulfolobus solfataricus* P2, European Biotechnology Congress 2013, Bratislava, Slovakia.

**Gun, G.,** Iseri, Y., Yurum, Y., Dinler Doganay, G., (2012). Fosil yakıtlardan organik kukurdun uzaklaştırılması amacıyla etkili bir mikrobiyal desulfurizasyon yönteminin belirlenmesi, Endüstriyel Kirlenme Kontrolü Sempozyumu, Istanbul, Turkey

### Poster Presentations

Gün, G., Birgül, N. (2018) Deorphanization and Characterization of Orphan GPR141. Molbiyokon'18, İzmir, Turkey

**Gün, G.,** Özer, G., & Naseem, M. (2017). Assessing and integrating the various levels of complexity in plant-microbe interactions. In Moscow Conference on Computational Molecular Biology (MCCMB 2017) (pp. 36-36).

**Gun, G.,** Yurum, Y., Dinler Doganay, G. "Characterization of a flavin reductase from a hyperthermophilic archaeon *Sulfolobus solfataricus* P2", V International Conference on Environmental, Industrial and Applied Microbiology, October 2013, Madrid, Spain.

**Gun, G.,** Iseri, Y., Yurum, Y., Dinler Doganay, G. "Comparative Growth Studies of the Hyperthermophilic Archaeon *Sulfolobus solfataricus* P2 on Sulfur Compounds Found in Fossil Fuels", Environmental Microbiology and Biotechnology; in the frame of the knowledge-based bio and green economy Congress, April 2012, Bologna, Italy

Kicik, A., **Gun, G.,** Avçılar, I., Günsel, U., Dinler Doganay, G. "Investigating linker binding effects to the ATPase domain of Hsp70s through mutational analysis". European Biotechnology Congress, September 2011, Istanbul, Turkey

Avçılar, I., Günsel, U., Kicik, A., **Gun, G.,** Dinler Doganay, G. "Identification of allosteric residues in the ATPase domain of Hsp70 molecular chaperones upon substrate binding" 4th international Congress Of Molecular Medicine 27-30 June, 2011, Istanbul, Turkey

Avçılar, I., Günsel, U., Kicik, A., **Gun, G.,** Dinler Doganay, G. "Investigating allosteric sites that are critical for ATPase activation in Hsp70 molecular chaperone, DnaK, when stimulated by a substrate" 36. FEBS congress, Biochemistry for Tomorrow's Medicine, 25-30 June 2011, Torino, Italy

### Research interests:

Cell signaling, GPCR, insecticide, farm animal genetics