



**Name and Surname:** Onur Erk Kavlak

**Address:** Ankara University Faculty of Agriculture  
Aquacultural Engineering Department, Evolutionary  
Genetics Laboratory 06130, Altındağ /Ankara-TURKEY

**E-mail:** oekavlak@ankara.edu.tr

**Date of birth:** September 5, 1993

## EDUCATION

---

**MSc:** Ankara University- Biotechnology Institute, Ankara/Turkey (09/2017-present),  
<http://biotek.ankara.edu.tr/en/>

**BSc:** Yeditepe University- Genetics and Bioengineering Department, Istanbul/TURKEY  
(08/2012-06/2017), <http://eng.yeditepe.edu.tr/en/>

**Internship:** Sabancı University, Nanotechnology Research and Application Center,  
Istanbul/TURKEY (08/2016-09/2016), <http://sunum.sabanciuniv.edu/en>

**High School:** Piri Reis Anadolu High School- Adana/TURKEY (09/2007-06/2011)

## LANGUAGE SKILLS

---

English: Advanced

Spanish: Elementary

German: Beginner

## LABORATORY SKILLS

---

- Solid background on microbiology, molecular biology, genetics and bioengineering.
- One-year experience in Evolutionary Genetics Laboratory: Sanger sequencing, PCR, Quantitative RT PCR, ddPCR, DNA extraction from diverse organisms (bacteria, fish), RNA extraction, Denaturing Gradient Gel Electrophoresis (DGGE), protein precipitation and biochemical detection methods.
- Two years of experience on, sequential batch reactor technique, mammalian cell culture, chemostat culture, batch cultures on *E. coli*, *Actinobacillus succinogenes*, *S. cerevisiae*.
- Practical experience on confocal microscopy, bioink, 3-D bioprinter.

- Experience in using bioinformatics tools such as sed, awk, whole genome sequence analysis, OBITools (for metabarcoding).

## COMPUTER SKILLS

---

Bash (Unix shell): Intermediate

MATLAB: Good

Python: Beginner

C++: Beginner

Microsoft Word, Excel, and PowerPoint: Excellent

## PROJECTS INVOLVED

---

- Adaptive Evolution of *Halomonas variabilis* Under High Salinity (Ankara University Evolutionary Genetics Laboratory)
- In-vitro Adaptation of *Actinobacillus succinogenes* to Weak Acid Stress for Improved yield, Using Sequential Batch Reactor System and Prolonged Cultivation (Yeditepe University Bioprocess Laboratory)
- Printing 3-D Tissue Analogs with Decellularized Extracellular Matrix Bioink (Sabancı University 3-D Bioprinting and Fabrication Laboratory)

## ADDITIONAL EDUCATION AND CERTIFICATES

---

- 3<sup>rd</sup> Evolutionary Genomics Workshop (January 29- February 2, 2018)-Hacettepe University, Ankara/Turkey
- Fest 21 Chromosome Friendship Activity (April 12, 2017)- Yeditepe University, Istanbul/Turkey
- Biotechnology Community Student Congress 5<sup>th</sup> Genetics and Bioengineering Days (February 11-12, 2017)- Yeditepe University, Istanbul/Turkey
- International Istanbul Technical University Molecular Biology and Genetics Student Congress (October 7-9,2016)- Istanbul Technical University, Istanbul/Turkey
- Fest 21 Chromosome Friendship Activity (March 21, 2016)- Yeditepe University, Istanbul/Turkey
- V. Evolution, Science and Education Symposium (December 19-20, 2015)- Boğaziçi University, Istanbul/Turkey

- 2<sup>nd</sup> International Congress on Stem Cell and Cellular Therapies-with the participation of John Gurdon- (October15-18, 2015)- Antalya/Turkey
- Youthpass, Mobility of Youth Workers, Just Grow Up! Erasmus Project (August 23-30, 2015)- Zlin/Czech Republic
- Biotechnology Community Student Congress 2<sup>nd</sup> Genetics and Bioengineering Days (April 5-6, 2014)- Yeditepe University, Istanbul/Turkey

#### **CLUB AND ASSOCIATION MEMBERSHIPS**

---

- Member of Ecology and Evolutionary Biology Society of Turkey (2017-present)
- Member of DNAqua-Net, Working Group 3 (Field and Lab Protocols) (2017-present)
- Yeditepe University Biotechnology Community Attendant (2014-2017)

#### **REFERENCES**

---

- Assist. Prof. Emrah Nikerel  
Genetics and Bioengineering, Yeditepe University  
E-Mail: [emrah.nikerel@yeditepe.edu.tr](mailto:emrah.nikerel@yeditepe.edu.tr)
- Prof. Dr. Mustafa ÖZİLGİN  
Head of the department, Food Engineering, Yeditepe University  
E-Mail: [mozilgen@yeditepe.edu.tr](mailto:mozilgen@yeditepe.edu.tr)