

Name  
E-mail  
Website

## Ekin Deniz Aksu

[aksuekin@gmail.com](mailto:aksuekin@gmail.com)

[ekinda.github.io](https://ekinda.github.io)

### Education

09/2014 – today

#### School of Medicine

Koç University, Istanbul

- GPA: 3.64/4.0
- 62% scholarship, English language of instruction
- Six-year government grant for university education

09/2015 – 06/2017

#### Minor in Mathematics

Koç University, Istanbul

- Calculus, real analysis I & II, group theory, linear algebra, statistics, probability theory

09/2009 – 06/2014

#### High School

Istanbul High School (*Istanbuler Gymnasium*), Istanbul

- Average grade: 94.38/100
- German *Abitur* grade: 1.4 (1.0 being highest)
- 34<sup>th</sup> place in the Nationwide University Placement Exam Second Step (LYS) – among 1 million students

### Research

08/2017 – today

#### Infectious Diseases and Microbiology Group

Under supervision of Önder Ergönül, MD, MPH. Koç University.

- Statistical descriptions, tests and visualization with R

02/2015 – 08/2017

#### Stem Cell Laboratory

Under supervision of Tamer Önder, PhD. Koç University.

- Identifying novel miRNAs affecting breast cancer mortality (lead researcher)
- Role of chromatin modifiers on iPSC generation

### Scientific Work

2019

#### Article

Vitamin D Status Across Age Groups in Turkey: Results of 108742 Samples from a Private Laboratory. Gül Yeşiltepe Mutlu, Ekin Deniz Aksu, Abdullah Bereket, Şükrü Hatun. Journal of Clinical Research in Pediatric Endocrinology. 2019.

2019

#### Oral Presentation & Article

ECCMID 2019, Amsterdam. *Presented by Ozlem Dogan.*

- Predictors of Fatality among the patients with Candidemia caused by different Candida species and resistance of antifungal agents: a multi-center prospective observational cohort study of the Turkish Fungal Infections Study Group. Ozlem Dogan, ..., Ekin Deniz Aksu, Füsün Can, Önder Ergönül.

2019

#### Poster Presentation & Article

ECCMID 2019, Amsterdam. *Presented by Mahir Kapmaz.*

- Antibiotic De-escalation Opportunities and Predictors of Fatality in Gram-Negative Blood Stream Infections in Turkey. Mahir Kapmaz, ..., Ekin Deniz Aksu, ..., Önder Ergönül.

2018	<p><b>CRISPR Knockout Workshop</b></p> <p>Koç University</p> <ul style="list-style-type: none"> <li>Organized and held an interactive workshop on the basics of CRISPR, guide-RNA design and PCR primer design for T7E assay</li> <li>200 participants attended from different universities across Turkey</li> </ul>
2017	<p><b>Oral Presentation</b></p> <p>KUSOM Research Symposium, Koç University</p> <ul style="list-style-type: none"> <li>MiR-660 and miR-324 are potential markers for breast cancer mortality. <u>Ekin Deniz Aksu</u>, Mehmet Gönen, Tamer Önder.</li> </ul>
2016	<p><b>Oral Presentation</b></p> <p>KUSOM Research Symposium, Koç University</p> <p>ASM Microbe, Boston. <i>Presented by Poyraz Düzgün.</i></p> <ul style="list-style-type: none"> <li>Health and Healthcare Determinants of Antibiotic Resistance in OECD Countries. Salih Karahan, Poyraz Düzgün, <u>Ekin Deniz Aksu</u>, ..., Önder Ergönül.</li> </ul>
2015	<p><b>Poster Presentation</b></p> <p>KUSOM Research Symposium, Koç University</p> <ul style="list-style-type: none"> <li>How to design and optimize PCR primers to detect CRISPR/Cas induced genome cleavage. <u>Ekin Deniz Aksu</u>, Can Aztekin, Tamer Önder.</li> </ul>
2015	<p><b>Oral Presentation</b></p> <p>2<sup>nd</sup> International Congress on Stem Cell and Cellular Therapies, Antalya. <i>Presented by Can Aztekin.</i></p> <ul style="list-style-type: none"> <li>Systematic Investigation of Chromatin Modifiers in iPSC Generation by using a focused CRISPR-Cas9 Knock-Out Library. Can Aztekin, ... <u>Ekin Deniz Aksu</u>, ... Tugba Bagci-Onder, Nathan Lack, Tamer Önder.</li> </ul>
<b>Other Skills</b>	
<b>Languages</b>	<p>Turkish – native</p> <p>English – full proficiency</p> <p>German – full proficiency</p> <p>French – beginner</p>
<b>Memberships</b>	<p>President of KU Medical Research Community (KUMRC) 2017-2018, member of KU Science Society, KU Fantasy Role Playing Club, IELMUN (earlier)</p>
<b>Programming &amp; Software</b>	<p>Python, R, Photoshop, Illustrator, MS Office, Git, touch typing</p>
<b>Lab Methods</b>	<p>CRISPR/Cas9 knockout, cell culture, gene cloning to plasmid vectors, PCR, qRT-PCR, DNA/RNA isolation, viral packaging, transformation, transfection, T7 endonuclease assay, flow cytometry</p>
<b>Other Interests</b>	<p>Early modern European history, science-fiction, cooking, chess, graphic design</p>