

Ecem Kural Mangit, M.Sc Specialist

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EMPLOYMENT

2017- Specialist at the Laboratory Animals Research and Application Center, Hacettepe University

EDUCATION

2017-Ongoing Hacettepe University – PhD in Medical Biology
2014 – 2017 Hacettepe University – Master of Science in Medical Biology
Investigation of Desmin-Lamin B Interaction Using Zebrafish Model, Supervisor: Dr. Pervin Dinçer
2007 – 2012 Hacettepe University – Bachelor of Science in Biology

RESEARCH EXPERIENCES

2015-2018 Investigation of The Effect of a Desmin Mutation on Desmin Protein Function By Using Zebrafish Model, Research assistant, PhD studentship
2017-2019 Development of CRISPR/Cas9 genome editing tools in zebrafish for rare diseases modeling, Research assistant

PUBLICATIONS AND PRESENTATIONS

1. **Kural Ecem**, Kayman Kürekçi Gülsüm, Koyunlar Cansu, Yaylacioğlu Tuncay Fulya, Ünsal Şeyda, Dinçer Pervin Rukiye (2017). Zebrafish Disease Modeling of Rare Disorders By Genome Editing Tools in Turkey. 10th European Zebrafish Meeting
2. **Kural Ecem**, Koyunlar Cansu, Kayman Kürekçi Gülsüm, Ünsal Şeyda, Dinçer Pervin Rukiye (2017). Hacettepe University Zebrafish Research Laboratory: Rare Diseases Modeling in Zebrafish by Using Genome Editing Tools. ESHG Conference
3. Ünsal Ş., **Kural E.**, Koyunlar C., Kayman-Kurekci G., Ergin B., Sağlam B., Purali N., Dincer P. (2017). Defining the Role of Mechanotransduction in Limb-Girdle Muscular Dystrophy Type 2R. Mechanical Forces in Biology, EMBO-EMBL Symposia. (Poster).

4. Koyunlar C., Kayman Kurekci G, **Kural E**, Talim B, Purali N, Dincer P. 27-30 May 2017. Analysing the Expression Profile of Human DES Orthologues Desma and Desmb by Using Knockout Zebrafish Models. European Society of Human Genetics Conference (Poster).
5. G K Kurekci, C Koyunlar, **Kural E**, B Talim, P Korkusuz, S E Ozdamar, N Purali, P Dincer. Desmin mutation with an ultra rare and unique phenotype: Genome editing for a patient specific zebrafish model. 5-8 March 2017. Keystone Symposia, Rare and Undiagnosed Diseases: Discovery and Models of Precision Therapy (Poster).
6. Kayman Kürekçi Gülsüm, Koyunlar Cansu, **Kural Ecem**, Talim Beril, Ergin Bora, Ünsal Şeyda, Purali Nuhan, Korkusuz Petek, Erdem Özdamar Sevim, Dinçer Pervin Rukiye (2017). Modeling of a unique desmin mutation in zebrafish by using genome editing brings new insights into desmin function. ESHG Conference
7. Kayman Kürekçi Gülsüm, Koyunlar Cansu, **Kural Ecem**, Talim Beril, Korkusuz Petek, Erdem Özdamar Sevim, Purali Nuhan, Dinçer Pervin Rukiye (2017). Desmin mutation with an ultra rare and unique phenotype: Genome editing for a patient specific zebrafish model. Rare and Undiagnosed Diseases: Discovery and Models of Precision Therapy
8. **Kural Ecem**, Kayman Kürekçi Gülsüm, Koyunlar Cansu, Dinçer Pervin Rukiye (2016). Hacettepe University Zebrafish Research Laboratory Zebrafish Disease Modeling by Genome Editing Tools. The 41st FEBS Congress, Doi: 10.1111/febs.13807
9. Dinçer Pervin Rukiye, Kayman Kürekçi Gülsüm, **Kural Ecem**, Koyunlar Cansu, Talim Beril, Korkusuz Petek, Erdem Özdamar Sevim, Purali Nuhan, Özgüç Meral (2016). Rare diseases and new therapy modalities Challenges and opportunities in Turkey. CSHL Meeting Genome Engineering: The CRISPR/Cas Revolution
10. **Kural Ecem**, Kayman Kürekçi Gülsüm, Koyunlar Cansu, Dinçer Pervin Rukiye (2016). Speed Talks Hacettepe University Zebrafish Research Laboratory Zebrafish Disease Modeling by Genome Editing Tools. The FEBS Journal, 283, 57-126., Doi: 10.1111/febs.13807 (International) (Peer-reviewed journal)
11. Dinçer, P., Kayman Kürekçi, G., **Kural, E.**, Koyunlar, C., Talim, B., Korkusuz, P., Özdamar, S.E., Puralı, N., Özgüç, M. Rare Diseases and New Therapy Modalities – Challenges and Opportunities in Turkey. 17-20 August 2016. Cold Spring Harbor Laboratory Meeting, Genome Engineering: The CRISPR/Cas Revolution. (Oral Presentation). New York, U.S.A

MEMBERSHIPS

Tıbbi Biyoloji ve Genetik Derneği
Biology Club, Hacettepe University
Cinema and TV Club, Hacettepe University
Doğa Derneği

RESEARCH INTERESTS

Protein-protein interactions

Rare Diseases

Zebrafish

CERTIFICATES

2012	Laboratory Animal Practice and Ethics
13.5.2015	Epigenetics analysis: Optimization of Chromatin-Immunoprecipitation (ChIP) and ELISA

INTERNSHIP

June 2013-September 2013	Leibniz-Institut für Gewässerökologie und Binnenfischerei (IGB), Berlin, Germany
25.08.2009- 08.09.2009	Izmit Community Hospital, Microbiology Laboratory

VOLUNTARY PROJECTS

25.08.2010- 10.09.2010	Protection of Sea Turtle Populations in Samandağ Position: Volunteer
15.06.2010-30.06.2010	Protection of Sea Turtle Populations in Göksu Delta Specially Protected Region Position: Volunteer
24.09.2009-2.10.2009	Bird ringing in Cernek Bird Ringing Station Position: Volunteer
June 2009- August 2009	Protection and Monitoring of Sea Turtle Populations in Patara Specially Protected Region Project, Position:Field Chief