GÜLSÜM KAYMAN KÜREKÇİ

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Birth: 28.03.1989/ Anderlecht, BELGIUM

UNIVERSITY DEGREES

2014 –	**Ph.D.,** Dept. of Medical Biology, Hacettepe University, TURKEY Thesis: *Investigation of the Role of LAP1B in Transcriptional Regulation of Muscle Cells* Supervisor: Dr. Pervin Dinçer
2012 – 2014	**M.Sc.**, Dept. of Medical Biology, Hacettepe University, TURKEY Thesis: *Genetic Study of Families Diagnosed with Autosomal Recessive Limb-girdle Muscular Dystrophy.* Supervisor: Dr. Pervin Dinçer
2007 – 2011	**B.Sc.**, Biological Sciences, Free University of Brussels, BELGIUM

EMPLOYMENT

2016 –	Research Assistant, Dept. of Medical Biology, Hacettepe University

RESEARCH EXPERIENCE

2017 – 2020	Research Assistant, PhD studentship, Project: *Investigation of the Role of LAP1B in Transcriptional Regulation of Muscle Cells* Head of Project: Dr. Pervin Dinçer, The Scientific and Technological Research Council of Turkey, Project no 116S307
2017 – 2019	Research Assistant, Project: *Identification of MicroRNA Biomarkers for Targeted Therapy for Neuromuscular Disorders* Head of Project: Dr. Burcu Hayta, Hacettepe University Scientific Research Projects Unit Project no TAY-2017-14413
2017 – 2019	Research Assistant, Project: *Development of CRISPR/Cas9 genome editing tools in zebrafish for rare diseases modeling* Head of Project: Dr. Pervin Dincer, Hacettepe University Scientific Research Projects Unit, Project no TAY-2017-12735
2015 – 2017	Research Assistant, PhD studentship, Project*: Investigation of the Effect of a Desmin Mutation on Desmin Protein Function by Using Zebrafish Model* Head of Project: Dr. Pervin Dinçer, The Scientific and Technological Research Council of Turkey, Project no 214S174

2012 – 2015	Research Assistant, MSc studentship, Project: *Genetic Study of Families Diagnosed with Autosomal Recessive Limb-girdle Muscular Dystrophy*. Head of Project: Dr. Pervin Dinçer TÜBİTAK 1001 Proct no 112S271

FELLOWSHIPS

2017	Federation of European Biochemical Societies (FEBS) Bursary 2017
2017	European Society of Human Genetics (ESHG) Conference Bursary
2016	Fellowship for national scientific meeting attendance – TÜBİTAK 2224B
2015 – 2017	PhD Studentship, Project no 214S174 – TÜBİTAK 1001
2014	Fellowship for Research Abroad, King's College London, Project no 1261 – HÜBAB
2012 – 2015	PhD Studentship, Project no 112S271 – TÜBİTAK 1001
2013	World Muscle Society Fellowship – World Muscle Society Education Fund

PUBLICATIONS

Yaylacioglu Tuncay F., Kayman Kürekçi G., Guntekin Ergün S., Pasaoglu ÖT, Akata F., Dincer P. (2016). Genetic analysis of the CHST6 and TGFBI genes in Turkish patients with corneal dystrophies: Five novel variations in CHST6. *Molecular Vision* 22:1267-79.

Kayman-Kurekci, G., Korkusuz, P., Dincer, P. (2014). Letter to the editor. Response (to Sewry and Goebel). *Neuromuscular Disorders* 24; 1122. DOI: 10.1016/j.nmd.2014.08.001

Kayman-Kurekci, G., Talim, B., Korkusuz, P., Sayar, N., Sarioglu, T., Oncel, I., Sharafi, P., Gundesli, H., Balci-Hayta, B., Purali, N., Serdaroglu-Oflazer, P., Topaloglu, H., Dincer, P (2014). Mutation in *TOR1AIP1* encoding LAP1B in a form of muscular dystrophy: A novel gene related to nuclear envelopathies. *Neuromuscular Disorders* 24(7); 624-633. DOI: 10.1016/j.nmd.2014.04.007

Kayman Kürekçi, G., Dinçer, P. (2014). Next-generation DNA sequencing technologies. *Erciyes Medical Journal* 36(3); 99-103. DOI: 10.5152/etd.2014.7803

Kayman Kürekçi, G., Dinçer, P. (2014). Exome sequencing for the identification of Mendelian disease genes. *Erciyes Medical Journal* 36(4): 139-43. DOI: 10.5152/etd.2014.7804

Kayman Kürekçi G., Bunsuz M., Önal G., Dinçer P. (2017). Kazanılmış epigenetik değişikliklerin kalıtımı ve hastalıklara yatkınlıktaki rolü. *İstanbul Tıp Fakültesi Dergisi* 80(1):45-53

PRESENTATIONS

Kayman-Kurekci G., Koyunlar C., Kural E., Talim B., Ergin B., Ünsal S., Purali N., Korkusuz P., Erdem Ozdamar S., Dincer P. 27-30 May 2017. Modeling of a unique desmin mutation in zebrafish by using genome editing brings new insights into desmin function. European Society of Human Genetics Conference (Poster). ESHG 2017 Copenhagen, Denmark.

Ünsal Ş., Kural E., Koyunlar C., Kayman-Kurekci G., Ergin B., Sağlam B., Purali N., Dincer P. 12-15 July 2017. Defining the Role of Mechanotransduction in Limb-Girdle Muscular Dystrophy Type 2R. Mechanical Forces in Biology, EMBO-EMBL Symposia. (Poster). Berlin, Germany.

Kayman Kurekci G., Unsal S., Dincer P. 10-14 September 2017. In vivo targeted mutagenesis via CRISPR/Cas9 and TALEN in zebrafish enables rapid screening of candidate rare diseases genes. 42nd FEBS Congress (Poster), Jerusalem, Israel.

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). ESHG 2017 Copenhagen, Denmark.

Kural E, Kayman Kürekçi G, Koyunlar C,Yaylacioğlu Tuncay F, Ünsal Ş, Dinçer P. 3-7 July 2017. Zebrafish Disease Modeling Of Rare Disorders By Genome Editing Tools In Turkey. 10th European Zebrafish Meeting (Poster). Budapeste, Hungary.

G K Kurekci, C Koyunlar, E Kural, 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). Boston, U.S.A.

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.

Kayman-Kurekci, G., Talim, B., Korkusuz, Purali, N., Dincer, P. A novel gene associated with nuclear envelopathies: TOR1AIP1 and muscular dystrophy. (Oral Presentation). 27-30 October 2015. XIV. National Meeting of Medical Biology and Genetics, Ölüdeniz, Fethiye, Turkey.

Kayman-Kurekci, G., Talim, B., Korkusuz, P., Sayar, N., Sarioglu, T., Oncel, I., Sharafi, P., Gundesli, H., Balci-Hayta, B., Purali, N., Serdaroglu-Oflazer, P., Topaloglu, H., Dincer, P. Expansion of the spectrum of nuclear envelopathies: mutation in *TOR1AIP1* associated with muscular dystrophy. (Poster bildiri). 18-22 Ekim 2014. American Society of Human Genetics Annual Meeting 2014, San Diego, California, U.S.A.

Kayman-Kurekci, G., Talim, B., Korkusuz, P., Sayar, N., Sarioglu, T., Oncel, I., Sharafi, P., Gundesli, H., Balci-Hayta, B., Purali, N., Serdaroglu-Oflazer, P., Topaloglu, H., Dincer, P. A novel nuclear envelopathy-related gene: mutation in *TOR1AIP1* encoding LAP1B causes muscular dystrophy. (Poster). 11 September 2014. III. International Congress of the Molecular Biology Association, İzmir, Turkey.

Kayman-Kurekci, G. A novel gene associated with nuclear envelopathies: mutation in *TOR1AIP1* in a form of muscular dystrophy. Special Seminar. (Oral presentation). 16 June 2014. Hodgkin Building, Guy's Campus, King's College London, London, U.K.

Kayman-Kurekci, G., Talim, B., Korkusuz, P., Sayar, N., Sarioglu, T., Oncel, I., Sharafi, P., Gundesli, H., Balci-Hayta, B., Purali, N., Serdaroglu-Oflazer, P., Topaloglu, H., Dincer, P. Torsin A-interacting protein 1 / Lamina-associated polypeptide 1B in a form of limb-girdle muscular dystrophy: a novel gene related to nuclear envelopathies. (Oral presentation). 5 October 2013. 18. International Meeting of the World Muscle Society, California, U.S.A.

TRAININGS AND CERTIFICATES

Certificate of Laboratory Animal Use, Class B, Hacettepe University, Local Ethics Committee for Animal Experiments, 4 December 2013.

INTERNATIONAL ACTIVITIES

October 2017	Institute of Myology, Medical School Pitie-Salpetriere, Universite Pierre et Marie Curie, FRANCE
April – June 2014	Muscle Signalling Laboratory, Randall Division for Cell and Molecular Biophysics, King's College London, U.K.
February – April 2011	Dept. of Molecular Biology, Institute of Molecular and Medical Biology (IBMM), Free University of Brussels, BELGIUM

LANGUAGE SKILLS

French – native speaker
Turkish – native speaker
English – very good
Dutch – basic skills

REFERENCES

Prof. Pervin Dinçer, Department of Medical Biology, Faculty of Medicine, Hacettepe University, Ankara, Turkey, e-mail: pdincer@hacettepe.edu.tr

Prof. Simon M. Hughes, Muscle Signalling Laboratory, Randall Division for Cell and Molecular Biophysics, King's College London, U.K., e-mail: simon.hughes@kcl.ac.uk

Prof. Bruno André, Department of Molecular Biology, Institute of Molecular Biology and Medicine (IBMM), Université Libre de Bruxelles, Gosselies, Belgium, e-mail: bran@ulb.ac.be