

BIOGRAPHICAL SKETCH

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NAME: Sukru Anil Dogan

eRA COMMONS USER NAME (credential, e.g., agency login):

POSITION TITLE: Assistant Professor

EDUCATION/TRAINING (*Begin with baccalaureate or other initial professional education, such as nursing, include postdoctoral training and residency training if applicable. Add/delete rows as necessary.*)

INSTITUTION AND LOCATION	DEGREE (if applicable)	Start Date MM/YYYY	Completion Date MM/YYYY	FIELD OF STUDY
Middle East Technical University (METU), Ankara, Turkey	B.Sc.	09/2000	08/2005	Molecular Biology and Genetics
Middle East Technical University (METU), Ankara, Turkey	M.Sc.	09/2005	02/2009	Biological Sciences
CECAD, University of Cologne, Cologne, Germany	Ph.D.	10/2009	01/2014	Mitochondrial Genetics
CECAD, University of Cologne, Cologne, Germany	Postdoctoral Training	01/2014	09/2014	Mitochondrial Genetics
MRC Mitochondrial Biology Unit, Cambridge, UK	Postdoctoral Training	10/2014	07/2018	Mitochondrial Medicine

A. Personal Statement

Dear Members of the European Society for Mitochondrial Research and Medicine (E-mit):

I, Dr. Sukru Anil Dogan, would like to nominate myself for the Secretary of the E-mit Executive Board as it embodies my capabilities, skills, and passions greatly.

First and foremost, I am deeply passionate about mitochondrial research and medicine. I am an accomplished, enthusiastic, and hard-working team player with great organization, communication, and problem-solving skills. As a detail-oriented individual, I possess excellent organizational skills and have a keen eye for accuracy. I am adept at managing administrative tasks, coordinating and facilitating meetings, and ensuring the smooth operation of essential society processes.

In parallel to my B.Sc. and M.Sc. studies, I also directed the news department of a highly successful regional radio station, Radio ODTU. As one of the first science journalists in Turkey, I am now continuing my activities in various community and scientific-outreach programs. As one of the main tasks of the Secretary would be the preparation of reports for public dissemination and oversee the contents of the website, I believe my journalistic background would be a great asset for this role.

If selected for the position of Secretary, I will also be deeply committed to collaboration, knowledge exchange and inclusivity within the scientific community.

I feel confident that my scientific achievements to date, my experiences in different areas other than science, my engaging personality, natural curiosity and skills prepared me perfectly for the Secretary position at E-mit. I am confident that I can be a great addition to the excellent E-mit Executive Board, and I am eager to contribute to E-mit's mission and support the growth and development of the society.

B. Positions, Scientific Appointments and Honors

I am currently working as an Assistant Professor at Bogazici University, Department of Molecular Biology and Genetics, Istanbul, Turkey. During my 9 years of international research experience in Germany and the UK followed by 4 years of independently running my lab in Turkey, my scientific efforts and endeavors have been rewarded. For example, already at the Ph.D. level, I secured a highly competitive CECAD fellowship followed by an EMBO fellowship to pursue my postdoctoral training at Cambridge before obtaining an EMBO Installation Grant and transitioning to an Assistant Professor position and starting my own independent group. Additionally, I have been awarded one of the most prestigious scientific accolades in Turkey, namely the Young Scientist Award by The Science Academy. More recently, my teaching has been deemed worthy of an honor by the student evaluations and I had the greatest pleasure to be the youngest awardee of the Excellence in Teaching Award of Bogazici University.

In addition to training and teaching the next generation of mitochondrial researchers, I am also highly committed to outreach activities to the wider scientific community as well as to the general public. In parallel to my B.Sc. and M.Sc. studies, I also directed the news department of a highly successful regional radio station, Radio ODTU. There, I received numerous communication and public outreach awards for my journalistic work such as (1) The World Conference of Science Journalists 2009, European Commission JRC Travel Scholarship Fellow; (2) The European Initiative for Communicators of Science (EICOS) 'Hands-on Laboratory and Extended Lab Assignment' 2008 Fellow; (3) U.S. Department of State's Individual International Visitor Leadership Program (IVLP); (4) 15th International Environmental Project Olympiad Environmentalism Awards – Special Distinction Award for Press; (5) Best Radio News – Radio ODTU News (awarded by Radio and Television Higher Council of Turkey).

C. Contributions to Science

Mitochondria have always fascinated me. My quest for unraveling the mysteries of this intriguing organelle has subsequently led me to some of the best institutes performing cutting-edge mitochondrial research. For my PhD at the Center of Excellence CECAD, University of Cologne, I was under the supervision of Prof. Aleksandra Trifunovic – together, we shed light on the heterogeneity and tissue specificity of mitochondrial disorders by using a battery of tissue-specific mouse models (Dogan et al., 2014, Cell Metabolism; Aradjanski et al., Human Molecular Genetics, 2017). For my postdoctoral studies as an EMBO Long-Term Fellow at the MRC Mitochondrial Biology Unit, University of Cambridge, I aimed to expand my scientific horizons from basic research and to more translationally oriented applications. My project, under the supervision of Prof. Massimo Zeviani, led us to discover the beneficial effects of reactive oxygen species (ROS) signaling in OXPHOS-deficient mouse models (Dogan et al., 2018, Cell Metabolism). I have been an Assistant Professor in my home country of Turkey and with my full scientific independence, my lab is studying different signals emanating from mitochondria and systematically dissecting the molecular pathways that these signals activate with a view to deciphering their role in aging, age-related diseases, and mitochondrial fitness. We are especially interested in mitochondrial diseases in general, mitochondrial cardiomyopathy and myopathy in particular. Currently we are focusing on: generating, characterizing and ameliorating mouse models of mitochondrial cardiomyopathy/myopathy; tissue-specificity of mitochondrial stress responses in disease; and medical science focusing on mitochondrial disease patients in Turkey. All in all, I would like my research program to lay the groundwork for the identification of druggable targets and development of potential novel therapies that could be applied to a number of organ- and tissue-specific human mitochondrial conditions.

D. Scholastic Performance

YEAR	COURSE TITLE	GRADE
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