Regulation of Hippocampal Adult Neurogenesis and Adult-born Granule Cell Activity

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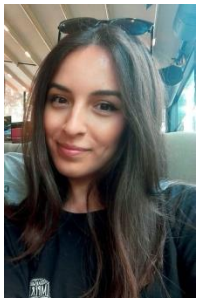
Abstract (not more than 300 words)

Neurogenesis is the new neurons generation from neural precursor cells. Aside from the embryonic development, neurogenesis occur in distinct neurogenic niches in the brains of adult mammals. Two major sites are the subventricular zone of the lateral ventricle and the subgranular zone of the dentate gyrus in the hippocampus. Regulation of adult neurogenesis refers to the modulation of mechanisms controlling the neurogenic processes. Several chemical, physical epigenetic and genetical factors regulate adult neurogenesis. Adult neurogenesis, effective mechanisms in this process and regulation of these mechanisms are new research topics in the literature. It is known that adult neurogenesis is regulated chemically, physically, and molecularly, but it is still not fully understood what are these mechanisms and how these regulatory mechanisms work. With this study, we aimed to review the studies that have been made up to now, to clarify the issues that are not covered in the literature, to give new perspectives for future studies and therapeutic interventions and to provide a guiding resource.

Keywords—Neurogenic Niche, Epigenetics, Micronvironments, Extrcelular Matrix

Professional Biography (100-150 words)

Gamze Gül is born in 1995. She completed her undergraduate education in the Department of Molecular Biology and Genetics of Üsküdar University in 2018 with an average of 3.32. In the same year, she started her graduate education in Yıldız Technical University, Department of Molecular Biology and Genetics. Her graduation thesis was on adult neurogenesis. She has good English and beginner-level German language.



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EXPENSES

Hello

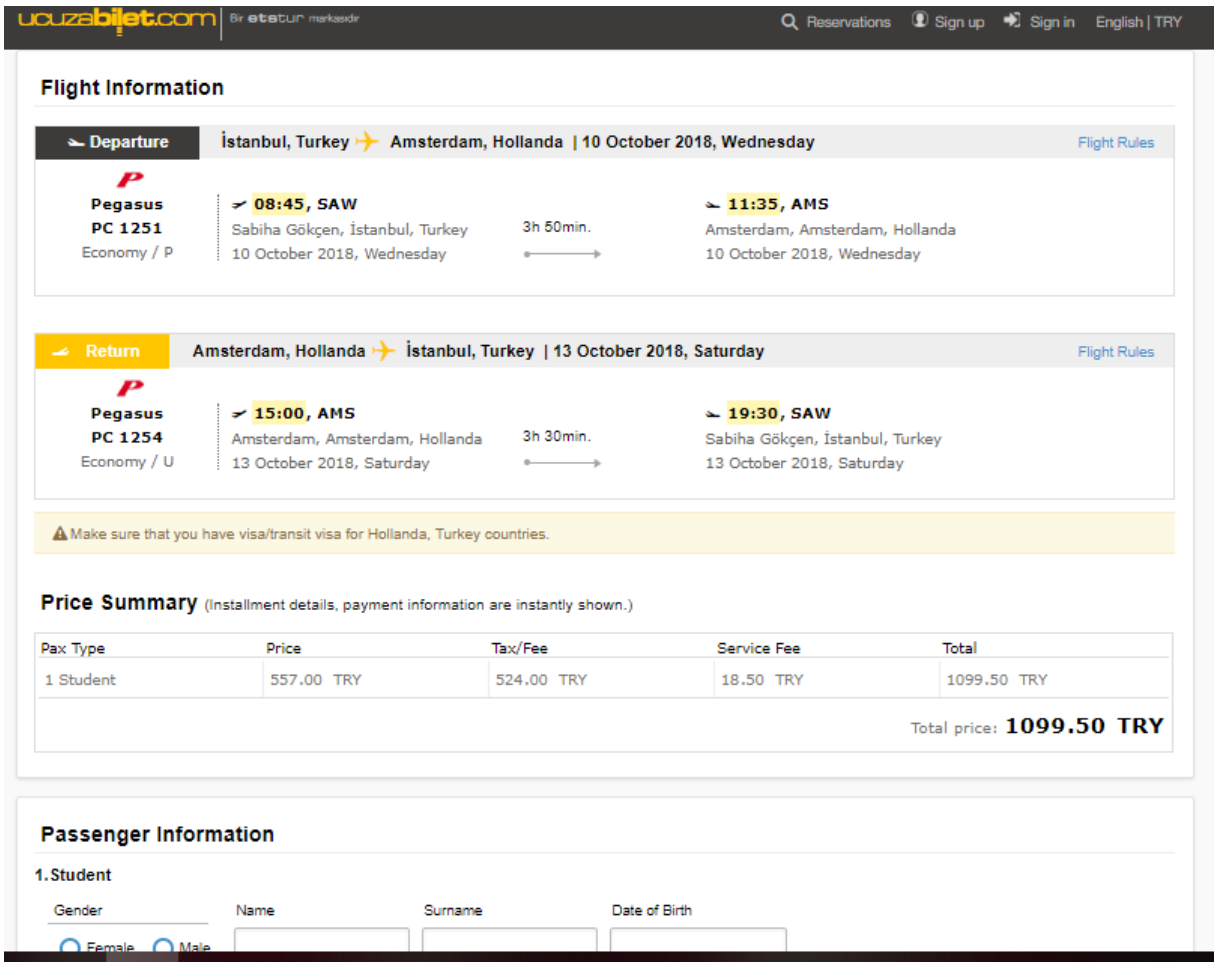
First of all, I would like to thank you for your invitation to be a conference speaker.

I would very much like to accept your invitation, but I still live with my economic constraints because of my education life (Still I am a master student). For this reason, I will come to your invitation if you can help me with the expenses I have shown below.

Thank you

Best Regards

Flight Ticket



Departure from Turkey: 10 October 8.45

Departure from Amsterdam: 13 October 15.00 or 14 October

Accommodation

3 nights 4 days all inclusive accommodation (can be any hotels that is near the conference hall)

Transportation:

Transportation from the airport to the hotel

Access to the conference area from the hotel