**Department of Molecular Biology and Genetics (English)**

**Graduation Project & Graduation Thesis**

**Important Announcements :**

1. **Due to recent departmental regulations, 30% of the total number of students enrolled in MBG 493 will be allowed to choose a supervisor outside the department. Since this quota is now full, students (except the ones that are already assigned) can no more choose supervisors outside the department.**
2. **Students should directly contact the faculty member for the proposed project titles. In case of acceptance, the coordinator should be informed by the faculty member.**
3. **The students can choose a co-supervisor outside the faculty/university. However, the main supervisor must be among the full-time faculty members of Faculty of Engineering and Natural Sciences.**
4. **Graduation Thesis lists must be approved by the Departmental Board.**

**General Information**

Graduation Project Coordinator for MBG-EN (students & faculty) : Assist. Prof. Dr. Pınar Öz

Graduation Thesis Coordinator for MBG-EN (students & faculty) : Prof. Dr. Tunç Çatal

It is obligatory for 4th year MBG EN students to take MBG 493 Graduation Project and MBG 494 Graduation Thesis courses in their final year.

The Graduation Project Coordinator arranges the announcement of proposed project titles and monitors the student admissions. However, it is student’s responsibility to choose and contact the faculty member for the listed projects. The faculty members will decide on admissions.

About the projects

* MBG 493 Graduation Project will be prepared as a review related to the proposed project title and it should be in English.
* Project title can change throughout the term, however, it is advised that it remains in the same area. When there is a change in the project title, the MBG 493 coordinator should be informed by the student/faculty member before November 5, 2018.
* MBG 494 Graduation Thesis ideally follows the same project, however, Project and Thesis titles are generally different. The Thesis can use the information gathered in the Project, however, the content should not be entirely the same.
* Thesis titles are generally finalized at the first week of Spring Semester.
* The course grading will be performed by the faculty members. Suggested grading system is
  + Progress Report(s) % 50
  + Final Report % 50

However, this can be changed by the faculty member, as they deem appropriate.

* The format of MBG 493 Graduation Project reports will be provided by the faculty member, there will not be a general format.

**Important Deadlines**

Student admissions for open projects October 19, 2018

Announcement of final lists October 20, 2018

|  |  |  |
| --- | --- | --- |
| **Faculty Member**  **(MBG – EN)** | **Number of Suggested Projects** | **Number of Open Positions** |
|
| Prof. Dr. Muhsin Konuk | 7 | 7 |
| Assoc. Prof. Dr. Tunç Çatal | 7 | 5 |
| Assist. Prof. Dr. Pınar Öz | 7 | 0 |
| Assist. Prof. Dr. Shirin Tarbiat | 7 | 5 |
| **TOTAL** | **28** | **17** |
| **Faculty Member**  **(Other)** | **Number of Suggested Projects** | **Number of Open Positions** |
| Assist. Prof. Dr. Kaan Yılancıoğlu | 1 | 0 |
| Assist. Prof. Dr. Ahmet Can Timuçin | 6 | 0 |
| Assist. Prof. Dr. Salih Gencer | 2 | 0 |
| **TOTAL** | **9** | **2** |
|  | **Total Number of Suggested Projects** | **Total Number of Open Positions** |
| **39** | **17** |

**Current Status**

**Number of Students Expected to Enroll for MBG 493 : 38**

**Max. Number of Students That Can Apply for Projects Outside the Department : 11**

**Number of Students Currently Listed in a Project : 21**

**Projects with Open Positions**

**From Department of Molecular Biology And Genetics (English)**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Faculty Member** | **Project Title** | **Project Type** | **Quota** | **Prerequisite** |
|
| Prof. Dr. Muhsin Konuk | To Be Arranged | To Be Arranged | 6 | MBG EN |
| Prof. Dr. Tunç Çatal | Removal of heavy metals from wastewaters using microorganisms | Review /Experimental | 1 | MBG EN |
| Recent advances in anaerobic digestion technology | Review | 1 | MBG EN |
| Microbial biosensors | Review /Experimental | 1 | MBG EN |
| [Apoptotic effects of antioxidant compounds on human cells](https://www.ncbi.nlm.nih.gov/pubmed/29142424) lines | Experimental | 1 | MBG EN |
| Synergistic effects of antioxidant compounds in apoptosis | Experimental | 1 | MBG EN |
| Assist. Prof. Dr. Shirin Tarbiat | Lipids in psychiatric disorders and preventive medicine | Review | 1 | MBG EN |
| Effects of medium and long chain saturated fatty acids on blood lipid profile | Review | 1 | MBG EN |
| Brown adipose tıssue and lipid metabolism | Review | 1 | MBG EN |
| Apo lipoprotein A5 in controlling lipoprotein metabolism | Review | 1 | MBG EN |
| Nonsteroidal anti-inflammatory drugs and selective  cyclo-oxygenase-2 inhibitors | Review | 1 | MBG EN |

**Assigned Projects**

**From Department of Molecular Biology And Genetics (English)**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Faculty Member** | **Project Title** | **Project Type** | **Pre-matches** | |
| **Students** | **Department** |
| Prof. Dr. Muhsin Konuk | To Be Arranged (Co-supervisor : Assoc. Dr. Korkut Ulucan) | To Be Arranged | Aleyna Tanrıverdi | MBG EN |
| Prof. Dr. Tunç Çatal | Hydrogen production by algae | Review | Havva Betül İstanbullu | MBG EN |
| To Be Arranged | To Be Arranged | Kübra Kara | MBG EN |
| Assist. Prof. Dr. Pınar Öz | Biomarkers of adult neurogenesis | Experimental | Furkan Hoşer | MBG EN |
| Doublecortin in the mammalian brain : Distribution and Characteristics | Experimental | Merve Yılmaz | MBG EN |
| Computational models of adult neurogenesis | Experimental | Betül Yücel | MBG EN |
| Sleep deprivation and neuroimmunology | Experimental | Bengisan Divrik | MBG EN |
| In vitro models of adult neurogenesis | Experimental | Esra Yıldırım | MBG EN |
| Stress granules in neurological disorders | Review | Muhammet M. Öztürk | MBG EN |
| Sleep Neurochemistry | Review | Hilal Taşkıran | MBG EN |
| Assist. Prof. Dr. Shirin Tarbiat | Phytochemical importance of medicinal plants in Neurodegenerative disease | Review | Melike Aydoğan | MBG EN |
| Oxidative stress and antioxidant from natural sources | Review | Nisa Çalık | MBG EN |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Faculty Member** | **Project Title** | **Project Type** | **Pre-matches** | |
| **Students** | **Department** |
| Assist. Prof. Dr. Ahmet Can Timuçin | Peptide Design for Distrupting Protein-Protein Interactions | Experimental | Beyzanur Sözer | MBG (Eng) |
| Beyza Kinsiz | MBG (Eng) |
| Rukiye Çom | MBG (Eng) |
| Seval Kübra Korkunç | MBG (Eng) |
| Fatıma Hacer Kurtoğlu | MBG (Eng) |
| Ebru Yıldız | MBG (Eng) |
| Assist. Prof. Dr. Kaan Yılancıoğlu | Possible cognitive and physiological problems for *Homo Sapiens* from an evolutionary biology perspective | Review | Kübra Bingül | MBG EN |
| Assist. Prof. Dr. Salih Gencer | Primary Cilia in Cancer | Review | Demet Kılınç | MBG EN |
| Hüsra Tekin | MBG EN |

**From Other Departments**