**Moleküler Biyoloji ve Genetik (İngilizce) Bölümü Proje Önerileri ve Öğrenci Eşleştirmeleri**

MBG 494 Graduation Thesis dersini (veya ilgili bölüm eşdeğer dersini) alacak olup henüz bir proje ve danışmanı olmayan öğrenciler, aşağıdaki listede verilen ve açık kotası bulunan projelerden birini seçerek öneriyi yapan öğretim üyesi ile görüşebilirler. Eğer bir koşul belirtildiyse, öğrencilerin seçimlerinde bu koşulu dikkate almaları gerekmektedir. Kabul edilen öğrencilerle birlikte son eşleşme listesi 23.02.2018 tarihinde açıklanacaktır.

**Doç. Dr. Tunç Çatal**

**(Bölüm içi öğrenciye özel kota : 2)**

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| Project Topic | **Type** | **Language** | **Quota** | **Open Quota** | **Eligible Departments** | **Conditions** | **Accepted Students** |
| The effects of an antibiotic on psychosis induced by sleep deprivation model in rats (*Rattus norvegicus*) | Experimental | ENG | 1 | 0 | MBG ENG | - | Gözde Karakadıoğlu |
| Isolation and molecular characterization of a novel microalgae for industrial applications | Experimental | ENG | 1 | 0 | MBG ENG | - | Şehnaz Yavaşer |
| Cytotoxic effects of a novel microalgae isolate | Experimental | ENG | 1 | 0 | Bioengineering | - | Rümeysa Cebecioğlu |
| Media optimization for *Bacillus sp.:* A pilot study | Experimental | ENG | 1 | 0 | MBG TR | - | Betül Zehra Karakuş |
| Isolation and molecular characterization of *Bacillus* sp. for amylase production | Experimental | ENG | 1 | 0 | MBG TR | - | Kübra Demirci |
| Reverse metabolic engineering of *Bacillus* sp. for the production of thermo-stable amylase | Experimental | ENG | 1 | 0 | Bioengineering | - | İlknur Korkmaz |
| Media optimization of cellulase production by white-rot fungi | Experimental | ENG | 1 | 0 | Bioengineering | - | Nazan Taş Öngel |
| Isolation and molecular identification of a novel cellulase-producer fungi | Experimental | ENG | 1 | 0 | Bioengineering | - | Dilan Akagündüz |
| **TOTAL NUMBER OF STUDENTS (OPEN / TOTAL QUOTA)** | | | | | | | 0 / 8 |

**Yrd. Doç. Dr. Pınar Öz**

**(Bölüm içi öğrenciye özel kota : 9)**

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| **Project Topic** | **Type** | **Language** | **Quota** | **Open Quota** | **Eligible Departments** | **Conditions** | **Accepted Students** |
| Modulation of neural progenitor cell differentiation by physical environment | Experimental | EN /TR | 1 | 0 | MBG TR | - | Efe Cuma Yavuzsoy |
| Epigenetic regulation of prepulse inhibition response in rats | Experimental | EN | 1 | 0 | MBG EN | - | Ümmügülsüm Mirzanlı |
| Modulation of OX1R and OX2R activity on a rat model of prepulse inhibition impairment | Experimental | EN | 2 | 0 | MBG EN | - | Fatmanur Akpunar |
| Çağla Tufanç |
| Cytoskeletal modulation of neural function | Review | EN | 1 | 0 | MBG EN | - | Fırat Altuntaş |
| The effect of phytohormones on depression | Experimental | EN | 1 | 0 | MBG EN | - | Şeyma Tomete |
| EN /TR | 1 | 0 | MBG TR | - | Nida Dereli |
| Axon initial segment structure, function, development and plasticity | Review | EN | 1 | 0 | MBG EN | - | Büşra Çetin |
| The effect of antibiotics on depression | Review | EN | 1 | 0 | MBG EN | - | Bilge Ünal |
| Adult neurogenesis and pyramidal neuron development in the mammalian brain | Review | EN | 1 | 0 | MBG EN | - | Gamzegül Çavuş |
| Two-dimensional and three-dimensional hydrogel scaffold design for neural stem cell cultures | Review | EN | 1 | 0 | BM | - | Nurdan Çam |
|  |  |  |  |  |  |  | Nazenin AKIN |
| **TOTAL NUMBER OF STUDENTS (OPEN / TOTAL QUOTA)** | | | | | | | **0/11** |

**Yrd. Doç. Dr. Shirin Tarbiat**

**(Bölüm içi öğrenciye özel kota : 8)**

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| **Project Topic** | **Type** | **Language** | **Quota** | **Open Quota** | **Eligible Departments** | **Conditions** | **Accepted Students** |
| Peroxisome proliferator-activated receptor structures and mechanism | Review | EN | 1 | 0 | MBG EN | - | - |
| Rol of PPAR in neurodegenerative diseases | Review | EN | 1 | 0 | MBG EN | - | - |
| Rol of PPAR in Obesity | Review | EN | 1 | 0 | MBG EN | - | - |
| LXR regulation of brain cholestrol | Review | EN | 1 | 0 | MBG EN | - | - |
| Rol of PPAR and RXR in cardiovascular disease | Review | EN | 1 | 0 | MBG EN | - | - |
| PPAR alpha and dislipidemia | Review | EN | 1 | 0 | MBG EN | - | - |
| LXR as therapeutic targets in dyslipidemia | Review | EN | 1 | 0 | MBG EN | - | - |
| Role of the peroxisome proliferator-activated receptors (PPAR)-α, β/δ and γ triad in regulation of reactive oxygen species signaling in brain | Review | EN | 1 | 0 | MBG EN | - | - |
| **TOTAL NUMBER OF STUDENTS (OPEN / TOTAL QUOTA)** | | | | | | | **8 / 8** |

**Bölüm Dışı Öğretim Üyeleri**

**Proje Önerileri ve Öğrenci Eşleştirmeleri**

**Yrd. Doç. Dr. Ahmet Can Timuçin (Kimya – Biyoloji Mühendisliği)**

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| **Project Topic** | **Type** | **Language** | **Quota** | **Open Quota** | **Eligible Departments** | **Conditions** | **Accepted Students** |
| Computational Peptide Based Drug Design and Analysis | Experimental | EN | 1 | 1 | MBG EN | Experience in molecular biology related computational tools | YONCA ÖZTÜRK |
| Computational Peptide Based Drug Design and Analysis | Experimental | EN | 1 | 1 | MBG EN | To be able to search and find information in scientific papers and databases | SİNEM SELVİ |
| Natural inhibitors of BACH1/BACH2 Transcriptional Repressor | Review | EN | 1 | 1 | MBG EN | Experience in molecular biology related computational tools | RANA NUR AYTUN |
| Natural inhibitors of BACH1/BACH2 Transcriptional Repressor | Review | EN | 1 | 1 | MBG EN | To be able to search and find information in scientific papers and databases | BÜŞRA AKBAL |
| The evolution of the CoiA protein and its role in the genetic recombination | Review | EN | 1 | 1 | MBG EN | N/A | FERAS BARAKAT |
| Design of a dimerization inhibitor peptide for NFAT5 | Experimental | EN | 1 | 1 | MBG EN | N/A | Sümeyye Can |
| |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | | **Project Topic** | **Type** | **Language** | **Quota** | **Open Quota** | **Eligible Departments** | **Conditions** | **Accepted Students** | | Biomimetic Chemistry and Synthetic Biology | Review | EN | 1 | 0 | MBG EN | - | Nurdan Çam | | 1 | 1 | MBG EN | - | - | | **TOTAL NUMBER OF STUDENTS (OPEN / TOTAL QUOTA)** | | | | | | | **1 / 2** |   **TOTAL NUMBER OF STUDENTS (OPEN / TOTAL QUOTA)** | | | | | | | **4 / 4** |

**Yrd. Doç. Dr. Zeynep Kanlıdere (Kimya – Biyoloji Mühendisliği)**