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| Конырбаева Динара  | - | Ticket 1  | - | - | 0 |  |
| Өндіріс Бағжан   2 |  | - | Ticket 2 | - | - | 0 |  |
| Рамазанова Жанел   |  | - | Ticket 2 | - | - | 0 |  |
| Тұрғанбай Сымбат  |  |  |  | Ticket 4 |  |  |  |  |  |  |  |  |

**Ticket 1**

1. Basic principles of differential Centrifugation
2. Describe method of protein purification by precipitation
3. Describe staining methods to detect and analyze proteins

**Ticket 2**

1. Analyze the properties of detergents and their using for membrane proteins
2. Show method of gel filtration chromatography
3. Show methods of nucleic acid (DNA) isolation

**Ticket 3**

1. Present biophysical methods in cell study
2. Describe ion exchange chromatography method
3. Show methods of nucleic acid (DNA) analysis

**Ticket 4**

1. Characterize Development of methods for cell disruption
2. Determine mass spectrometric analysis of proteins
3. Present using gel electrophoresis to separate and analyze the nucleic acids