

Chemistry 676: Neurochemistry

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| Instructor: | Dr. Kelly Drew |
| Office/office hrs: | Murie 223F, MWF 10-12:00 |
| Telephone: | 474- |

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| | <p>¾ Basic neurochemical anatomy of transmitter systems ¾ Neuromodulation via astrocytes</p> <p>(Homework) Students will be guided by the instructor through critical evaluation of peer-reviewed papers to achieve the following objectives:</p> <ul style="list-style-type: none"> ‡ Apply knowledge of neurochemical transmission to interpretation of peer reviewed papers. ‡ Apply knowledge of neurochemistry and experimental design to critically evaluate original research papers and literature reviews. ‡ Develop critical thinking skills and oral and written communication styles to <p>‡ Know how to prepare comments for authors to be submitted in response to an invitation by a journal editor to review a manuscript.</p> <p>(Group project assignment) Students will gain practice with oral presentations of original research towards the following objectives:</p> <ul style="list-style-type: none"> ‡ Become familiar with original literature related to a topic of interest in neurochemistry ‡ Develop effective techniques for oral presentation of original research ‡ Develop effective techniques for optimizing positive group dynamics and productivity as a team player and as a group leader. <p>Total points is calculated from the average of all presentations. Each group will give as many presentations as there are members in the group. Although we try for 3 people per group, sometimes 3 does not divide into class number evenly and we end up with 4/group. Sometimes a group member will drop the class before the end of the semester. Groups may give more presentations than members, but all groups must give at least as many presentations as group members.</p> |
| <p>Instructional Methods Text:</p> | <p>Instructional methods will consist of about 40% traditional lecture on material from the text book and 60% discussion and interpretation of peer-reviewed literature. Basic Neurochemistry: Molecular, Cellular and Medical Aspects by</p> |

