

MBMG 521 Molecular Genetics and Genetic Engineering Seminar I

Semester 1, academic year 2021

(1 credit)

Expected learning outcome:

1. Students develop necessary skills in reading, interpreting, and giving a scientific presentation of original research articles.
2. Students become willing to learn new current researches in molecular genetics, genetic engineering, and related disciplines.
3. Students are able to participate in scientific discussions and summarize the content of a seminar presentation.

Format:

1. Students who register for seminar I (MBMG 521) will present at least 2 current research articles (within 5 years) that have an impact factor (>3.0) and are related to their thesis topic.
2. Students will give a presentation for 20 minutes, followed by answering questions from the floor for approximately 15 minutes.
3. Students should discuss the topic of the presentation with his/her advisor and send the title of the presentation together with the information of two selected publications to the course coordinator, at least 2 weeks before the presentation date.
4. Students are required to submit **the abstract** (200-250 words) to the course coordinator 1 week before the presentation date.

Evaluation:

1. *Presentation (75%):*
 - 1.1 Abstract (5%)
 - 1.2 Seminar content and organization of the talk (30%)
 - 1.3 Presentation techniques (20%): slide quality, ability to communicate in English, etc.
 - 1.4 Answering questions (20%)
2. *Performance throughout the course (25%)*
 - 2.1 Attending the class (10%)
 - 2.2 Asking questions (5 questions, 15%)

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Seminar I schedule
Semester 1/2021
Online via Webex

Date	Time	Topic	Presenter
MBMG 521			
November 19 th	9:30-10:20	Development of rapid antibiotic susceptibility testing methods for bacterial pathogens via microscopy.	Mr. Rubsadej Suwansaeng
	10:20-11:10	A comparative interaction and structural analysis for inhibitor discovery against SARS-CoV-2 main protease.	Miss Runchana Rungruangmaitree
	11:10-12:00	Intracellular mechanism underlying intoxication of nematodes induced by <i>Bacillus thuringiensis</i> .	Mr. Pasin Jammor
November 26 th	9:30-10:20	Liquid–Liquid phase separation (LLPS) of SARS-CoV-2 nucleocapsid with viral genomic RNA.	Miss Nattaporn Sripairoj
	10:20-11:10	Cat-allergic Immunotherapy: a role of neutralising antibody.	Miss Samita Boonpitak
	11:10-12:00	Engineered gastrobodies for targeting to TcdB from <i>Crostitidium difficile</i> .	Miss Treechada malayaporn