

## **MBMG 522 Molecular Genetics and Genetic Engineering Seminar II**

Semester 2, Academic year 2018

(1 credit)

**Objectives:** This course is designed to:

1. teach skills which will help students learn how to give a scientific presentation that is related to their thesis research.
2. encourage the students to become familiar with current research in molecular genetics, genetic engineering and related disciplines.
3. teach students to be able to participate in scientific discussions and summarize the content of a seminar presentation.

**Format:**

1. Students will be giving seminar based on their thesis research including rationale and research questions; results obtained from student's research; comparative discussion with previous studies in related topics; ethics in research citation.
2. Presentation will be performed to an audience for approximately 30-40 minutes, follow by answering questions from the floor for approximately 15-20 minutes.
3. Students are required to **write an abstract (not more than 250 words)** and submit to the course coordinator 1 week before the presentation date.
4. After the presentation, every student will be asked question(s) related to the presentation.
5. Students who miss the deadline for each category will be subjected to a penalty.

**Evaluation:**

*1. Presentation (80%):*

Seminar content and scientific merit (40%):

Introduction:

- Defines background and importance of research.
- States objective, and is able to identify relevant questions.

Body:

- Presenter has a scientifically valid argument.
- Addresses audience at an appropriate level (rigorous, but generally understandable to a scientifically-minded group).
- Offers evidence of proof/disproof.
- Describes methodology.
- The talk is logical.

Conclusion:

- Summarizes major points of talk.
- Summarizes potential weaknesses (if any) in findings.
- Provides you with a "take-home" message.

Presentation techniques, slide/transparency quality, ability to use English (20%):

- Graphs/figures are clear, understandable and not distracting.
- The text is readable and clear.
- Appropriate referencing of data
- Speaks clearly and at an understandable pace.
- Maintains eye contact with audience.
- Well rehearsed (either extemporaneous or scripted presentation).
- Speaker uses body language appropriately.
- Speaker is dressed appropriately.
- Speaker is within time limits.

Answering questions (20%):

- Speaker is able to answer questions.

*2. Performance throughout the course (20%)*

- Writing abstract for the presentation (5%)
- Participation actively in the class (15%):
  - asking questions (minimum 5 questions) (15%),
  - punctuality, attending the class, etc.

Course coordinators: Assoc. Prof. Kanokporn Triwitayakorn  
(Kanokporn.tri@mahidol.ac.th, ext. 1368)

**Title** \_\_ (Font Time New Roman, size 16, bold) \_\_\_\_\_

Date: \_\_\_\_\_ Time: \_\_\_\_\_ (Font Times, size 16 unbold) \_\_\_\_\_

Speaker: \_\_\_\_\_ (Font Times, size 16 unbold) \_\_\_\_\_

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**Abstract (Font Times, size 14, bold)**

Text-----Font Times, size 12 unbold, 1.5 line spacing

Only 1 page (about 250 words)

Content in abstract should include short background, purpose of the study, short experimental design (if necessary), results and short summary.

References (2-3 major references) can be included.

**Due date: A week before the presentation date.**

Seminar schedule (MBMG + MBSB)  
Semester 2/2018

<b>Date</b>	<b>Time</b>	<b>Topic</b>	<b>Presenter</b>	<b>Room</b>
April 5 <sup>th</sup>	10:00-11:30	Giving Research Presentations	Dr. Sirirat Kumarn	A107
April 12 <sup>th</sup>		----- S O N G K R A N H O L I D A Y S -----		
April 19 <sup>th</sup>	10:00-11:00	Metabolomics and Systems Biology for the Development of Human Vaccines (Joint MB Seminar-ICBS Colloquium)	Dr. Sakda Khoomrung	<b>A108</b>
<b><u>MBMG 522 Molecular Genetics and Genetic Engineering Seminar II</u></b>				
<b>April 25<sup>th</sup> (Thu)</b>	<b>10:00-11:30</b>	<b>MSc. Student Presentations</b>		<b>A107</b>
	10:00-10:45	- Proteomic Analysis of Cassava in Response to Cassava Bacterial Blight Infection	Chotiros Phaisomboon	
	10.:45-11.30	- Binary Toxin and Parasporin-2: Interactions and Specificity Towards Mosquito Larvae and Cancer Cells	Shalini Abeysinghe	
<b>May 3<sup>rd</sup></b>	<b>10:00-11:30</b>	<b>MSc. Student Presentations</b>		<b>A108</b>
	10:00-10:45	-Analysis of Zika Virus NS4A and NS4B Interacting Proteins	Alliya Somnus	
	10.:45-11.30	-Evaluation of Baicalein as an Anti-Zika Virus Antiviral Agent	Suteema Sawadpongpan	
<b>May 10<sup>th</sup></b>	<b>10:00-11:30</b>	<b>MSc. Student Presentations</b>		<b>A107</b>
	10:00-10:45	- Analysis of Antiflaviviral Activity of Kaempferol	Chit Care	
	10.:45-11.30	- Screening of Inhibitor Against Dengue NS5 RNA Polymerase	Lakkana Thaveepornkul	
<b>May 17<sup>th</sup></b>	<b>10:00-11:30</b>	<b>MSc. Student Presentations</b>		<b>A107</b>
	10:00-10:45	- Interactome Analysis of Host-dengue Virus via Mass Spectrometry	Jakkrit Jantiya	
	10.:45-11.30	- Investigation of Host-viral RNA Interaction via RNA Biosensor	Chutima Chokesaksrikul	
May 24 <sup>th</sup>	<b>9:00-10:00</b>	TBA	Dede Abdulrachman	A107
	10:00-11:00	TBA	Suwipa Ramphan	A107
	11:00-12:00	TBA	Janejira Jaratsittisin	A107
<b>May 30<sup>th</sup> (Thu)</b>	10:00-11:00	TBA	Donny Nauphar	A107
	11:00-12:00	PhD student presentation (MBSB)		A107