MBMG 521 Molecular Genetics and Genetic Engineering Seminar I/2019

Semester 1, academic year 2019

(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 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 **with the signature of the advisor** 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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Title _____(Font Time New Roman, size 16, bold)_____

Date: _____ Time: _____(Font Times, size 16 unbold)_____

Speaker: _____(Font Times, size 16 unbold)_____

Abstract (Font Times, size 14, bold)

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

Only 1 page (not more than 250 words)

Content in abstract should include background, purpose of the study, experimental design, results and conclusion and/or prospective.

References: 2-3 major references

Due date: A week before the presentation date.

MGGE 521 Seminar I Evaluation Sheet

Date: _____ ***Student name:*** _____

Evaluator name: _____

1	2	3	4	5
Unsatisfactory Needs significant improvement	**Needs improvement**	**Average**	**Above average**	**Excellent**

Abstract (5%)

Included all information of Background, Methods, Results, and Conclusions → **1 • 2 • 3 • 4 • 5**

English grammar and spelling were properly used → **1 • 2 • 3 • 4 • 5**

Seminar content (40%)

– *Introduction*

Described the importance of the problem/topic → **1 • 2 • 3 • 4 • 5**

Provided sufficient background information → **1 • 2 • 3 • 4 • 5**

The research question/hypothesis and objectives were described clearly → **1 • 2 • 3 • 4 • 5**

– *Methods*

The rationale for each experiment was explained → **1 • 2 • 3 • 4 • 5**

Key techniques used were described → **1 • 2 • 3 • 4 • 5**

– *Results*

Key results were clearly described with adequate supporting data → **1 • 2 • 3 • 4 • 5**

Speaker gave critical analysis and interpretation of results → **1 • 2 • 3 • 4 • 5**

– *Discussion and conclusions*

The main finding/points were summarized → **1 • 2 • 3 • 4 • 5**

Discussed about significance of the work and direction of further research → **1 • 2 • 3 • 4 • 5**

– *Overall*

Two or more presented papers were well combined to a single story → **1 • 2 • 3 • 4 • 5**

Choice of the papers → **1 • 2 • 3 • 4 • 5**

Presentation techniques (10%)

Slides were clear and easy to follow (fonts, charts, images, and page number) → **1 • 2 • 3 • 4 • 5**

Each slide had appropriate amount of information and was easily understood → **1 • 2 • 3 • 4 • 5**

The number of the slides and time devoted to each slide was appropriate → **1 • 2 • 3 • 4 • 5**

The transitions between slides were clear → **1 • 2 • 3 • 4 • 5**

English speaking was natural and comprehensible → **1 • 2 • 3 • 4 • 5**

Answering questions from the audience (20%)

Gave clear, concise, logical answers → **1 • 2 • 3 • 4 • 5**

Demonstrated knowledge about basic principles, ideas, and concepts → **1 • 2 • 3 • 4 • 5**

Displayed in-depth understanding of the topic → **1 • 2 • 3 • 4 • 5**

Gave suggestions if not sure of an answer → **1 • 2 • 3 • 4 • 5**

Comment:

_____

_____

Seminar schedule (MBMG + MBSB)

Semester 1/2019

Room A107

Date	Time	Topic	Presenter
October 11th	10:00-12:00	Brain regulation of glucose homeostasis during cold exposure	Dr. Kenjiro Muta
MBMG 521			
November 1st	10:00-10:50	DENV2 NS5 is a promising antigen for detention of dengue	Isara Nachampa
	10:50-11:40	Linker domain of Dengue virus is essential for compactness and function for NS5	Patchareebhorn Petcharat
November 8th	9:30-10:20		Patcharaporn Ruamwong
	10:20-11:10		Melanie Lim Boon Jin
	11:10-12:00		Iyacoob Khunsri
November 15th	10:00-10:50		Oradee Khammaneejan
	10:50-11:40		Diksha Pokhrel
MBSB 511			
November 22nd	10:00-11:00		Napassorn Poolsawat
	11:00-12:00		Nitipon Srionrod
MBMG 621			
November 29th	10:00-11:00		Sathapat Duangsopha
	11:00-12:00		Donny Nauphar