

M1 Histology Survey 2019. Open 7/12/19 to 8/4/19

Dear Medical Students,

Thank you in advance for providing valuable information through completion of this survey. This study, administered by Dr. Michael Hortsch, is for the purpose of gaining insight into and for improving histology education at the University of Michigan Medical School.

Histology, also called microanatomy, is a classic component of the preclinical curriculum at most U.S. medical schools, which is covered on Step 1 of the United States Medical Licensing Exam. With the introduction of a new pre-clinical medical curriculum at the UMMS histology education has changed and we would like to investigate how medical student have adapted to these changes. Aggregated results may also be published in an academic journal to inform other medical education programs.

Your responses are confidential. Please answer these questions to the best of your recollection. The survey data will be processed and analyzed to identify trends in responses and no name-linked reports will be prepared. Please be as honest and truthful as possible.

Two members of your class, Eric Wilson and Will Gribbin, are collaborators in this study. At no time will they have access to information that can be attributed to you or traced to your name. They will only have access to data from which all identifiers have been removed.

We will be raffling away **three \$70 cash prizes** to those who complete the survey by the end of August 4th. Additionally, if your class exceeds a 90% response rate, we will add **a fourth \$70 cash raffle prize**.

Thank you for your support.

Dr. Michael Hortsch (Coordinator of the M1 Histology Component),
With Eric Wilson and William Gribbin (UMMS Class of 2022)

This survey received a non-regulated status from the University of Michigan Medical IRB office (HUM00162947). If you have questions regarding the content of this survey, please contact Dr. Hortsch at hortsch@umich.edu.

Note: The survey should take approximately 10 to 12 minutes to complete. Both sections of the survey are included on this webpage.

Your unique name/UM email address, not your student ID number (this identifier will only be used to eliminate duplicate entries and to contact the raffle winners. It will not be used to link students to their responses) (required answer)

Section 1: Educational Background

Q1 Have you worked in a basic science research laboratory in the last 5 years? (required answer)

- Yes
- No

Q2 Are you in the University of Michigan MSTP program? (required answer)

- Yes
- No

Q3 Prior to entering medical school, did you have any exposure to histology or pathology (either through coursework or laboratory work)? (required answer)

- Yes
- No

Q4 How relevant do you think the M1 Histology content is to your future career as a physician? Please select the response that best reflects your own opinion at this time. (required answer)

- Not at all relevant to future career
- Of minor relevance to future career
- Moderately relevant to future career
- Quite relevant to future career
- Very relevant to future career

Q5 BEFORE M1 histology lessons started, I envisioned histology to be (required answer):

- Very Difficult
- Somewhat Difficult
- Neither Difficult nor Easy
- Somewhat Easy
- Very Easy

Q6 AFTER histology lessons finished, I find histology to be (required answer):

- Very Difficult
- Somewhat Difficult
- Neither Difficult Nor Easy
- Somewhat Easy
- Very Easy

Section 2: Study Habits for Histology and All Other Subjects

Some of the following questions ask about your AVERAGE use of a specified study resource followed by a question about the CHANGE IN YOUR USAGE RATE over the course of the academic year.

Some questions concern (a) HISTOLOGY and (b) ALL OTHER (e.g., biochemistry, physiology) aspects of the M1 year.

Q8 On average, how frequently did you use the following learning resources over the course of the academic year? (required answer)

	Never	Rarely	Moderately	Frequently	Always
Histology lectures attending in person	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Streaming histology lectures online	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
All other lectures attending in person	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Streaming all other lectures online	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

Q9 How did your use of the following resources CHANGE over the academic year? (If you did not use a resource, mark "No Change") (required answer)

	Decreased	No Change	Increased
Histology lectures attending in person	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Streaming histology lectures online	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
All other lectures attending in person	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Streaming all other lectures online	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

Q10 How often did you use each of the following supplementary histology learning resources? (required answer)

	Never	Rarely	Moderately	Frequently	Always
Dr. Christensen's Whiteboard Drawings	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Dr. Yamashita Summary Sheets	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Dr. Velkey's Labeled Micrographs	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Dr. Kim's Review and Look-A-Likes	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
<i>SecondLook</i> TM Review Resource	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Michigan Histology Website with virtual microscopy images	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Practice questions on Michigan Histology Website	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Histology Textbook/Atlas	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

Q11 Which Histology *SecondLook*TM format was your favorite, the one you used most? (select only one/the best answer) (required answer)

I never used the Histology *SecondLook*TM resource

The PowerPoint Histology *SecondLook* files from the Michigan Histology M+Box

The online web version of Histology *SecondLook*TM on the password-protected UM server.

The mobile Histology *SecondLook*TM app from the password-protected UM server.

Q12 If you did not use the SecondLook resource, please tell us why

Q13 How frequently did you use the following study habits (on average) over the course of the academic year? (required answer)

	Never	Rarely	Moderately	Frequently	Always
Study of histology by yourself	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Study of histology with others	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Study of all other subjects by yourself	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Study of all other subjects with others	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

Q14 How did your use of these study habits CHANGE over the course of the academic year? (If you did not use one of the study habits, mark "No Change") (required answer)

	Decreased	No Change	Increased
Study of histology by yourself	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Study of histology with others	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Study of all other subjects by yourself	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Study of all other subjects with others	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

Q15 ON AVERAGE for each histology lecture or histology laboratory subject, how many hours did you study (**excluding** time spent in lectures)? (required answer)

- <1 hour
- 1 to <3 hours
- 3 to <5 hours
- ≥5 hours

Q16 Over the course of the past academic year, how did the number of hours you studied per histology lecture subject CHANGE? (required answer)

- Decreased
- No Change
- Increased

Q17 How did you value histology points compared with point from other disciplines (e.g., physiology, anatomy, biochemistry) when aiming to pass a sequence? (required answer)

- Top priority
- Second priority
- Third priority
- Fourth priority
- Not a priority at all

Q18 In your opinion, should the didactic time dedicated to histology in the M1 year stay the same or be changed?

- Scheduled time dedicated to histology should decreased
- Scheduled time dedicated to histology should NOT change
- Scheduled time dedicated to histology should increased

Q19 Please tell us in a few words which aspect of histology teaching during the M1 year should change/be added/deleted and why.

Thank you once again for completing this survey. Please click the "SUBMIT" button below to log your responses, to automatically enter the raffle for a \$70 cash prize, and to exit the survey.