



LUDWIG-  
MAXIMILIANS-  
UNIVERSITÄT  
MÜNCHEN

FACULTY OF BIOLOGY  
TRANSCRIPT OF RECORDS – MASTER HUMAN BIOLOGY



Long Hin Tsang

Born on November 14, 1995 in Hong Kong

Student ID: 12155600

Munich, February 9, 2022

Program: Elite Master Program "Human Biology – Principles of Health and Disease"

Degree: Master of Science (120 ECTS Points)

Transcript of Records for the Elite Master's Program Human Biology – Principles of Health and Disease in accordance with the examination and study regulations of November 29, 2019.

List of Credit Courses	Semester	Grade	ECTS Points
<b>Module P 1: Laboratory Methods in Biomedical Sciences</b>		<b>1.35</b>	<b>6</b>
P 1.1 Practical course	WS 19/20	BE	(3)
P 1.2 Seminar	WS 19/20	BE	(3)
<b>Module P 2: Computational Biology</b>		<b>1.50</b>	<b>6</b>
P 2.1 Lecture	WS 19/20	BE	(3)
P 2.2 Practical course	WS 19/20	BE	(3)
<b>Module P 3: Bioluminescence</b>		<b>1.00</b>	<b>6</b>
P 3.1 Practical course	WS 19/20	BE	(3)
P 3.2 Seminar	WS 19/20	BE	(3)
<b>Module P 4: Model Organisms</b>		<b>1.15</b>	<b>6</b>
P 4.1 Practical course	WS 19/20	BE	(3)
P 4.2 Seminar	WS 19/20	BE	(3)
<b>Module P 5: Current Topics in Biomedical Research</b>		<b>1.65</b>	<b>6</b>
P 5.1 Lecture	WS 19/20	BE	(3)
P 5.2 Seminar	WS 19/20	BE	(3)
<b>Module P 6: Soft Skills I</b>		<b>BE</b>	<b>3</b>
P 6.1 Soft Skills 1: Image Analysis with Image J/Fiji and Python	SS 2020	BE	(3)
<b>Module WP 1: Cell Biology, Stem Cells and Epigenetics I</b>		<b>2.00</b>	<b>9</b>
WP 1.1 Lecture	SS 2020	BE	(3)
WP 1.2 Practical course	SS 2020	BE	(3)
WP 1.3 Seminar	SS 2020	BE	(3)
<b>Module WP 3: Cell Biology, Stem Cells and Epigenetics II</b>		<b>1.15</b>	<b>12</b>
WP 3.1 Research course: Analysis of LTR7 fusion genes & their expression in Human and Macaque	SS 2020	BE	(10)
WP 3.2 Accompanying seminar	SS 2020	BE	(2)
<b>Module WP 7: Advanced Methods in Biomedical Sciences I</b>		<b>BE</b>	<b>3</b>
WP 7.1 Practical course: Morphometrics	WS 19/20	BE	(3)
<b>Module WP 8: Advanced Methods in Biomedical Sciences II</b>		<b>BE</b>	<b>3</b>
WP 8.1 Practical course: Single cell analysis techniques in epigenetics research	WS 19/20	BE	(3)

<b>Module P 7: Soft Skills II</b>		<b>BE</b>	<b>6</b>
P 7.1 Soft Skills 2: Workshop Scientific writing: Bringing your text to life + Leading & Supervising in Science	WS 20/21	BE	(3)
P 7.2 Soft Skills 3: Pretty plots - Visualization of statistical data	SS 2020	BE	(3)
<b>Module WP 14: Neurosciences I</b>		<b>1.30</b>	<b>9</b>
WP 14.1 Lecture	WS 20/21	BE	(3)
WP 14.2 Practical course	WS 20/21	BE	(3)
WP 14.3 Seminar	WS 20/21	BE	(3)
<b>Module WP 17: Neurosciences II</b>		<b>1.30</b>	<b>12</b>
WP 17.1 Research course: Integration of spatial transcriptome and machine learning based image analysis	SS 2021	BE	(10)
WP 17.2 Accompanying seminar	SS 2021	BE	(2)
<b>Module WP 22: Current Publications on Special Research Topics in Biomedical Sciences</b>		<b>BE</b>	<b>3</b>
WP 22.1 Seminar: Current topics in statistical genomics	SS 2020	BE	(3)
<b>Module P 8: Interconnectedness in Biomedical Research</b>		<b>BE</b>	<b>3</b>
P 8.1 Biomedical colloquium	WS 21/22	BE	(1.5)
P 8.2 Biomedical research seminar	WS 21/21	BE	(1.5)
<b>Module P 9: Finale Module</b>		<b>1.00</b>	<b>27</b>
P 9.1 Master's thesis: Studying liver ductal cell heterogeneity using single cell approaches	WS 21/22	1.00	26
P 9.2 Disputation	WS 21/22	1.00	1
<b>Sum of credit points</b>			<b>120</b>
<b>All requirements for the Master's Degree in Human Biology were fulfilled on February 9, 2022 with a final grade of 1.27 – very good.</b>			

End of transcript

#### Additional courses

Workshop for eLearning Tutors	WS 19/20	1.00	3
German A2.2	WS 19/20	BE	3
Practical course: Image Analysis with ImageJ/Fiji and Python	SS 2020	1.00	3
Practical course and seminar: Applications of machine learning in biology	WS 20/21	1.15	6
Seminar: Animal regeneration	WS 20/21	BE	3
Seminar: Hot topics in cryo electron microscopy	WS 20/21	1.30	3
Workshop Challenging Careers Training	SS 2021	BE	1.5

(P) = compulsory module, (WP) = compulsory optional module, \* = transferred credits, (GP) = grade pending

One ECTS point (European Credit Transfer System) corresponds to a workload of 30 hours.

Grades on each piece of work are indicated as: 1 very good; 2 = good; 3 = satisfactory; 4 = sufficient; 5 = not sufficient. To guarantee a higher degree of differentiation, grades may be decreased or increased by 0.3. Grades of 0.7, 4.3, 4.7 and 5.3 are not possible. The final grade is indicated as: up to and including 1.5 = very good; from 1.51 up to and including 2.5 = good; from 2.51 up to and including 3.5 satisfactory and from 3.51 up to and including 4.0 = sufficient. BE = bestanden/passed.



Dr. Michael Bögle  
Director Registrar's Office  
Biology