## **S1 File: Undergraduate Student Survey**

NB This survey was administered online via <a href="www.surveymonkey.com">www.surveymonkey.com</a>, so the layout below does not match the online version. The text and order of questions is identical, with the exception of where institutional specific terms have been amended for a broader audience [indicated with italic text].

1: Which year of study are you in?	
2 <sup>nd</sup> year	3 <sup>rd</sup> year

2: Which subjects did you study for your 2 <sup>nd</sup> year?							
Animal Biology	Biochemistry	Cell and	Foology				
Allillal biology	ыоспеппату	Developmental Biology	Ecology				
Neurobiology	Pathology	Pharmacology	Physiology				
Plant and Microbial	Other [please specify]						
Sciences	Other [please specify]						

3: Which 3 <sup>rd</sup> year subject are you studying?								
I am a 2 <sup>nd</sup> year student	Biochemistry	Genetics	Neuroscience					
Pathology	Pharmacology	Physiology, Neuroscience and Development	Plant Sciences					
Zoology	Other [please specify]							

4: On average, how many PRIMARY RESEARCH papers do you read?								
Papers recommended by	None	One per	One per	One per	More than			
lecturers		term	lecture block	week	one per week			
Papers required for tutorial	None	One per	One per	One per	More than			
discussions		term	lecture block	week	one per week			
Papers recommended by	None	One per	One per	One per	More than			
tutors		term	lecture block	week	one per week			
Papers recommended by	None	One per	One per	One per	More than			
other students		term	lecture block	week	one per week			
Papers you have found	None	One per	One per	One per	More than			
yourself		term	lecture block	week	one per week			

5: On average, how many REVIEW papers do you read?								
Papers recommended by	None	One per	One per	One per	More than			
lecturers		term	lecture block	week	one per week			
Papers required for tutorial	None	One per	One per	One per	More than			
discussions		term	lecture block	week	one per week			
Papers recommended by	None	One per	One per	One per	More than			
tutors		term	lecture block	week	one per week			
Papers recommended by	None	One per	One per	One per	More than			
other students		term	lecture block	week	one per week			
Papers you have found	None	One per	One per	One per	More than			
yourself		term	lecture block	week	one per week			

6: When trying to finding a paper, which of the following tools do you use? Select all that apply.								
Google	Google Scholar	PubMed	Mendeley					
ScienceDirect	Web of Science	Scopus	Direct links to papers provided by others					
Direct links to papers obtained via social media (e.g. Twitter, Facebook)	Other (please specify)							

7: To what extent would you	7: To what extent would you agree with the following statements?							
I enjoy reading research	Strongly	Disagree	Disagree	Agree	Agree	Strongly		
papers	Disagree	Disagree	somewhat	somewhat	Agree	Agree		
I am confident in reading								
research papers without	Strongly	Disagroo	Disagree	Agree	Agroo	Strongly		
guidance (e.g. from	Disagree	Disagree	somewhat	somewhat	Agree	Agree		
supervisors)								
I know how to find research	Strongly	Disagroo	Disagree	Agree	Agroo	Strongly		
papers on a given topic	Disagree	Disagree	somewhat	somewhat	Agree	Agree		
I know how to read	Strongly		Disagree	Agree		Strongly		
research papers to extract		Disagree	somewhat	somewhat	Agree			
information efficiently	Disagree		Somewhat	Somewhat		Agree		
I know how to identify								
papers that are of critical	Strongly	Disagras	Disagree	Agree	A aroo	Strongly		
importance to the area I am	Disagree	Disagree	somewhat	somewhat	Agree	Agree		
investigating								

8: To what extent would you agree with the following statements?							
Reading research papers is	Strongly	Dicagroo	Disagree	Agree	Agroo	Strongly	
a good use of my time	Disagree	Disagree	somewhat	somewhat	Agree	Agree	
Reading research papers is	Strongly	Disagroo	Disagree	Agree	Agroo	Strongly	
frustrating	Disagree	Disagree	somewhat	somewhat	Agree	Agree	
Reading research papers is important for my general scientific training	Strongly Disagree	Disagree	Disagree somewhat	Agree somewhat	Agree	Strongly Agree	
Reading research papers is important for success in this years exams	Strongly Disagree	Disagree	Disagree somewhat	Agree somewhat	Agree	Strongly Agree	

9: To what extent would you agree with the following statements: I read PRIMARY RESEARCH papers to							
Broaden my knowledge	Strongly Disagree	Disagree	Disagree somewhat	Agree somewhat	Agree	Strongly Agree	
Understand the topic in more detail	Strongly Disagree	Disagree	Disagree somewhat	Agree somewhat	Agree	Strongly Agree	
Critically evaluate the data	Strongly Disagree	Disagree	Disagree somewhat	Agree somewhat	Agree	Strongly Agree	
Fill in gaps in understanding from the lectures	Strongly Disagree	Disagree	Disagree somewhat	Agree somewhat	Agree	Strongly Agree	
Find examples to include in exam answers	Strongly Disagree	Disagree	Disagree somewhat	Agree somewhat	Agree	Strongly Agree	
Understand the research methods used	Strongly Disagree	Disagree	Disagree somewhat	Agree somewhat	Agree	Strongly Agree	

Improve my scientific writing	Strongly Disagree	Disagree	Disagree somewhat	Agree somewhat	Agree	Strongly Agree
Other (please specify)						

10: To what extent would you agree with the following statements:						
I read REVIEW papers to						
Broaden my knowledge	Strongly	Disagree	Disagree	Agree	Agree	Strongly
	Disagree	Disagree	somewhat	somewhat	/ Igi CC	Agree
Understand the topic in	Strongly	Disagree	Disagree	Agree	Agree	Strongly
more detail	Disagree	Disagree	somewhat	somewhat	Agree	Agree
Critically evaluate the data	Strongly	Disagree	Disagree	Agree	Agree	Strongly
	Disagree	Disagree	somewhat	somewhat	Agree	Agree
Fill in gaps in understanding	Strongly	Disagree	Disagree	Agree	Agroo	Strongly
from the lectures	Disagree	Disagree	somewhat	somewhat	Agree	Agree
Find examples to include in	Strongly	Disagree	Disagree	Agree	Agree	Strongly
exam answers	Disagree	Disagree	somewhat	somewhat	Agree	Agree
Understand the research	Strongly	Disagroo	Disagree	Agree	Agroo	Strongly
methods used	Disagree	Disagree	somewhat	somewhat	Agree	Agree
Improve my scientific	Strongly	Disagree	Disagree	Agree	Agroo	Strongly
writing	Disagree	Disagree	somewhat	somewhat	Agree	Agree
Other (please specify)				_		

11: How easy do you usually find it to understand the following aspects of a research paper?						
Abstract	Very	Difficult	Somewhat	Somewhat	Facu	Very
	Difficult	Difficult	difficult	easy	Easy	Easy
Introduction	Very	Difficult	Somewhat	Somewhat	Facu	Very
	Difficult	difficult	easy	Easy	Easy	
Materials and Methods	Very	Difficult	Somewhat	Somewhat	Facu	Very
	Difficult	lt Difficult	difficult	easy	Easy	Easy
Results – Figures and Tables	Very	Difficult	Somewhat	Somewhat	Easy	Very
	Difficult	Difficult	difficult	easy		Easy
Results – Text based	Very	Difficult	Somewhat	Somewhat	Facy	Very
description	Difficult	Difficult	difficult	easy	Easy	Easy
Discussion	Very	Difficult	Somewhat	Somewhat	Facy	Very
	Difficult	Difficult	difficult	easy	Easy	Easy

12: How important do you think the following aspects of a research paper are for understanding it?						
Abstract	Very Unimportant	Unimportant	Somewhat unimportant	Somewhat important	Important	Very Important
Introduction	Very Unimportant	Unimportant	Somewhat unimportant	Somewhat important	Important	Very Important
Materials and Methods	Very Unimportant	Unimportant	Somewhat unimportant	Somewhat important	Important	Very Important
Results – Figures and Tables	Very Unimportant	Unimportant	Somewhat unimportant	Somewhat important	Important	Very Important
Results – Text based description	Very Unimportant	Unimportant	Somewhat unimportant	Somewhat important	Important	Very Important
Discussion	Very Unimportant	Unimportant	Somewhat unimportant	Somewhat important	Important	Very Important

	13: Please rank the following sections of research papers in the order of how easy you find them to					
	read. 1 = easiest, 6 = most difficult.					
Abstract	Introduction	Materials	Results – Figures	Results – Text	Discussion	
		and Methods	and Tables	based description		

14: Please rank the following sections of papers in the order of importance you think they are to					
understanding research papers. 1 = most important, 6 = least important.					
Abstract	Introduction	Materials	Results – Figures	Results – Text	Discussion
		and Methods	and Tables	based description	Discussion

[Teaching Questions not relevant to current manuscript have been omitted for clarity here]

15: I give my consent for my answers to this survey to be used in any publications resulting from this work		
Yes	No	