Cell Biology Qualifying Exam

Format of the oral exam:

- 1) Prior to the start of the exam, the committee may confer in private with the student temporarily out of the room. The committee may ask the thesis advisor, if present (see below), about the student's performance in lab work.
- 2) The student should list the literature topics broadly relevant to the research proposal, which were defined earlier by the student with the committee's approval. The oral exam begins with the student's presentation of the research proposal, which should be prepared to last no longer than about 20 minutes (~15 slides) although it may take longer if the committee interrupts with questions. The committee may ask questions about the proposal, the literature topics, and basic scientific concepts relevant to both, but the main emphasis of the questions should be to probe the student's ability for critical and analytical thinking (see the 7 specific areas of questioning on pages 2-3). The presentation and questions may take up to 2 hours.
- 3) At the end, the student is excused from the room (the thesis advisor must leave at this point). The committee discusses the student's performance and the chair fills out the attached report. The student returns to the room to be informed of the committee's evaluation and given an opportunity to ask questions. The committee chair is to email the completed form to lisa.crotty@yale.edu

Instructions to the committee chair:

- Moderate the exam so that it goes smoothly and efficiently. Remind the other committee members about the oral exam format, and the student to list the literature topics broadly relevant to the proposal (see 2 above). The committee should ask a broad range of questions to probe the student's ability for critical and analytical thinking (see the 7 specific areas of questioning on pages 2-3). and should not spend an undue amount of time on any particular question or topic.
- 2) Complete the attached report in consultation with the rest of the committee while the student is temporarily out of the room (the thesis advisor must leave at this point). The committee may give the student an overall evaluation of Pass or Fail, or may postpone its decision pending the student's fulfillment of an additional requirement (see page 3). The committee should be honest in its assessment and should make the student (and the DGS) aware of any problem that needs to be addressed. Have the student return to the room in order to be informed of the committee's evaluation, and given the opportunity to ask questions.
- 3) Give the form to the student who will return it to Lisa Crotty (lisa.crotty@yale.edu), the Cell Biology registrar. Copies will then be distributed to the student, the committee, the thesis advisor, and the DGS.

Role of thesis advisor:

The presence of the thesis advisor at the qualifying exam is optional. If present, the thesis advisor cannot answer questions for the student and must leave at the end of the question period before the committee begins to discuss its evaluation.

Cell Biology Qualifying Exam Committee Report								
Student's name:		Date of exam:						
Thesis advisor's na	ame:							
Committee member	rs present:							
Please evaluate the student's performance in each of the following areas by circling appropriate term. If appropriate, please provide specific comments, positive or negative,								
which could be hel	pful to the stude	nt.						
1. Quality of writter	n proposal:							
excellent	very good	good	fair	unacceptable				
Specific comments:	, 0	Ü		·				
2. Quality of oral p	resentation:							
excellent	very good	good	fair	unacceptable				
Specific comments:								
3. Justification for s	cientific importar	nce of problem:						
excellent	very good	good	fair	unacceptable				
Specific comments:								
4. Thinking critical	ly about the rese	earch project, se	eing "big pi	cture":				
excellent	very good	good	fair	unacceptable				
Specific comments:								
5. Understanding of	f techniques-med	chanisms, stren	gths and lir	mitations:				
excellent	very good	good	fair	unacceptable				
Specific comments:								
	ential problems, i	including reasor	ns why exper	iments or project might not				
work: excellent	very good	good	fair	unacceptable				
CACCHELIC	very good	good	IUII	anacceptable				

Specific comments:

Knowledge of the scientific literature and concepts directly and broadly relevant to the								
project:								
excellent	very good	good	fair	unacceptable				
Specific comn	nents:							
Please provio	de any additional comm	ents, positive a	nd/or negativ	e, that would be helpful to	the			
	overall evaluation {plea	se check):						
Pass								
Fail			•					
· · · · · · · · · · · · · · · · · · ·	sion pending one or mo Rewriting proposal	re of the follow	ing:					
	Retaking oral exam							
· 	Writing paper on specifi	c topic (please	specify lengt	h and topic below)				
	Other (please specify be		opcony long.	in and topic below,				
	- (1 1 7	,						
Please speci	ify timeframe for comple	etion of any add	litional work:					
Name of com	nmittee chair:,							
Signature of	committee chair:							
Signature Of	oominico onaii			<u></u>				