

Supplemental Digital Appendices

No.	Title	Page
1	Other Institutions' Grand Rounds for MD-PhD Students at the Interface of Basic Science and Clinical Medicine	2
2	MD-PhD/LHB Grand Rounds Student Survey, 2017	3
3	MD-PhD/LHB Grand Rounds Resident Survey, 2017	6
4	Selected Harvard Medical School/MIT MD-PhD Program and Brigham and Women's Hospital (BWH) Educational Initiatives for Physician-Scientist Trainees, Subsequent to Implementation of the MD-PhD/LHB Grand Rounds	10

Supplemental Digital Appendix 1

Other Institutions' Grand Rounds for MD-PhD Students at the Interface of Basic Science and Clinical Medicine

Institution	Program name	Website
University of Minnesota Medical School	MSTP Grand Rounds	https://www.med.umn.edu/education-training/medical-scientist-training-program-mdphd/events/grand-rounds
University of Iowa Carver College of Medicine	MSTP Grand Rounds	https://medicine.uiowa.edu/mstp/events/mstp-grand-rounds
Icahn School of Medicine at Mount Sinai	Medical Scientist Grand Rounds	https://icahn.mssm.edu/education/dual-specialty/md-phd/special
Perelman School of Medicine University of Pennsylvania	MSTP Grand Rounds	https://www.med.upenn.edu/mstp/monthly-events.html
Northwestern University Feinberg School of Medicine	MSTP Grand Rounds	https://www.feinberg.northwestern.edu/sites/mstp/curriculum/mstp-courses.html

Abbreviation: MSTP, medical scientist training program.

Supplemental Digital Appendix 2

MD-PhD/LHB Grand Rounds Student Survey, 2017

There are 12 questions and this survey should take approximately 5-10 minutes to complete.
Thank you for your time!

1. How many LHB-MSTP Grand Rounds Sessions do you attend per year?

0
1
2
3
4

2. What is your overall satisfaction with the sessions

very dissatisfied

1
2
3
4
5

very satisfied

3. What are your reasons for attending? (eg seeing classmates, clinical learning, research talk, interacting with residents, food, meeting physician scientist residents, discussant (Marshall Wolf), N/A) (free response)

Your answer

4. What are your reasons for not attending? (eg lack of interest in educational content, difficult travel to HMS, inconvenient timing, N/A) (free response)

Your answer

5. Do the Grand Rounds sessions give you adequate opportunity to meet residents or faculty?

very dissatisfied

- 1
- 2
- 3
- 4
- 5

very satisfied

6. Do grand rounds give you adequate opportunity to interact with senior clinical faculty?

very dissatisfied

- 1
- 2
- 3
- 4
- 5

very satisfied

7. What changes would encourage you to attend or increase your satisfaction? (free response)

Your answer

8. In regards to the clinical cases, please comment on whether the content is appropriately complex or overly simplistic?

overly simplistic

- 1
- 2
- 3
- 4
- 5

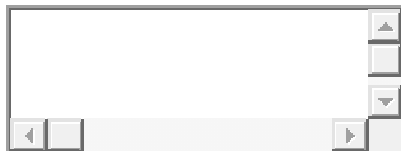
too challenging

9. In regards to the clinical cases, how can these be improved upon? (eg type of case selected, style of presentation, amount of directed teaching vs leaving the discussion open to the group) (free response)

Your answer

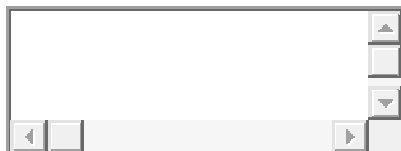
10. In regards to the student presentation, what do you find most beneficial about the presentation? (eg. hearing from another classmate, hearing triumphs or pitfalls that a given project may face etc) (free response)

Your answer



11. In regards to the student presentations, how can these be improved upon? (free response)

Your answer



12. Please let us know any overall thoughts that would make the MD-PhD/LHB Grand Rounds experience better for you. (free response)

Your answer



Supplemental Digital Appendix 3

MD-PhD/LHB Grand Rounds Resident Survey, 2017

What is your overall satisfaction with the MD/PhD-LHB Grand Rounds?

very dissatisfied

1
2
3
4
5

very satisfied

What are your reasons for presenting the clinical case at MD/PhD-LHB Grand Rounds? (choose all that apply)

practice giving presentation

enjoy teaching

interacting with and mentoring HMS MD/PhD and Leder PhD students

getting immersed in science again

seeing how clinical cases interact with scientific research

food

Other:

In regards to the clinical cases, how can these be improved upon?

Your answer

In regards to the student presentations, how can these be improved upon?

How well do you think your clinical presentation was received by the current MD/PhD students/graduate students?

very poorly

- 1
- 2
- 3
- 4
- 5

very positively

Did you feel that presenting for grand rounds was a worthwhile teaching experience for you?

not at all

- 1
- 2
- 3
- 4
- 5

very much so

What changes would improve the teaching/education experience for you?

Your answer

Feel free to elaborate on any of your answers:

Your answer

Did you find that MD/PhD grand rounds has enhanced your access or exposure to the research community at HMS during residency?

not at all

- 1
- 2
- 3
- 4
- 5

very much so

Did you find MD/PhD grand rounds to be helpful for networking with MD/PhD or PhD graduate students?

not at all

- 1
- 2
- 3
- 4
- 5

very much so

Have you been able to connect with and/or serve in a mentorship role to a HMS MD/PhD or graduate student through participation in MD/PhD Grand Rounds?

Yes

No

If yes, please briefly describe:

Your answer

What changes would improve the experience in interacting with students?

Your answer

Feel free to elaborate on any of your answers:

Your answer

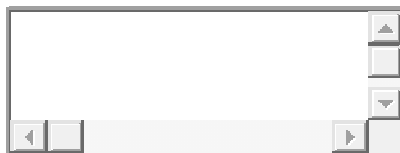
Did you have any formal interaction with MD/PhD residents while you were in medical school or graduate school?

Yes

No

If yes, please briefly describe:

Your answer



Did you have a program similar to the HMS MD/PhD grand rounds at your MD/PhD program?

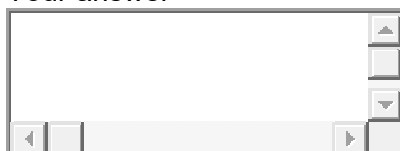
Yes

No



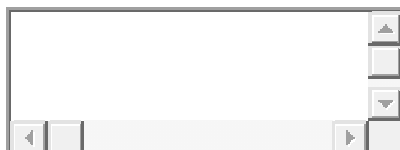
If yes, please briefly describe:

Your answer



What (if any) aspect of the HMS MD/PhD grand rounds would you have found helpful as an MD/PhD student?

Your answer



How do you feel HMS MD/PhD grand rounds can be improved to best serve students undergoing their MD/PhD training?

Your answer



Supplemental Digital Appendix 4

Selected Harvard Medical School/MIT MD-PhD Program and Brigham and Women's Hospital (BWH) Educational Initiatives for Physician-Scientist Trainees, Subsequent to Implementation of the MD-PhD/LHB Grand Rounds

Program	Description	Website
Clinical Reasoning Through CPCs	<ul style="list-style-type: none"> • Year-long course with weekly sessions. • Open to MD-PhD students and MD students doing additional research years. • Interactive discussion of NEJM cases, including differential diagnosis and management. 	http://www.hms.harvard.edu/md_phd/events/clinical_reasoning.html
Physical Exam Rounds at BWH	<ul style="list-style-type: none"> • Month-long course with weekly sessions. • The sessions include third year medical students and MD-PhD students during their PhD years. • Sessions are led by the BWH internal medicine residency program director. The group meets on the wards to discuss a focused clinical exam, then visits multiple inpatients with relevant physical exam findings. 	http://www.hms.harvard.edu/md_phd/events/physical_exam_rounds.html
Clinical Problem Solving in Medicine: Interactive Medicine Cases	<ul style="list-style-type: none"> • Monthly lunchtime sessions. • Open to MD-PhD students at all stages of training. • NEJM Interactive Medicine Cases are discussed in an interactive fashion, with a focus on building knowledge in all aspects of clinical medicine. 	http://www.hms.harvard.edu/md_phd/events/clinical_problem_solving.html
BWH Science in Residency	<ul style="list-style-type: none"> • Open to physician-scientist BWH internal medicine residents. • An integrated and multifaceted program to prepare residents for careers as physician-scientists. Program elements include extended elective blocks for research, mentoring, a research course for junior residents, and events including specialized physician-scientist noon conferences and an annual symposium. 	https://imacademics.brighamandwomens.org/science-in-residency/

Abbreviations: MIT, Massachusetts Institute of Technology; LHB, Leder Human Biology and Translational Medicine Program.