

Leverett Fall 2018 Introductory Pre-Med Meeting

Leverett House Resident Pre-Med Committee:

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Agenda



Introduction Overview



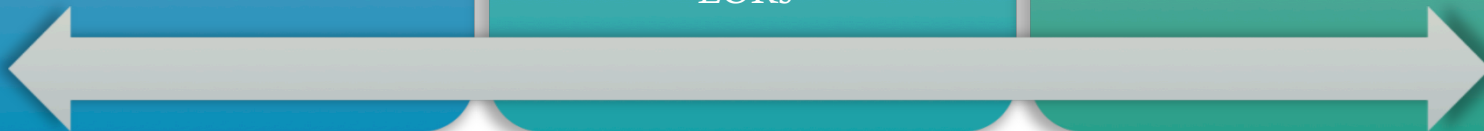
Premed Components

Course requirements
Research
Extracurriculars
MCAT
LORs



Application Process

NRT and RT roles
When to apply
Timeline



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Applying to Medical School

- ◆ Medical school admission is competitive: in 2016, 53,042 students applied and 21,030 were accepted (39.6%)
- ◆ Competitive medical schools have low acceptance rates. **Top 10 lowest acceptance rates in 2013 ranged from 1.6-3.8%**
- ◆ However, Harvard students traditionally do very well!
 - ◆ **96% of Harvard applicants with GPAs > 3.5 were accepted in 2013**, compared with **87%** of Harvard applicants overall and **44%** of national applicants
 - ◆ **Harvard students are accepted with lower science and overall GPAs** compared to their national counterparts (science **3.53** vs. **3.63**; overall **3.59** vs. **3.69** in 2013)
 - ◆ **Harvard science and non-science concentrators are accepted at similar rates** (science **85%**, non-science **86%** in 2013)

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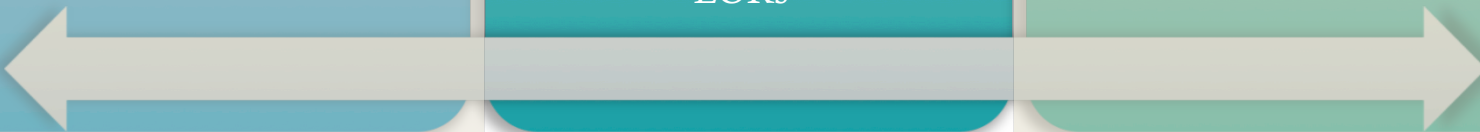
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Pre-Med Course Requirements

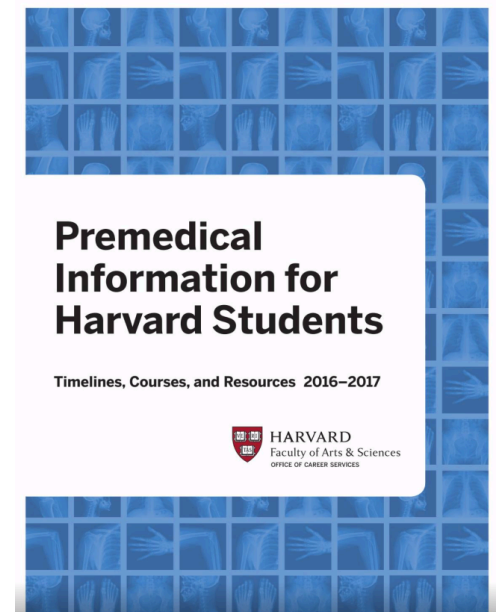
Pre-Med Course Requirements

- ◆ General Chemistry with lab (1 year)
- ◆ Organic Chemistry with lab (1 year)
- ◆ General Physics with lab (1 year)
- ◆ Biology with lab (1 year)
- ◆ English (1 year) (Expos + Gen Ed)
- ◆ Math (1 semester calculus*, 1 semester statistics*)
- ◆ Biochemistry (1 semester)*

* Required by many, but not all, medical schools

How do I know if I've fulfilled the course requirements?

1. OCS guide for Harvard premedical students:
<https://ocs.fas.harvard.edu/files/ocs/files/premed-academic-publication.pdf>
2. Leverett Premed Committee or your premed advisor: leverett.premed@gmail.com
3. OCS premed: premed@fas.harvard.edu



Sample Course Plans from Premed Guide

Three-Year Plan (applying to medical school after junior year):

	FALL	SPRING
FRESHMAN	Life Sciences 1a/ LPS A Math 1b	Physical Sciences 1/11 Stat 102
SOPHOMORE	Chemistry 17 OEB 10	Chemistry 27 Life Sciences 1b
JUNIOR	Physical Sciences 2	Physical Sciences 3

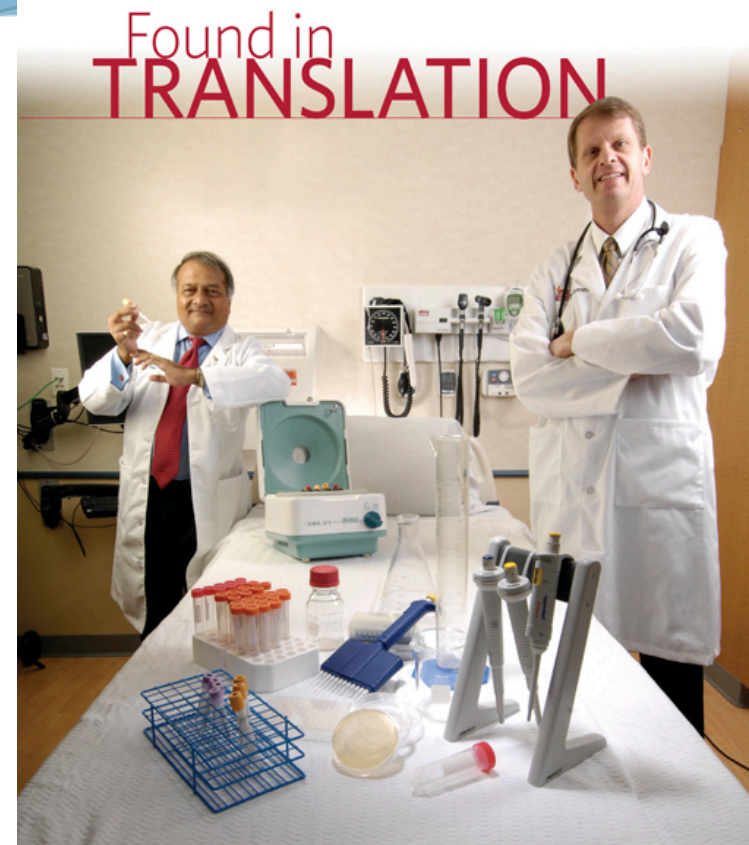
Four-Year Plan (applying to medical school after senior year):

	FALL	SPRING
FRESHMAN	Life Sciences 1a/LPS A Math 1a	Life Sciences 1b Math 1b
SOPHOMORE	Life Sciences 2	Physical Sciences 1/11 Stat 102
JUNIOR	Chemistry 17	Chemistry 27
SENIOR	Physical Sciences 2	Physical Sciences 3

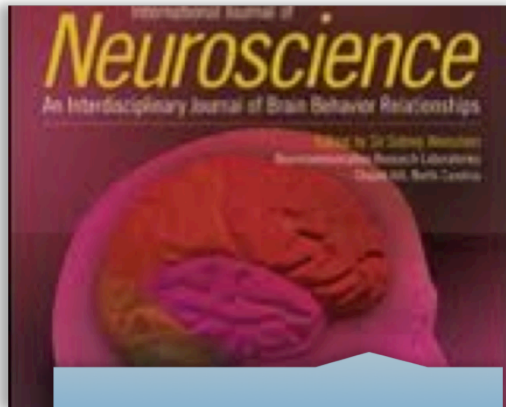
Research & Extracurriculars

Research Experience

- ◆ Not required but can significantly enhance your application
- ◆ Many different options
 - ◆ Basic vs. clinical
 - ◆ Science vs. non-science
- ◆ Significant time commitment
- ◆ Finding a lab: concentration advisors, OCS, lab websites



Extracurriculars



Student Groups



Community Service



Shadowing

Student Groups

- ◆ 100+ student organizations
- ◆ OSL list:
 - ◆ <http://osl.fas.harvard.edu/student-organizations>
- ◆ Longitudinal commitment of at least 1-2 years
- ◆ Pre-Med and non-Pre-Med options
- ◆ Leadership positions are important



Community Service

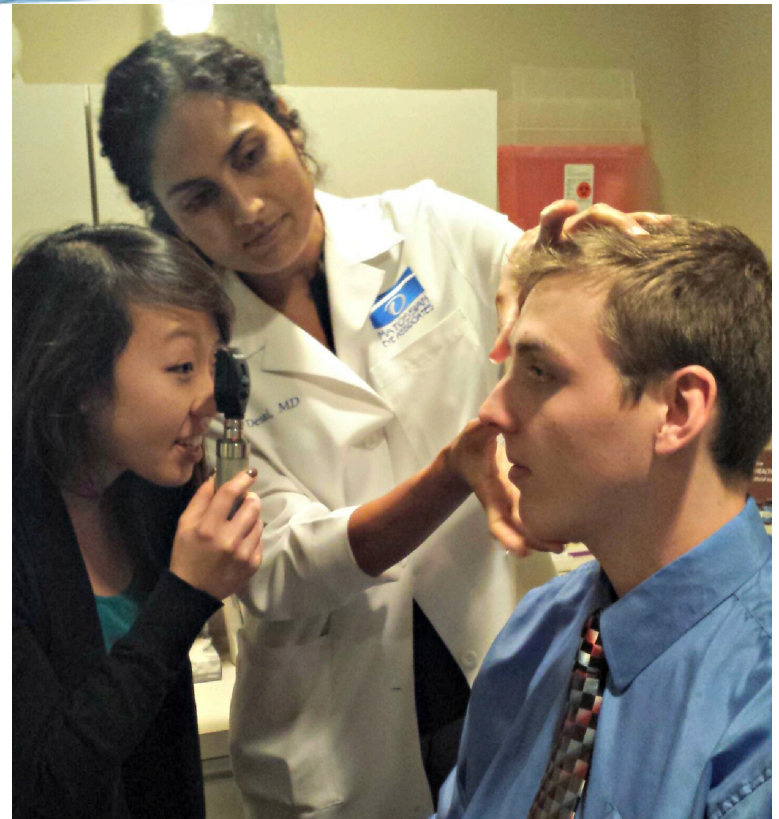
- ◆ Hospital volunteer programs
 - ◆ BIDMC, BWH, MGH, Mt. Auburn, BMC
- ◆ Healthcare-oriented student groups:
 - ◆ HealthLeads
 - ◆ Kidney disease screening
 - ◆ Alzheimer's buddies
 - ◆ MINHUET



By Frits Ahlefeldt

Shadowing

- ◆ Opportunity to observe physician in practice
- ◆ Recommend several sessions (6-10) over a summer or year
- ◆ Options for finding physicians:
 - ◆ HPS Mentoring Program:
<http://www.hcs.harvard.edu/~premed/programs.html>
 - ◆ Hospital volunteering programs
 - ◆ Contacting physicians through hospital website
 - ◆ Clinical research mentor



Clinical Experience

- ◆ Medical schools look for clinical experience in your application
- ◆ Evidence that you've experienced the field of medicine first-hand
- ◆ Can take multiple forms:
 - ◆ Physician shadowing
 - ◆ Health-related student groups
 - ◆ Clinical research
- ◆ List of clinical opportunities maintained by OCS:
<https://docs.google.com/spreadsheets/d/19ad94p-tGq5lLKyVpvqGAq1wGhd3J2PA77wPZR3dRS0/edit#gid=0>

MCAT

MCAT

▶ About the MCAT® Exam

Almost all U.S. medical schools and many Canadian medical schools require you to submit MCAT exam scores as part of your admission application.

The Medical College Admission Test® (MCAT®) is a standardized, multiple-choice examination designed to assess your problem solving, critical thinking, and knowledge of natural, behavioral, and social science concepts and principles prerequisite to the study of medicine.

<https://students-residents.aamc.org/applying-medical-school/taking-mcat-exam/about-mcat-exam/>

MCAT Content and Dates

- ◆ To prepare, recommend taking MCAT after finishing pre-med Bio, General Chemistry, and Organic Chemistry requirements
- ◆ Recommend an introductory psychology course such as **SLS 20, Sociology 10**, or any of the **Sociology 20** courses
- ◆ If you had a strong Physics background in high school (AP Physics), may not need to finish Physics series

MCAT ²⁰¹⁵	# of Test Items	Testing Time (minutes)
Biological & Biochemical Foundations of Living Systems	65	95
Chemical & Physical Foundations of Biological Systems	65	95
Lunch Break		
Critical Analysis & Reasoning Skills	60	90
Psychological, Social, & Biological Foundations of Behavior	65	95
Total Content Time		6 hours, 15 min

MCAT Dates

2019 Schedule for the Medical College Admission Test® (MCAT®)*

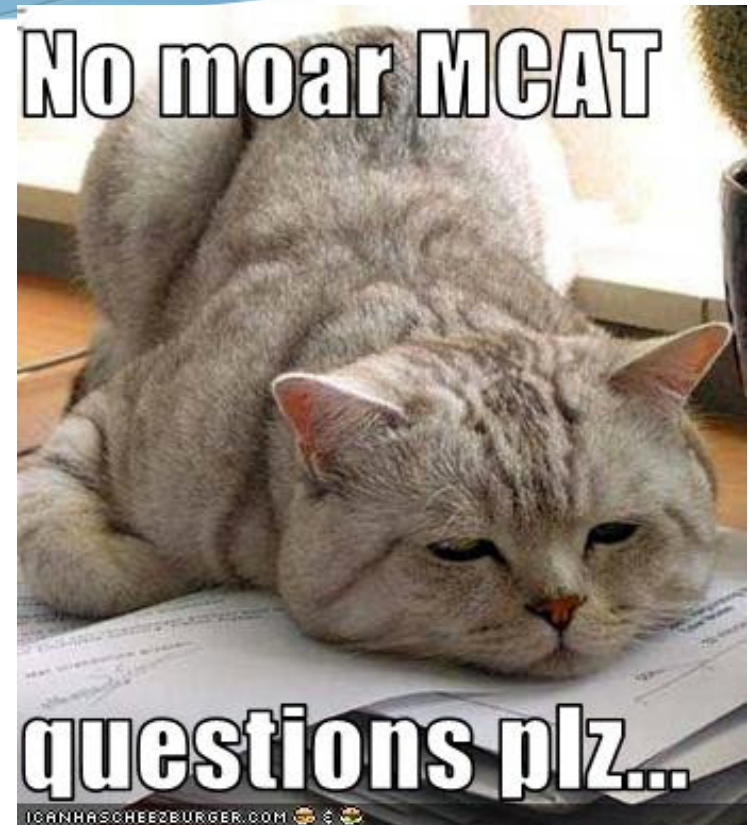
JAN							FEB							MAR						
SUN	MON	TUE	WED	THU	FRI	SAT	SUN	MON	TUE	WED	THU	FRI	SAT	SUN	MON	TUE	WED	THU	FRI	SAT
		1	2	3	4	5						1	2						1	2
6	7	8	9	10	11	12	3	4	5	6	7	8	9	3	4	5	6	7	8	9
13	14	15	16	17	18	19	10	11	12	13	14	15	16	10	11	12	13	14	15	16
20	21	22	23	24	25	26	17	18	19	20	21	22	23	17	18	19	20	21	22	23
27	28	29	30	31			24	25	26	27	28			24	25	26	27	28	29	30
														31						

APR							MAY							JUN						
SUN	MON	TUE	WED	THU	FRI	SAT	SUN	MON	TUE	WED	THU	FRI	SAT	SUN	MON	TUE	WED	THU	FRI	SAT
	1	2	3	4	5	6					1	2	3	4						1
7	8	9	10	11	12	13	5	6	7	8	9	10	11	2	3	4	5	6	7	8
14	15	16	17	18	19	20	12	13	14	15	16	17	18	9	10	11	12	13	14	15
21	22	23	24	25	26	27	19	20	21	22	23	24	25	16	17	18	19	20	21	22
28	29	30					26	27	28	29	30	31				23	24	25	26	27
														30					28	29

JUL							AUG							SEP						
SUN	MON	TUE	WED	THU	FRI	SAT	SUN	MON	TUE	WED	THU	FRI	SAT	SUN	MON	TUE	WED	THU	FRI	SAT
	1	2	3	4	5	6					1	2	3	1	2	3	4	5	6	7
7	8	9	10	11	12	13	4	5	6	7	8	9	10	8	9	10	11	12	13	14
14	15	16	17	18	19	20	11	12	13	14	15	16	17	15	16	17	18	19	20	21
21	22	23	24	25	26	27	18	19	20	21	22	23	24	22	23	24	25	26	27	28
28	29	30	31				25	26	27	28	29	30	31	29	30					

MCAT Study Tips

- ◆ Register as far in advance as possible
- ◆ Start studying early!
- ◆ Utilize resources:
 - ◆ Khan Academy videos
 - ◆ Kaplan/Examcrackers books
 - ◆ AAMC practice exams
- ◆ Take MCAT latest by spring (March/April) of application year
- ◆ Avoid re-takes



Letters of Recommendation

Letters of Recommendation

- ◆ 3-5 letters in total (6-8 if MD/PhD)
 - ◆ 2 science classes
 - ◆ 1 non-science class
- ◆ Ask early!
- ◆ TF as main writer and professor as co-signer is ok
- ◆ Recommenders should recommend student to medical schools in general, not a particular one
- ◆ **Leverett pre-med website for cover letter and waiver:** <http://leverett.harvard.edu/wiki/Premed:Welcome>



"THESE LETTERS OF RECOMMENDATION... DO YOU HAVE ANY FROM ANYONE OTHER THAN YOUR FORMER WARDENS?"

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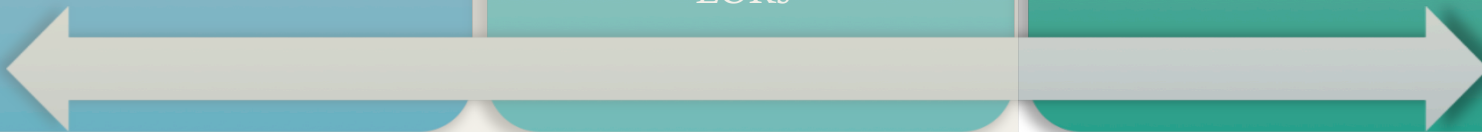
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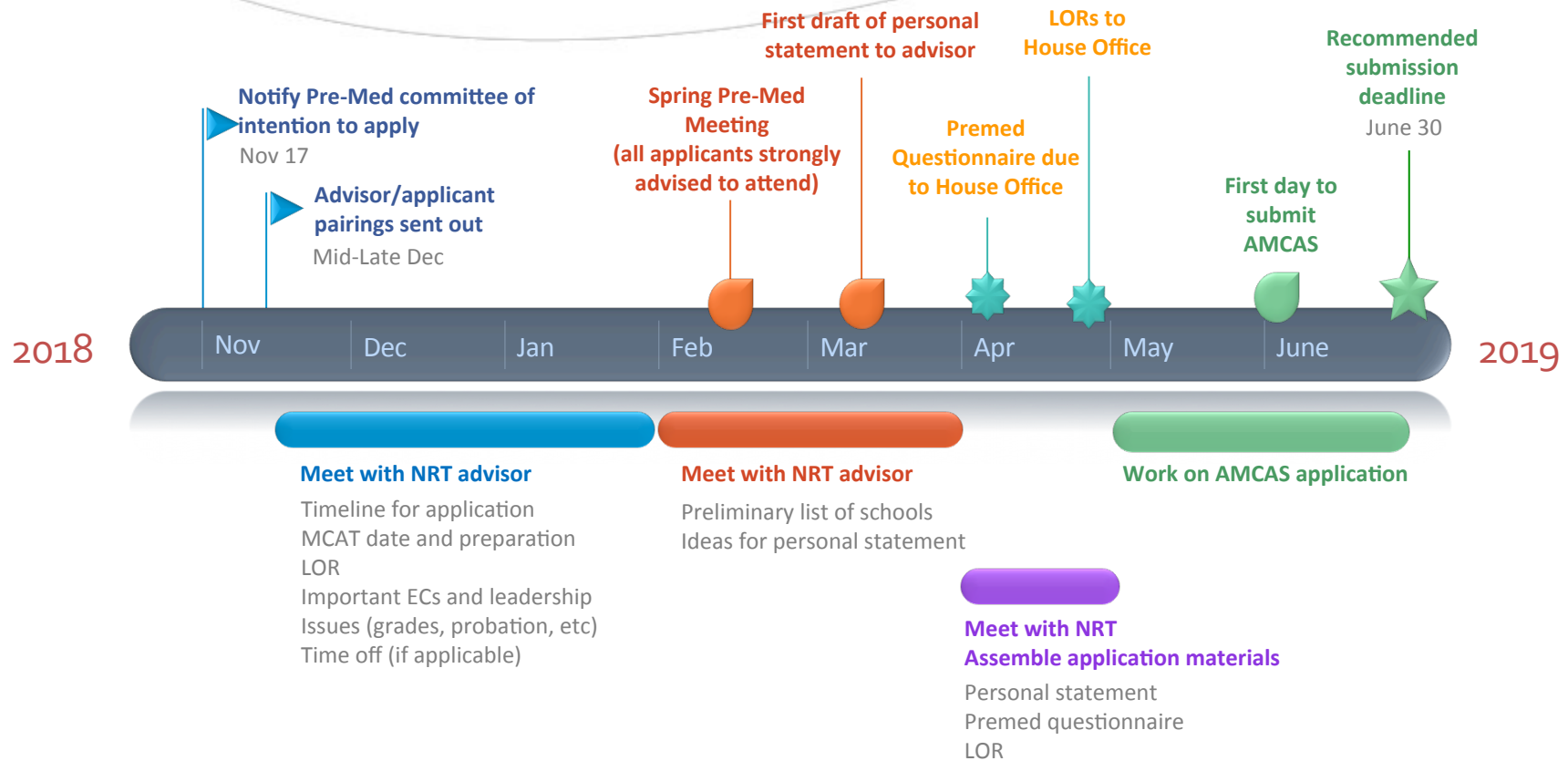
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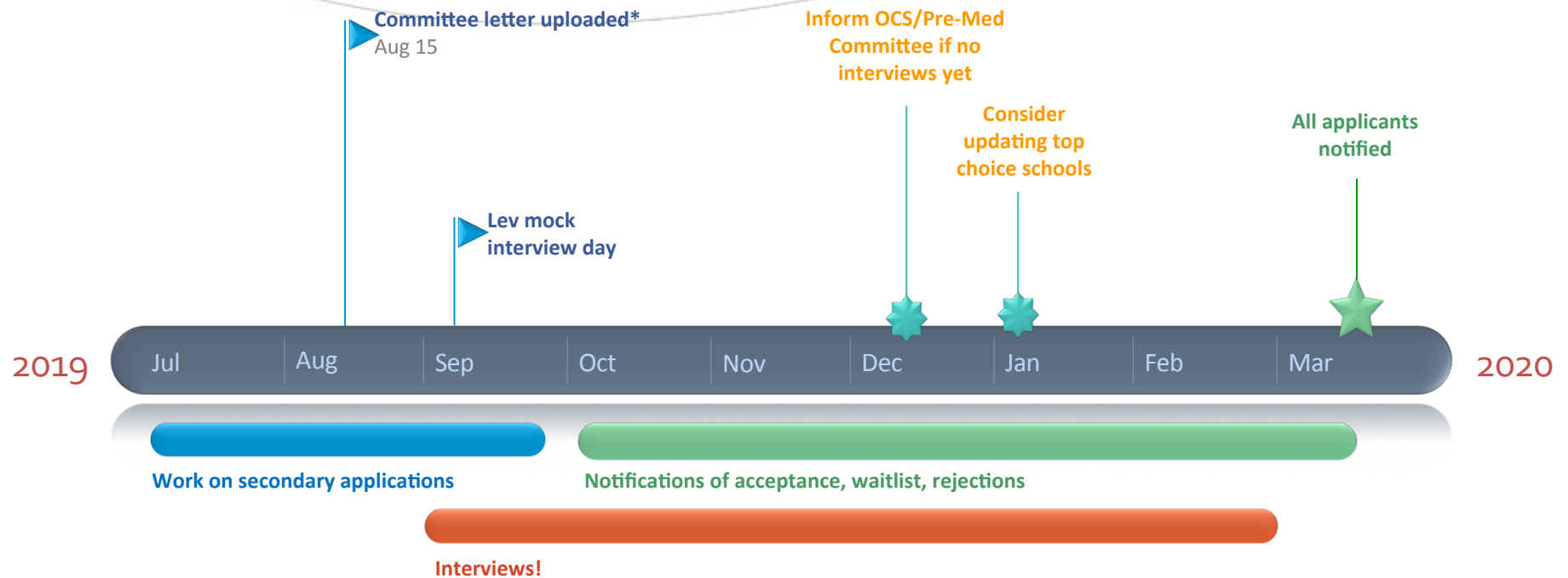
NRT and Resident Tutor Roles

- ◆ Non-Resident Tutors
 - ◆ Writing committee letters
 - ◆ Pre-med advising
- ◆ Resident Tutors
 - ◆ Organizing house-wide meetings
 - ◆ Pre-med advising
 - ◆ Editing committee letters
 - ◆ Mock interviews

Applying to Medical School



Applying to Medical School



* We commit to uploading your committee letter to AMCAS by August 15 if you are able to turn in all of your required materials by the deadlines (Premed Questionnaire, Letters of Recommendation).

Applying to Medical School

- ◆ Start planning early
- ◆ Plan out course schedule and requirements

In 2013, **71% of Harvard applicants applied as alums.**
Maturity and real-life experience can make you a better
doctor AND a better applicant

Resources

- Lev pre-med website:
<http://leverett.harvard.edu/wiki/Premed:Welcome>

Premed - Welcome

Leverett Organizations

Advising | Prelaw | **Premed** | Pre-Career
HoCo | IMs | Culinary | Arts | REP | Health | Econ

Welcome to the premedical advising home page, where you will find a panoply of information about pursuing a medical degree.

Your Premed Tutors are [Jonathan Abraham](#), [Jonathan D'Gama](#), [Horatio \(Tio\) Thomas](#), [Victoria Martin](#)

Please send all premed questions and inquiries to the Leverett Premed Committee at leverett-premed-list@lists.fas.harvard.edu.

IMPORTANT:

The application process for the 2017-2018 cycle has already begun. If you are planning to apply in this cycle, please email us at leverett-premed-list@lists.fas.harvard.edu ASAP to let us know!

Premed Resources

[edit]

- Listserves
 - OCS premed listserve: <https://lists.fas.harvard.edu/mailman/listinfo/ocshealthandmedcareers>
 - The Harvard Premedical Society, a student group, also has two lists:
 - premed-talk@lists.hcs.harvard.edu
 - hps-list@lists.hcs.harvard.edu
 - AMCAS: All medical applications in the US are done through the [AMCAS](#) web site. In addition to the online application itself, you will find links to application instructions, MCAT information, and a wide assortment of resources about pursuing a medical degree.
 - [OCS Resources](#)
 - [Online Resources](#)

Presentations

[edit]

[Fall 2016 Presentation](#)

[Spring 2016 Presentation](#)

Resources

- ◆ Non-resident tutors
- ◆ Resident tutors
- ◆ OCS
 - ◆ Website
 - ◆ Drop-in hours
 - ◆ Online chat sessions
 - ◆ Workshops
 - ◆ Selecting Letters of Recommendation
 - ◆ Completing AMCAS
 - ◆ Writing a Personal Statement
 - ◆ Harvard Seniors and Alumni Admissions Data (\$5 at OCS)
 - ◆ MSAR (Medical School Admission Requirements)

Questions?

- ◆ Lev Pre-Med Website <http://leverett.harvard.edu/wiki/Premed:Welcome>

Resident Tutors

- ◆ Jonathan Abraham (MD/PhD) abraham.jonathan@gmail.com
- ◆ Victoria (Tori) Martin (MD/MPH) tori.martin@post.harvard.edu
- ◆ Jonathan D’Gama (MD/PhD) Jonathan_DGama@hms.harvard.edu
- ◆ Brian Miller (MD/PhD) bcmiller@gmail.com
- ◆ Yamini Virkud (MD/MPH) yaminivirkud@gmail.com
- ◆ Kaitavjeet Chowdhary (MD/PhD) Kaitavjeet_Chowdhary@hms.harvard.edu

NRT

- ◆ Scott Lovitch (MD/PhD) slovitch@gmail.com