How medical student research can resonate with residency programs

JUN 29, 2022

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Residency programs are seeking curious future physicians. One avenue to show your curiosity—and ambition—is through research done during your time as a medical student.

For medical students looking to showcase their research, the deadline for abstract submissions for the 2022 AMA Research Challenge—the largest national, multispecialty research event for medical students, residents, fellows and international medical graduates—is July 12. This year’s event features a $10,000 grand prize from sponsor Laurel Road.

For medical students who have conducted research, especially those who aim to pursue academic medicine, making such research a part of your residency application packet makes sense. Here’s some insight on what that looks like.

Aspects of you application

When you submit your residency application, much of your actual application is automated through the Electronic Residency Application Service (ERAS). Yet some aspects of it, such as your personal statement and comprehensive CV, are going to be unique to you and your interests. If your medical school experience involved research, particularly if you were successful in your scholarly pursuits, that is worth highlighting.

A recent graduate of the University of Minnesota School of Medicine, Arman Shahriar, MD, said he highlighted his research, which earned him a spot in the 2021 AMA Research Challenge finals, in his personal essay. It was also mentioned in his medical school performance evaluation. Dr. Shahriar said that if you build your application around your research, you should expect to talk about it during the interview process.

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“Most interviewers expressed interest in my research, and it came up in nearly all of my interviews,” said Dr. Shahriar, who will begin his internal medicine residency at the University of Chicago in July. “Some interviewers had actually read [my] papers, whereas others had just noted the topics I researched. Either way, it gave me a platform to talk about things that are important to me.”

Follow these steps to create a residency application that resonates.

**Put your passions first**

If research is a passion, make it a centerpiece of your application, Dr. Shahriar advised. Don’t simply highlight it because you think it is what programs want to hear.

“If research is very important to you, then tie it into things like your personal statement and your MSPE [medical student performance evaluation]. But know that if you do so, you will be talking about it a lot. If not, you can list it on the application server and move on.”

John Andrews, MD, echoed Dr. Shahriar’s advice.

“Program directors are interested in any aspects of someone’s path in medicine that helps them understand an applicant’s path as a leaner,” said Dr. Andrews, the AMA’s vice president for graduate medical education innovations. “If you’ve engaged in research, in particular, if you care a lot about it, that needs to be front and center on your application—especially if it’s something that you hope to continue to pursue during your residency training.”

Dr. Andrews said being up front about your interest in residency research can help you narrow down programs that may not be as research-heavy when you are interviewing and ranking.

Learn about the winning projects from the 2020 and 2021 AMA Research Challenge events.

**Research isn’t required**

It’s important to note that medical student research isn’t required to secure a residency position. In a survey of program directors conducted by the National Resident Matching Program in 2021, 12 other factors were seen as more important in determining whom to interview than a student’s “involvement and interest in research.”

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Dr. Andrews said medical students should not pursue research simply to put it on a residency application.

“The decision to participate in research ought to be motivated by your own interests rather than what you stand to gain competitively,” Dr. Andrews said.

There’s also the fact that pursuing research takes time, and research is just one way that medical student can choose to spend their time.

“I had friends in medical school who did no research but are just as - if not better - prepared than I am to begin residency in clinical medicine,” Dr. Shahriar said. “They found success in the application process by highlighting other time-consuming engagements that were important to them. Research is one avenue that I chose to take because it suits my way of thinking.”