

## Response

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Thank you, Fernando, for such a flattering introduction, and for nominating me for this tremendous honor. I can't tell you how much it means to me.

Thanks also to David, Jean, John and Stoeff for supporting my nomination. This award is already very humbling, but finding out that I was nominated and supported by such a group of outstanding scientists whom I admire so much, makes it all the more so.

I want to also thank the entire leadership of SGA for bestowing this honor, and for all of your many efforts that make this society such an active, vibrant and encouraging one for the study of mineral deposits.

As Fernando said, I grew up in Newfoundland and I went to university at Memorial, where John Hanchar was my first academic mentor. John gave me my first hands-on experience in research, and set me on the path that led me here. Next was Virginia Tech, where my PhD supervisor Bob Bodnar taught me the ways of fluid inclusions, and literally changed my life in the process. It was Bob who made me see the power of using fluid and melt inclusions to understand ore formation, by applying the fundamental constraints of thermodynamics to interpret what they tell us (or as Bob likes to say, looking down the microscope and seeing a phase diagram). It's safe to say that everything about my career and research would be completely different if not for Bob. My postdoctoral supervisors at ETH Zurich, Stoeff Heinrich and Thomas Driesner, as well as Christian Schmidt at GFZ Potsdam, all helped expand my views further, by directing my eyes both towards the really big-picture geologic processes and questions, as well as to the sub-microscopic world of fluids and melts at the molecular scale.

I have no doubt that I would not be here today if not for many others, especially my research collaborators and students. I have been extremely fortunate in having many outstanding collaborators who have allowed me to share in their science and discoveries, including Simone Runyon, Ben Walter and Basem Zoheir. I've also been lucky to have many extraordinary students during these formative years of my research group, and this recognition really reflects their efforts and discoveries too. Among them, I want to especially recognize Wyatt Bain, who was my first ever PhD student, and who worked with me on what I consider some of my group's most exciting discoveries so far, with regard to the properties of fluids that form magnetite-apatite deposits. That turned out to be one of those projects where the results were truly unexpected; and isn't that the most exciting kind?

Finally, thank you to my most important colleague and collaborator of all, my wife, Pilar Lecumberri-Sanchez. How lucky I am that I get to share not only my life, but also my love of mineral deposits, with you.

Thank you.

—Matthew Steele-MacInnis, Edmonton, Alberta, March 14, 2022