How to get the most out of your deep-sea molluscs

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Molluscs are a special group to work on. Their diversity, abundance, and prevalence within the phylum of calcified shells with high preservation potential allow for unique research opportunities, and these are ever expanding as new technologies and techniques become available. I discuss some of the traits that make molluscs an ideal model group for understanding deep-sea ecosystems, and the future directions for such research, with an emphasis on palaeogenetic techniques, using examples from the Puysegur and Kermadec trenches.