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PROF.

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## **The abyssal ocean: its dynamics and its role in climate**

In this lecture I will review recent advances in our understanding of the role played by turbulence in setting the overall structure of the oceans. I will focus on the deep ocean, where the impact of turbulence is strongly modulated by the presence of topography. The presentation will start with some theoretical arguments followed up by results from a very recent field campaign. I will conclude by discussing the implications of these results for our understanding of the global ocean circulation and its role in the climate system.