Abstract. This presentation is based on interviews with 20 Canadian nanotechnology researchers, focusing primarily on the economic, political, and epistemological issues relating to the delineation of the nanotechnology field. Canadian researchers are attuned to the problems associated with defining their field but, as we shall see, they are also transforming and adapting their definitions to suit different contexts. These researchers present a wide range of points of view on the expansion of nanotechnologies: some criticize while others speak enthusiastically and yet others express their concern. From one researcher to the next and from one field to another, their perspectives contradict each other, and their adherence to the strategic plan set out by the Canadian government is anything but wholehearted. By considering these researchers’ points of view, we shed light on the issues of the “nano revolution,” particularly in regard to the very concept of what constitutes scientific research.