

**LIFE SCIENCE IN THE EARLY 21ST CENTURY:
AN ENDLESS FRONTIER**

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In the last half century, the Life Sciences have been driven by Molecular Biology, to a most exciting frontier for human understanding of the world and for improving the human condition. This will continue to be true in the coming half century, only more so. The talk will review briefly the major revolutions in Biology in the second half of the 20th century, and will sketch what might lie ahead. In sketching the future, I will also comment on the evolving relationship of Biology with the sister sciences; on the necessary infrastructures (some of which are shared); on the challenges that this evolution presents to academic institutions, and policy makers; and on the necessary dialogue between science and society. I will use some examples of how EMBL is evolving to meet these challenges.