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Françoise Colobert graduated in 1982 from the Chemistry engineering High School ENSCR in Rennes and received her doctoral degree in organic chemistry in 1985 from the University Pierre et Marie Curie (Paris) under the supervision of Prof. Jean-Pierre Genêt in the field of asymmetric catalysis. Then, she obtained a grant at the interface of chemistry and biology and moved to Strasbourg, to join Dr Jules Hoffmann's group (molecular biology, Nobel prize 2011 in physiology and medicine). Finally she was nominated Assistant Professor in 1990 in Prof. Guy Solladié's group (ECPM/University of Strasbourg) and was appointed full Professor of organic Chemistry in 2001. Currently, she is director of the molecular chemistry department of the Chemistry engineering High School ECPM, University of Strasbourg.

She started her independent carrier in 2001 at the head of the group Synthesis and Asymmetric Catalysis mainly devoted to stereoselective methods in transition metal catalysis and more recently asymmetric C-H functionalization and use of chiral hypervalent iodine in copper catalysis. Moreover, during her career, she made contributions in the field of total synthesis of biologically active compounds. She has been director of 29 PHD, 72 masters and 10 Post-Doct and has published 132 publications (including 5 book chapters and 8 patents). She has delivered 88 lectures including 63 in foreign universities and in international conferences. Françoise Colobert has obtained ANR, CEFIPRA, IcFRC, Idex Unistra grants and in 2014 she received the Knight's title in the Order of the Academic Palms. She has been Invited professor at Osaka Prefecture university, Tokyo Institute of Technology, University Basilicata Potenza and University of Bratislava.