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Natalia Dudareva received her M.S. in Biology and Biochemistry from Novosibirsk State University, Russia and her PhD training at the Institute of Biochemistry, Kiev, Ukraine and the University of Louis Pasteur, Strasbourg, France. After a postdoctoral training at the University of Michigan, Dr. Dudareva joined the Department of Horticulture and Landscape Architecture, Purdue University in 1997 and received a distinguished professorship in 2010. She is currently a Distinguished Professor in the Department of Biochemistry at Purdue University in West Lafayette, Indiana. Research in the Dudareva laboratory focuses on understanding of biochemical and molecular mechanisms controlling the formation of primary and secondary (phenylpropanoid and terpenoid) metabolites in plants using the power of genetic and biochemical approaches combined with metabolic flux analysis and modeling. She has published 120 papers, 25 book chapters and 2 books, and has given more than 200 invited lectures at conferences and other universities. She has received recognition for her research as Purdue University Faculty Scholar and the Wickersham Chair of Excellence in Agricultural Research. She has been awarded the Purdue University Agricultural Research Award, Sigma Xi Faculty Research Award, the Alexander von Humboldt Research Award (Germany) and 2018 Herbert Newby McCoy Award, Purdue's most prestigious award given for outstanding work in the natural sciences. She is a Fellow of the American Association for the Advancement of Science.