

Natalia Dudareva is a Distinguished Professor in the Department of Biochemistry at Purdue University in West Lafayette, Indiana. She 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. Research in Dudareva laboratory integrates the power of genetic and biochemical approaches with metabolic flux analysis and modeling to understand the biochemical and molecular mechanisms controlling the formation of an array of primary and secondary (phenylpropanoid and terpenoid) metabolites in plants. Recent work from her lab is focused on different aspects of volatile emission: from biomolecular processes involved in the release of volatiles into the atmosphere to natural fumigation.