



## Viticulture, enology and marketing for cold-hardy grapes



# Who's Who of the Northern Grapes Project

## Connecticut Agricultural Experiment Station



**Frank Ferrandino**

*Agricultural Scientist, Department of Plant Pathology and Ecology*

Frank combines on-site weather measurement, inoculum quantification and epidemiological models to predict disease-risk in support of the winegrape industry in Connecticut and greater New England. His contribution to the Northern Grape Project is to examine the effects of training system, spacing, and pruning on the microclimate, disease susceptibility, productivity and fruit quality of northern winegrapes.

## Cornell University



**Chris Gerling**

*Extension Associate, Department of Food Science*

Chris Gerling is an Extension Associate in the Food Science Department of Cornell University. He works with the New York wine industry to create educational programs that support the growth and improved quality of premium wines throughout the state. His role in the Northern Grapes project will be to assist in outreach.



**Miguel I. Gómez**

*Associate Professor, Charles H. Dyson School of Applied Economics and Management*

Miguel is an economist who specializes in marketing and food distribution, pricing and price analysis, and quantitative methods. His contribution to the Northern Grapes Project is the identification of marketing strategies for the success of tasting rooms and to examine the benefits of the development of grape-wine clusters for the local economies where these clusters are located.



**Anna Katharine Mansfield**

*Associate Professor, Department of Food Science*

Anna Katharine is an Associate Professor of Enology at Cornell, and first worked in the wine industry in North Carolina's Yadkin Valley. Anna Katharine currently focuses on aiding small regional wineries through enology extension, wine sensory evaluation, and defining regional identity in developing wine-growing areas. She is the leader of the enology team for the Northern Grapes Project.



**Tim Martinson**

*Senior Extension Associate, Department of Horticulture*

Tim has worked in viticultural research and extension at Cornell University since receiving his PhD in Entomology in 1990. He is currently senior extension associate with the Department of Horticulture at Cornell. As project director, Tim will coordinate all project activities and will be conducting research on crop load management and training systems in commercial vineyards in Northern New York.



**Chrislyn Particka**

*Extension Support Specialist, Department of Horticulture*

Chrislyn has an extensive background in small fruit horticulture. She is the Northern Grapes Project Manager, and handles the day-to-day organization and operations of the project, including producing webinars, newsletters, and the project website. She also conducts much of the viticulture field research for the Northern Grapes Project in New York.



**Anna Wallis**

*Extension Associate, Cooperative Extension, ENYCHP*

Anna is the tree fruit and viticulture extension specialist for the northeastern region of New York. She works with growers in the Champlain Valley and Upper Hudson Valley on topics including orchard and vineyard establishment and management, IPM, fruit quality and maturity, and post-harvest handling. She is responsible for the cold-hardy grape planting at the Willsboro Research Farm.

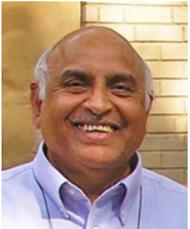
## Iowa State University



**Diana Cochran**

*Assistant Professor and Extension Fruit Specialist, Department of Horticulture*

Diana serves as the state-wide Extension Fruit Specialist and conducts research in viticulture, pomology and hops, with the goal of reducing production costs and optimizing plant establishment. Diana will evaluate cold climate variety performance; conducting on-farm research and demonstration studies on training systems and canopy and crop load management; and vineyard nutrition studies.



**Murli Dharmadhikari**

*Director and Extension Enologist, Midwest Grape and Wine Industry Institute*

Murli's experience in the Midwest grape and wine industry spans 35 years. He has served as a commercial winemaker, enology advisor, extension enologist, wine researcher, educator, and more. In his current role, Murli will help to benefit the Northern Grapes Project through research on organic acids, phenolics and flavor profiles of cold hardy grapes and development of a wine quality certification program.



**Jacek Koziel**

*Associate Professor, Department of Agricultural and Biosystems Engineering*

Jacek is coordinating the chemical and sensory analyses at Iowa State University for the Northern Grapes Project. Jacek's lab uses multidimensional gas chromatography and mass spectrometry system combined with simultaneous aroma analysis by trained panelists. His lab is processing grape and wine aroma volatiles for Iowa, South Dakota, and Minnesota.



**Paul Lasley**

*Professor, Department of Sociology*

Paul's work focuses on farm and rural issues at the state and national levels and examines the consequences of social and economic changes on the fabric of society by examining agricultural changes on rural communities and the need for rural development. As part of the Northern Grapes Project, Paul leads the Project Evaluation Team and is a member of the Consumers/Marketing Team.



**Gail Nonnecke**

*Professor, Department of Horticulture*

Gail teaches courses that include viticulture and mentors students in grape physiology and sustainable production and management. Her research has included investigations to create sustainable viticulture production and management systems and grape physiology. Gail will complete research on crop load, shoot management, and training systems and mentor students working in the Northern Grapes Project.



**Mike White**

*Viticulture Specialist, ISU Extension and Outreach*

Mike White is a Viticulture Specialist for ISU Extension & Outreach and is a team member of the Midwest Grape & Wine Industry Institute. He provides technical assistance and educational training to both vineyards and wineries in Iowa and neighboring states. His role in the Northern Grapes Project will deal primarily with educational extension and communications with the project.

## Michigan State University



**Don Holecek**

*Professor Emeritus, Department Community Sustainability*

Don's research has spanned a wide range of topics including boating, camping, agriculture tourism (including wines), climate change, and other tourism related topics. His focus in the Northern Grapes Project is on consumers with the goal of establishing their awareness and perceptions of and preferences for wines made from cold hardy grapes.



**Dan McCole**

*Assistant Professor, Department Community Sustainability*

Dan teaches courses related to the management of tourism and leisure service organizations. His research helps organizations and communities facilitate recreational activities so they are economically, environmentally, and socio-culturally sustainable. As part of the Northern Grapes project, he will work on projects related to collaboration, branding, and wine consumers' behaviors.



**Paolo Sabbatini**

*Associate Professor, Department of Horticulture*

Paolo has research and extension responsibilities in viticulture. His research goal is to solve whole plant problems that will optimize vine productivity and quality. He has responsibilities for evaluation of wine grape cultivars and several ongoing research projects on vine balance, canopy management and bunch rot in wine grapes. Paolo leads the Vineyard Studies team in the Northern Grapes Project.

## North Dakota State University



**Harlene Hatterman-Valenti**

*Professor, Department of Plant Sciences*

Harlene is a high-value crops specialist who oversees the grape germplasm enhancement project at NDSU and conducts research and outreach programs on cold-hardy grapes. Her emphasis is weed science, but she has conducted numerous production related field trials. Harlene's work with the Northern Grape Project focuses on vineyard management practices.

## South Dakota State University



**Rhoda Burrows**

*Extension Specialist and Professor, Department of Plant Science*

Rhoda is a horticulture extension specialist, working with both commercial fruit and vegetable growers and homeowners throughout the state. Her role in the project will be to help facilitate on-farm research, particularly in the area of mineral nutrition and soil management. She will also help convey knowledge that is gained through the Northern Grapes Project to growers and educators throughout the state.



**Anne Fennell**

*Professor, Department of Horticulture, Forestry, Landscape and Parks*

Anne has worked with the physiology, cold hardiness and functional genomic analyses of cold climate grapevines since 1992. Anne leads the fruit genomic characterization team that will establish baseline gene, metabolite, volatile aroma and sensory information to identify characteristics that can be used to develop biomarkers for fruit ripening in the major cold climate cultivars.

## University of Massachusetts



**Sonia Schloemann**

*Extension Fruit Specialist, Department of Plant, Soil, and Insect Sciences*

Sonia is an Extension Fruit Specialist working mainly with small fruits, including grapes. She has worked extensively with the New England wine grape growing industry for the last 15 years. For this project she will be involved in extension dissemination of project results.

## University of Minnesota



**Bill Gartner**

*Professor, Department of Applied Economics*

Bill's research interests are branding, image, economic impact, and tourism development, which have taken him to Asia, Europe, Latin America, and Africa. He leads the Marketing and Economics Team and is the principal investigator on economic impact and baseline monitoring, policy review, and branding studies for the Northern Grapes Project.



**Adrian Hegeman**

*Associate Professor, Departments of Horticultural Science and Plant Biology*

Adrian studies plant metabolomics and the use of stable isotopes and mass spectrometry for methodological innovations. He is interested in comparing the metabolism of *Vitis vinifera* and *V. riparia* hybrids to understand the molecular basis for differences in grape berry color and flavor/aroma properties as well as physiological traits such as stress tolerance.



**Peter Hemstad**

*Scientist-Grape Breeding, Department of Horticultural Science*

Peter has been the grape breeder at the University of Minnesota since 1985 and was very involved in the development of 'Frontenac', 'Frontenac Gris', 'La Crescent' and 'Marquette', which are now the foundation of the northern grape industry. Peter is also co-owner of Saint Croix Vineyards which was established in 1992 and has won numerous awards for its wines produced from cold hardy grapes.



**Jim Luby**

*Professor, Department of Horticultural Science*

Jim directs breeding programs in grapes, apples and other fruit crops at the University of Minnesota and teaches courses in viticulture, fruit production and plant breeding. He co-directs the Northern Grapes Project and is also a member of the fruit composition team that seeks to determine how changes in grapes during ripening affect wine quality in order to improve both management practices and selection in breeding.



**Carl Rosen**

*Professor, Department of Horticultural Science*

Carl is a soil scientist specializing in soil fertility and nutrient management for horticultural crops. He has extensive experience in soil and tissue test interpretation and also co-teaches a soil fertility course for undergraduate students. For the Northern Grapes Project he will lead an on-farm effort in five states to determine optimal mineral nutrition and soil management practices for cold climate cultivars.



**Zata Vickers**

*Professor, Department of Food Science and Nutrition*

Zata has a 50% teaching/50% research appointment and oversees the sensory center at University of Minnesota. Her role in the project will be to plan and oversee the sensory testing aspects of juice and wine produced in Minnesota, including applying for IRB approval, conducting the sensory tests, analyzing the data and preparing written documentation of the methods and results.

## University of Nebraska



**Paul Read**

*Professor, Department of Agronomy and Horticulture*

Paul's current research interests are in tissue culture for horticulture crop improvement and on-vineyard management issues in support of Nebraska's developing grape and wine industry. He is a member of the vineyard studies team in the Northern Grapes Project.

## University of Vermont



*Terence Bradshaw*

*Research Associate, Department of Plant and Soil Science*

Terry serves as tree fruit and viticulture specialist at the University of Vermont. Terry's research, teaching, and outreach programs cover horticultural, pest management, and business management topics. With the Northern Grapes Project, Terry will contribute to cultivar evaluation, outreach instruction, and with his colleague Ann Hazelrigg, disease susceptibility assessment of cold-hardy grape cultivars.



*Ann Hazelrigg*

*Extension Instructor, Plant and Soil Science Department*

Ann is a plant pathologist and the director of the UVM Plant Diagnostic Clinic. She is the IPM Coordinator for the state and has worked in IPM for many years. Her role in the Northern Grapes Project will include evaluating cultivar performance and participating in the development of disease management strategies that take into account relative disease resistance, copper and sulfur sensitivity, and the unique prevalence of anthracnose in cold climate cultivars.

## University of Wisconsin



*Amaya Atucha*

*Assistant Professor, Department Horticulture*

Amaya has a research and extension program in fruit crops focused on production practices to increase sustainability and fruit quality. She works closely with fruit growers across the state. Her role in the Northern Grape Project will be to conduct research on training systems and crop load management.



*Patty McManus*

*Extension Professor, Department of Plant Pathology*

Patty has been a professor at UW-Madison since 1995 where her work focuses on the etiology and integrated management of diseases of fruit crops important to the economy of Wisconsin. Specific interests include strategies to reduce the risk and delay the onset of pesticide resistance, and effects of pathogens and pesticides on plant anatomy and physiology. Patty is a member of the vineyard studies team on the Northern Grapes Project.