REBECCA W. DOERGE
TRENT AND JUDITH ANDERSON DISTINGUISHED PROFESSOR OF STATISTICS
President's Fellow for Big Data and Simulation

Year began current position: 2015
Previous Purdue positions: Head, Department of Statistics (2010-2015); Associate Head, Department of Statistics (2009); Interim Head Department of Statistics (2008); Professor of Statistics, Professor of Agronomy (2003-11); Associate Professor of Statistics, Associate Professor of Agronomy (2000-03); Assistant Professor of Statistics, Assistant Professor of Agronomy (1995-2000)
Education:
  Cornell University: Post-Doctoral Scholar (1993-1995)
  North Carolina State University: PhD, Statistics (1993)
  University of Utah: MS, Mathematics (1988)
  University of Utah: BS, Mathematics (1986)
Biography:
Rebecca Doerge is the Trent and Judith Anderson Distinguished Professor of Statistics at Purdue University. She joined Purdue University in 1995 and holds a joint appointment between the Colleges of Agriculture (Department of Agronomy) and Science (Department of Statistics). Professor Doerge's research program is focused on Statistical Bioinformatics, a component of bioinformatics that brings together many scientific disciplines into one arena to ask, answer, and disseminate biologically interesting information in the quest to understand the ultimate function of DNA and epigenomic associations. Rebecca is the recipient the Teaching for Tomorrow Award, Purdue University, 1996; University Scholar Award, Purdue University, 2001-2006; and the Provost's Award for Outstanding Graduate Faculty Mentor, Purdue University, 2010. She is an elected Fellow of the American Statistical Association (2007), an elected Fellow of the American Association for the Advancement of Science (2007), and a Fellow of the Committee on Institutional Cooperation (CIC; 2009). Professor Doerge has published over 120 scientific articles, published two books, and graduated 23 PhD students.

Professor Doerge was born and raised in upstate New York. As a first generation student, she studied theoretical Mathematics at the University of Utah; it was there that she gained interest and experience in both computing and Human Genetics (Howard Hughes Medical Institute). Rebecca obtained her PhD in Statistics from North Carolina State University under the direction of Bruce Weir, and was a postdoctoral fellow with Gary Churchill, Biometry and Plant Breeding at Cornell University.

As Department Head of Statistics Rebecca managed the department through three years (2008, 2010 and 2011) of budget reductions, while working to both expand educational offerings and grow fundable research activity. Under her leadership, the number of undergraduate students in the department doubled (upwards of 400), the budget balanced, and the number of tenured female faculty doubled. Further, through her leadership the number of online and hybrid course offerings expanded for the purpose of meeting the learning needs of Purdue students.

Professor Doerge is a member of the Board of Trustees for the National Institute of Statistical Sciences, and the Mathematical Biosciences Institute.

January 2016