

NINETEENTH ANNUAL RUTGERS TURFGRASS SYMPOSIUM

School of Environmental and Biological Sciences, Rutgers University

January 11, 2010

Foran Hall, Room 138A

Monday, January 11, 2010

8:30 - 9:00 AM **Registration, Coffee and Donuts**

9:00 - 10:00 AM **SESSION I: GERMPLASM ENHANCEMENT AND BIOCONTROL**
(Moderator: Dr. Faith Belanger)

9:00 – 9:20 **Dr. Stacy Bonos** (Department of Plant Biology and Pathology, Rutgers University) *Breeding Bentgrass Species for Improved Disease Resistance and Stress Tolerance*

9:20 – 9:40 **Dr. William Meyer** (Department of Plant Biology and Pathology, Rutgers University) *Breeding Improvements in Kentucky Bluegrass and Tall Fescue*

9:40 – 10:00 **Dr. Donald Kobayashi** (Department of Plant Biology and Pathology, Rutgers University) *The Atkins Approach to Biological Control: Does the High Protein/Low Carbohydrate Diet of *Lysobacter Enzymogenes* Specify Host Preference?*

10:00 - 10:30 AM **Discussion and Coffee Break**

10:30 – 12:00 PM **SESSION II: TURFGRASS MANAGEMENT AND THE ENVIRONMENT**

(Moderator: Dr. Thomas Molnar)

10:30 – 10:50 **Dr. James Murphy** (Department of Plant Biology and Pathology, Rutgers University) *Nitrogen Fertilization Effects on Anthracnose of Annual Bluegrass*

10:50 – 11:10 **Dr. Yaling Qian** (Department of Horticulture and Landscape Architecture, Colorado State University) *Assessing Carbon Sequestration in Turfgrass Systems*

11:10 – 11:20 **Discussion session**

11:20 – 12:00 **Keynote: Dr. John Stier** (Department of Horticulture, University of Wisconsin-Madison) *Can Rain Gardens Stop Urban Runoff and Recharge Ground Water?*

12:00 - 1:00 PM Lunch and Poster Session

1:00 – 2:00 PM SESSION III: TURFGRASS PHYSIOLOGY
(Moderator: Dr. Thomas Gianfagna)

1:00 – 1:20 **Dr. Bingru Huang** (Department of Plant Biology and Pathology, Rutgers University) *Improving Bentgrass Abiotic Stress Tolerance Through Genetic Transformation*

1:20 – 1:40 **Dr. Eric Lam** (Department of Plant Biology and Pathology, Rutgers University) *Chemical Chaperones as Potential Tools to Suppress Cell Death in Plants and Induce Stress Tolerance in Crops*

1:40 – 2:00 **Dr. James F. White, Jr.** (Department of Plant Biology and Pathology, Rutgers University) *Endophyte-Mediated Enhancement of Stress Tolerance and Disease Resistance in Turfgrasses*

2:00 – 2:30 PM Discussion and Coffee Break

2:30 – 3:30 PM SESSION IV: TURFGRASS PESTS – BIOLOGY AND CONTROL
(Moderator: Dr. Barbara Zilinskas)

2:30 – 2:50 **Dr. Ning Zhang** (Department of Plant Biology and Pathology, Rutgers University) *Molecular Detection of Fungal Pathogens on Turf*

2:50 – 3:10 **Dr. Stephen Hart** (Department of Plant Biology and Pathology, Rutgers University) *Metamifop: A New Postemergence Herbicide for Crabgrass and Goosegrass Control in Cool-Season Turf*

3:10 – 3:30 **Dr. Lemma Ebssa** (Department of Entomology, Rutgers University) *Biological Control of Black Cutworm in Golf Course Turf*

3:30 - 4:00 PM Discussion/Closing Remarks