

NIMBioS/SAMSI/ESA Graduate Workshop on Current Issues in Statistical Ecology

Tuesday April 14, 2015

7:00PM – 9:00 Informal gathering of participants as they arrive in the Hospitality Room of the Four Points by Sheraton Hotel

Wednesday April 15, 2015

8:00-9:00 Breakfast at NIMBioS

9:00-9:15 Introduction to NIMBioS and objectives of the Workshop – Lou Gross

9:15-9:45 Brief introductions of all participants

9:45–10:30 Wildfire and Forest Disease Prediction to Inform Forest Management: Statistical

Science Challenges - Charmaine Dean

10:30-10:45 Break

10:45-11:30 Downscaling climate change projections: An exercise in statistical computing - Brian Beckage

11:30-12:30 Breakout Session 1

Physiological data – Janneke Hille Ris Lambers – Room 206

Environmental/Habitat data – Charmaine Dean – Room 205

Population data - - Lucas Joppa – Room 103

Space-time data – Carlos Castillo-Chavez – Room 105

Vegetation surveys – Brian Beckage – Room 103a

12:30-1:30 Lunch at NIMBioS

1:30-2:15 Bayesian applications in plant and ecosystem ecology - Kiona Ogle

2:15-3:00 Communication skills –Crafting Your Message: The perfect elevator speech – Catherine Crawley

3:00-3:15 Break

3:15-4:15 Breakout Session 2

Time series data – Kiona Ogle - Room 105

Environmental/Habitat data - Janneke Hille Ris Lambers - Room 103a

Space-time data - Charmaine Dean - Room 205

Dispersal data - Lucas Joppa - Room 103

Human/cultural data - Carlos Castillo-Chavez - Room 206

4:15-5:00 Dissertation writing and getting published - Lou Gross and Workshop Leaders

5:00-5:30 Surviving grad school - Teresa Mourad

5:30-5:45 - Day wrap-up and assessment - potential topic changes for other days

5:45-6:45 Reception at NIMBioS

6:45-? Dinner on your own

9:00-10:30 Informal community networking - Hotel hospitality room

Thursday April 16, 2015

8:00-9:00 Breakfast at NIMBioS

9:00-9:45 Presentation by Carlos Castillo-Chavez

9:45-10:30 Impacts of climate change on plant communities: a pressing problem, noisy data and a smorgasboard of statistical tools - Janneke Hille Ris Lambers

10:30-10:45 Break

10:45-11:30 Presentation by Drew Schmidt - R and HPC

11:30-12:30 Breakout Session 3

Big Data, R and HPC - Drew Schmidt - Room 206

Physiological data - Janneke Hille Ris Lambers - Room 105

Environmental/Habitat data - Kiona Ogle - Room 103a

Population data - Brian Beckage - Room 103

Vegetation surveys - Lucas Joppa - Room 205

12:30-1:30 Lunch at NIMBioS

1:30-2:15 Counting and Conserving the World's 'Missing' Species - Lucas Joppa

2:15-3:15 Breakout Session 4

Physiological data - Kiona Ogle - Room 206

Time series data - Lucas Joppa - Room 205

Environmental/Habitat data - Janneke Hille Ris Lambers - Room 105

Space-time data - Brain Beckage - Room 103

Population data - Carlos Castillo-Chavez - Room 103a

3:15-3:30 Break

3:30-4:45 Non-academic Career Panel - Yetta Jager (Oak Ridge National Lab - Senior Scientist, Environmental Sciences Division), Lucas Joppa (Microsoft Research - Head, Conservation Research Unit), Chris Oswalt (US Forest Service - Research Forester), Teresa Mourad (ESA Director of Education and Diversity Programs), Janet Rock (National Park Service - Botanist, Great Smoky Mountains National Park), Alex Wyss (The Nature Conservancy in Tennessee - Director of Conservation Programs)

4:45-5:30 Academic Career Panel - Lou Gross, Suzanne Lenhart and Workshop Leaders

5:30-5:45 - Wrap up and decision on topics for AM Break-out sessions

5:45-? Dinner on own

9:00-10:30 Informal community networking - Hotel hospitality room

Friday April 17, 2015

8:00-9:00 Breakfast at NIMBioS

9:00-10:30 Breakout sessions 5

Workshop Leaders in groups as per decided by participants

10:30-10:45 Break

10:45-12:15 Breakout sessions 6

Workshop Leaders in groups as per decided by participants

12:15 - 1:00 What's next - future planning - Teresa Mourad

1:00-1:30 Wrap-up session - what would assist you as you move forward

1:30 Box Lunch and departure