

Day 0- Dinner for those arriving early enough in evening, meetings at hotel- times and locations TBD

Day 1

8:00 Breakfast available at NIMBioS

8:45 Welcome and Introduction to NIMBioS (Colleen Jonsson)

9:00 Introduction from Workshop leaders

Sean Hoban- motivation, orientation to topic and outcomes

Erin Landguth (role of simulations in developing and testing)

Mike Bruford (policy past and future); open discussion of goals and outcomes/ products

10:00 Ice breaker: Pair up w/ 3-5 others next to you, introduce yourself and motivation, share your first idea in response to the challenges posed by the Introduction speakers

10:15 *Coffee Break*, discussion or time for quick emails

10:45 Three talks on indices, methods (15 minutes plus 10 minutes for discussion for each)

Anne Chao- multivariate ecological indicators and standardization methods

Dan Faith- phylogenetics and traits, and biodiversity protection

Marie-Josée Fortin- "Usefulness of spatial networks in genetic studies"

~12:00 Lunch and time for email necessities

1:30 Recap morning; sharing thoughts that came up over lunch, discuss group formation

2:00 Two talks on genetic approaches including adaptation (15 minutes plus 10 minutes discussion each)

Louis Bernatchez- On the multiple routes to adaptation

Andrew DeWoody- "empirical data from recent conservation genomics projects- SNP fingerprinting and runs of homozygosity"

2:45 (with *10 min Coffee Break then*) Formation of groups (if ready); Breakout discussions- topics TBD but loosely based on talks or major themes that arise in discussions [record possible themes on a flipchart]

4:15 Feedback from groups and discussion in large group

5:15 Reception at NIMBioS with Poster Session- meet other postdocs, students at UTK

6:30 Dispersal to dinner locations- various

Day 2

8:00 Breakfast available at NIMBioS

8:45 Two talks on practical challenges, synthesis, reflections on Day 1 (15 minutes plus 10 minutes for discussion for each)

Sally Aitken- conservation genetics lessons in managing forestry

Maggie Hunter- conservation genetics lessons in managing endangered marine mammals

9:30 (*10 min Coffee Break then*) Re-formation/ adjustment of groups if needed; Breakout sessions

11:30 Feedback from groups in large group plus discussion

12:30 Lunch and time for email necessities (likely group photo time)

2:00 Group discussion of progress thus far

2:45 *Coffee Break*

3:15 Groups re-form, focusing especially on products/ outcomes**

6:00 Dispersal to dinner

Day 3

8:00 Breakfast available at NIMBioS

8:45 Presentations from each group, feedback

10:30 *Coffee Break*

11:00 break into groups, work on outputs and planning next steps**

12:00 working lunch

1:00 Final large group; closing thoughts, doubts, commitments, deadlines for products, next steps

2:30 Dispersal begins, for those with taxis; discussion continues for those remaining as appropriate

**It is possible that groups will need to fragment further for short periods- e.g. have a subgroup of 1 to 3 people look into a given topic, find a paper, discuss a model, etc. This will be determined by each group as needed