

# Investigative Workshop Next Generation Genetic Monitoring

EVALUATION SUMMARY REPORT
7-9 NOVEMBER 2016

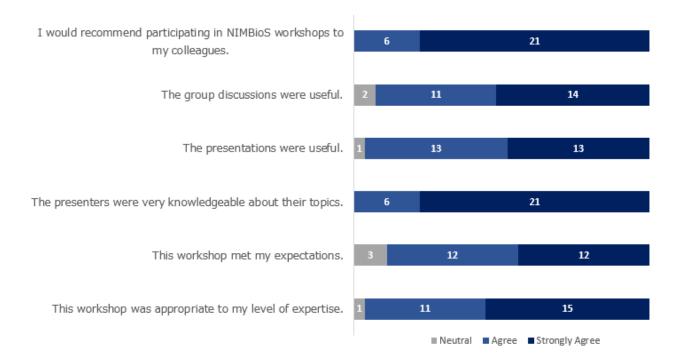
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Associate Director for STEM Evaluation

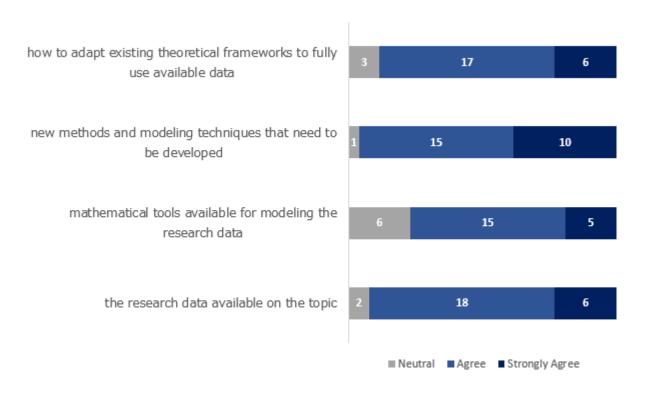
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**Figure 1.** Agreement with the following statements about this workshop:



**Figure 2.** Agreement with "As a result of participating in this workshop, I have a better understanding of..."



**Figure 3.** Level of satisfaction with the opportunities provided during workshop presentations and discussions to ask questions and/or make comments



Please indicate any suggestions you have for facilitating communication among participants during the workshop:

Establish a better way to integrate young and established researchers.

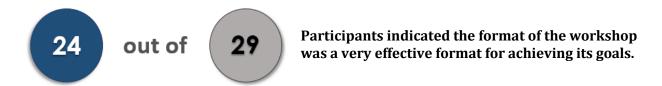
In hindsight, organizers should have explicilty warned against domineering the conversations. I heard afterwards that some participants (not in my own small group) found THEIR groups to be unsatisfactory because their voices were drowned out by more dominant personalities. The organizers should have tried to nip this in the bud.

See earlier comment about rotating short small-group discussions.

# The workshop could have been more effective if:

Fewer presentations & more focus from the organizers on our goals and objectives.

it had less assigned structure



Do you feel participating in the workshop helped you better understand the research going on in disciplines other than your own on the workshops topic:

Great workshop, timely topic!

It was great to be among a lot of other people thinking about these problems in different ways from me (a bit isolated from this where I work).

Particularly in how linking my expertise to other topics not currently covered by my research program; and how to link those to my expertise in statistics and mathematics

This is so far my best ever attended workshop. The discussions are very helpful.





Participants felt the workshop helped them better understand the research going on in disciplines other than their own on the workshops topic.

Do you feel the workshop made adequate progress toward finding a common language across disciplines for research on the workshop's topic:

Excellent range of participants

I think the workshop made quite a lot of progress here. Although I think there is some work to go to establish a common ground on the value of phenotypic/species diversity versus genetic diversity.

Surprisingly enough! We were all able to find a common language to expedite and optimize information exchange and productivity

We didn't have enough time to fully hash this out in our small group.

Yes but it was far too short to do more than scratch the surface.



Participants felt the workshop made adequate progress towards finding a common language across disciplines for research on the workshop's topic.

Do you feel that the exchange of ideas that took place during the workshop will influence your future research?

Very much; particularly because we have established some very interesting mid-term collaborations. I also met good experts in my field that I had the chance to meet and establish a great rapport for the first time.

At the moment I have a number of specific projects not directly related to the concerns of the workshop. Perhaps what comes out the joint papers we are working on will have influence in future; possibly in the area of quantifying locally adaptive genetic diversity.



Participants felt the exchange of ideas that took place during the workshop will influence their future research.

Did you develop plans for collaborative research with other workshop participants with whom you had not previously collaborated?

Absolutely; refer to my previous comment.

We are working on a couple of joint papers. At the moment these are mostly of a review nature. But perhaps some collaborative research may come. I am currently in communication with one of the participant's PhD students on a research project.



out of



Participants developed plans for collaborative research with other workshop participants with whom they had not previously collaborated.

# What would you change about the workshop?



Although I chose to join my small group, I did not feel like I could contribute much and the overall atmosphere ended up being very negative. I would have liked the opportunity to change groups after a few hours

Did not actually discuss the mechanics of working with NGS data, nor how to most efficiently apply it in a relatively uniform way to conservation. This seemed to be one of the objectives of the

workshop, but most of our work focused on reviewing case studies and future directions in an abstract sense

fewer or shorter talks, more time for interaction

Fewer presentations

Had fewer introductory talks to allow more time for working groups

I did not like the forced-group activities.

I don't think any changes I would make would have improved the formation of groups. I was a bit out of my league in my group considering I was in a group with theoreticians. I learned a lot, but not sure how much I could contribute in the realm our paper besides background writing.

Increasing the length by one or more days

It was a large group and I would have liked to have interacted with more of the participants in the smaller group format but there wasn't time. Perhaps an approach like lightning rounds of small (2-3 people) discussions on the first day could have be useful, structured during breaks or lunches? But generally it was excellent, and the schedule was very full.

Make the days slightly shorter and encourage more whole group mingling. There were multiple people I would have liked more time to chat with and get to know and their research better.

More clear and focused goals for discussion topics

More focus.

More than one time event.

nothing

Nothing - I think the structure and flow was very organic and productive.

Nothing really; perhaps to have a better exchange among participants to find a formula for discussions that would integrate better our expertise. But, at the end, it worked really well regardless of this potential issue, which at the end did not affect progress.

Possibly add one additional day or half-day to the schedule.

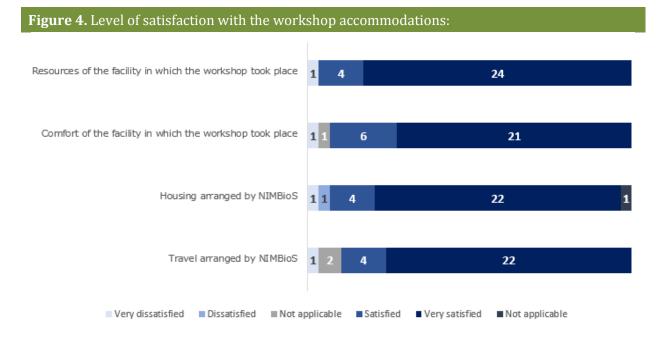
process for assigning groups was not transparent but had a large effect on what happened

Put some time in for an afternoon's hiking! It was a bit too intense.

Smaller number of formal presentations and more time for discussion

We needed another day or two to fully flesh out our ideas.

We spent a good deal of time deciding how to break into groups. This could have been begun prior to the workshop to limit the discussion time.



#### Comments about accommodations:

Excellent at all levels. The staff people at NIMBioS are just great!

#### Excellent!

Not enough small meeting rooms. One of the small groups formed during the workshop had to meet in the common room/cafeteria.

The hotel had a running toilet and broken heater.

## What do you feel was the most useful aspect of the workshop?



Applying math/stat methodologies to genetic data analyses

Being able to discuss ideas in small groups

Bringing together researchers from diverse disciplines and levels of accomplishment.

Building a network of collaborators and developing ideas with them.

Conversations with people from different fields.

getting away from stuff at work

I had a chance to meet people I only knew from the literature in person. So I might argue that the side conversations were as beneficial as the main discussions

I was able to interact with scientists that I likely would never have otherwise. I also gained a more thorough understanding of theoretical shortcomings in population genetics/omics.

I was fortunate in that my small group was terrific; we worked together very well and are now actively collaborating.

It was valuable renewing links with colleagues who I had not been in communication with for many years. We are working on joint review papers. I hope some more research-related projects may be generated in the future. I also enjoyed the debates with the phenotypic/species biodiversity people, and I would be interested in taking these ideas further into population aenetics.

join experts on the field

Meet and establish collaborations with colleagues working on different but complementary research problems than me

Meeting active scientists with different backgrounds from my own.

Meeting colleagues from different fields...

Meeting new researchers.

Meeting other researchers who I probably wouldn't otherwise have had a chance to meet meeting with practitioners. Exchanging ideas with people from outside my very specific field small group meetings with new collaborators

Small group work on directed topics

Talking with and learning from leaders in the field

The discussion among people from very different backgrounds, mathematicians, geneticists, and ecologists

The diversity of participants was extremely helpful because we were able to consider a wide range of opinions and scientific experience and background.

The insights provided by bringing together researchers from different theoretical and organismal backgrounds.

The presentations

The small group work on developing ideas for a collaborative paper.

To establish important gaps in current analytical frameworks and use the expertise of the group to establish very tangible products to deal with these gaps.

### Please use this space for any additional comments:

Best workshop I've participated in, and I'm mid- to late-career. I normally dislike small groups, and I'm not sure if I just got lucky but my group was terrific. Plus, Sean Hoban did a great job as coordinator/director. It was really a good use of my time, far more so than I ever expected.

Compared to other similar events that I attended in the past, this one was by far the best by all means

I don't have any additional comment. All to say that was one of the best workshops I attended in the past 5 years.

It was a highly worthwhile meeting, and I think it will have a positive impact on my research and my research network with other academics.

It was extremely well-organized and I think very productive.

More low gluten options would have been appreciated! :)

No further comments about this excellent workshop

Overall really great experience, and I look forward to seeing the papers that come out of the workshops.

I would have liked more savory food (rather than sweet food) for the continental breakfasts--the savory food tended to run out.

Thanks very much for including me in this excellent workshop.