

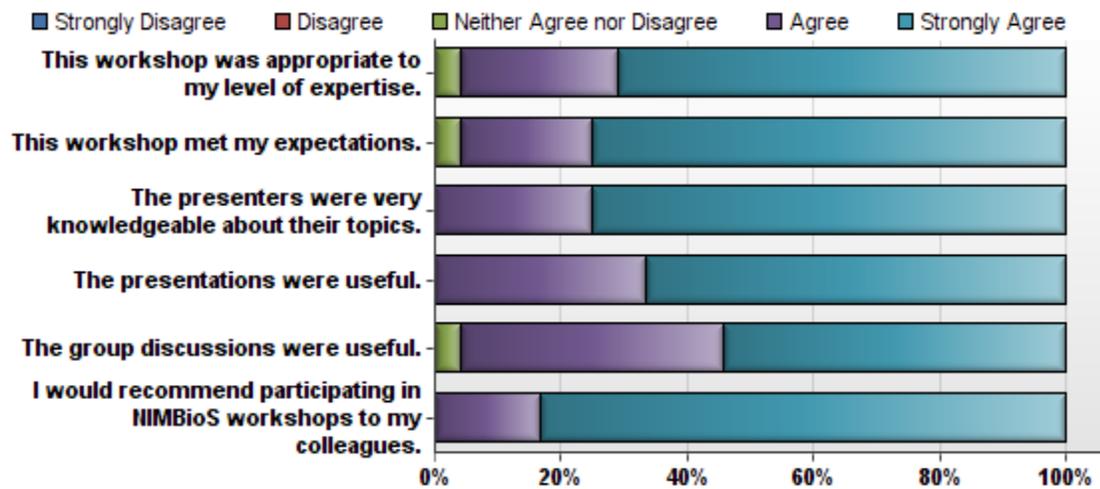


**Evaluation Summary Report**  
Workshop: *Malaria-Leishmania Co-infection*

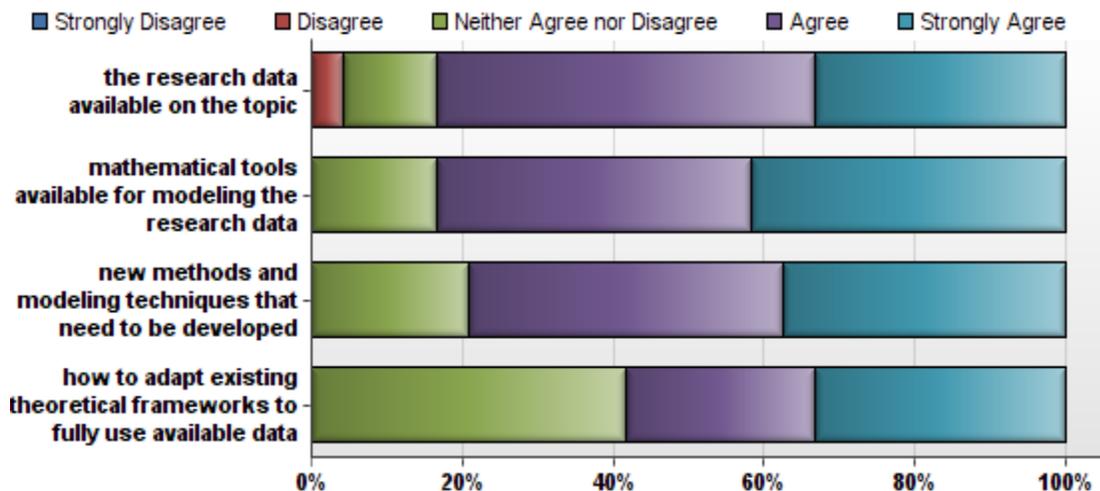
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Please check the appropriate box to indicate your level of agreement with the following statements about this workshop:



As a result of participating in this workshop, I have a better understanding of:



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

*Collaborating and finding new ways for future research*

*Sharing ideas and find collaborators.*

*The small group discussions*

*Very friendly environment. Nice topic and fruitful discussions.*

*The most useful aspect were to work, learn and interchange knowledge from people who works in different disciplines with the topic research. Moreover, it was an interactive workshop. All the organizers were well prepared.*

*Communication and creating contacts with senior researchers.*

*The different backgrounds of participants, and the mixture between young and experts*

*The small group working sessions.*

*Having people from various disciplines and expertise.*

*The interdisciplinary participation.*

*The time we spent as a group formulating research topics and questions, along with the limited time spent in smaller groups to discuss specific projects.*

*The diversity and balance of representation among the participants -- fairly equal male: female ratio, participants at all academic levels, many, many countries represented, excellent expertise in diverse areas of both mathematics and biology*

*Meeting some of the group with eyes towards future interaction*

*Meeting new people within the research area*

*To be in contact with people with different backgrounds and expertise helped to widen my research field. Also the organization of the workshop was a good combination of informative talks and group discussion and collaborative research.*

*The workshop was very helpful in allowing dialogue between various professionals from all over the world. This has increased the experience and the possibilities for new collaborative works.*

*The structure of the workshop was very helpful and encouraging for people to be productive. Also, the attendees were very easy to talk to. The environment among the attendees was very friendly.*

*The focus groups are an important piece that provides a platform to digest and discuss concepts and ideas.*

*Connections to other researchers and interaction with new mathematical topics areas that I had not previously worked in.*

*Allowing young scientist the opportunity to present at the workshop.*

*The talents and perspectives of the community involved.*

## **What would you change about the workshop?**

*I probably would get the participant's feedback on what to present. For example, send a list of topics, let the participants sent abstracts and then let the participants choose which presentations to have for everybody or in small groups. This information can also be useful to get the small groups working in advance.*

*I would have more time for discussion after the talks were presented. One more day for the workshop duration should do it.*

*The only thing that needs to be changed is the length of the workshop, I think if it last for a whole week it would be better.*

*Duration should be of 5 days, at least.*

*The format and organization of the presentations could be improved. There were some introductory presentations on the second day that would have been more useful on the first day. It may also have helped to have fewer presentations and more time for discussions.*

*The division between time for talks and time to work was not balanced. The best workshops I have attended had very few talks and lots of time for collaborative work. There were also not enough breaks, so I had to excuse myself during talks which I would have preferred not to do.*

*Perhaps set out expectations for the end of the workshop a little earlier, but on the whole I thought this was an excellent and stimulating experience.*

*Perhaps the way we identified the research questions. I think the process should be better structured.*

*More participation*

*It was great how it was.*

*A little more time for group work.*

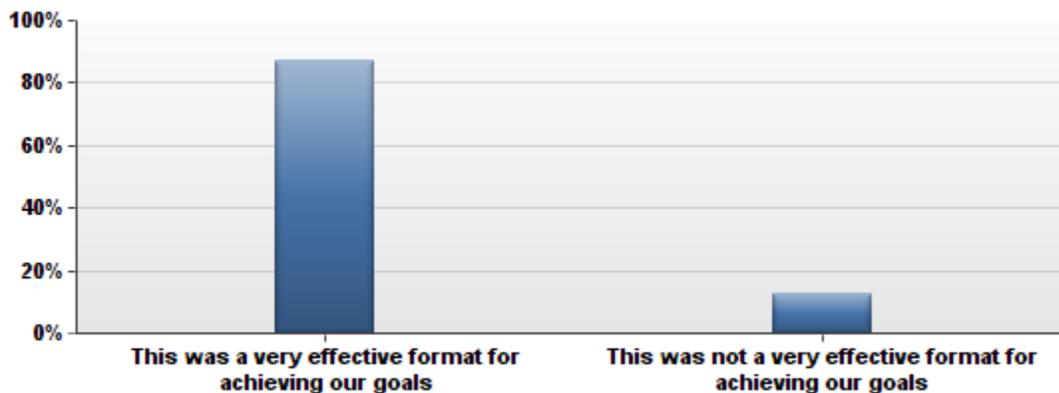
*Perhaps one more extra day would be helpful in getting something more concrete before the group leaves NIMBioS.*

*I wish there was more opportunity to participate in multiple working groups.*

*More focused group work sessions.*

*Move to co-infections that share the same vector ... or expand the topic to include the study of reservoirs and the population dynamics of the vectors. Why is co-infection rare?*

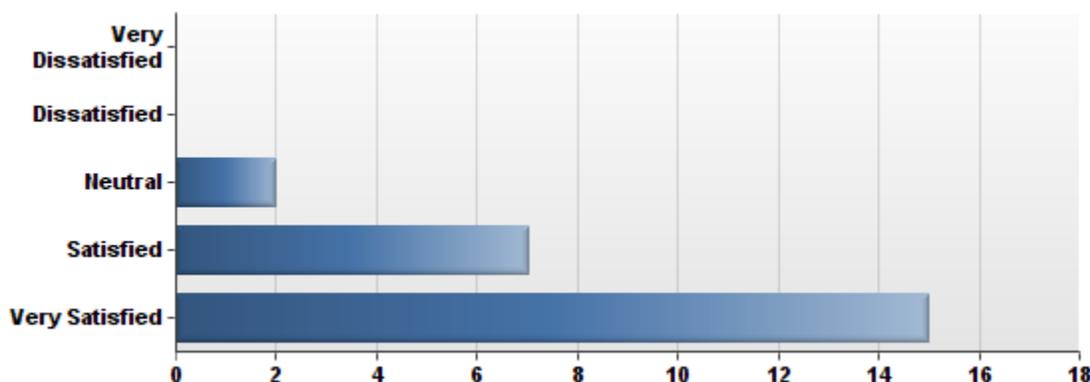
### How do you feel about the format of the workshop?



### The workshop format would have been more effective if:

*More time is given for discussions*

**How satisfied were you 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:**

*I think rules about questions should be clearly stated. During the first session one same person used almost all the time for questions asking questions that were out of the main goals of the workshop.*

*The workshop should last at least 3-4 days so people have more time to present and discuss their work in tranquility.*

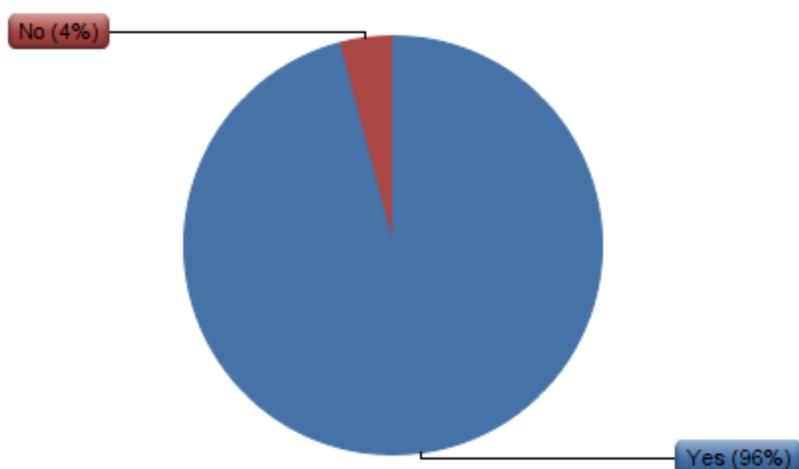
*The workshop was for 3 days, and we get to know each other well by the end of day 2, so I guess if it last for more than 3 days that well enhance the communication between the participants*

*The schedule did not allow enough time to compensate for delays or some talks running a little long, so many questions went unanswered. Had there been more breaks, this would have compensated for the rigid talk schedule, providing participants the opportunity to chat with the presenter. Overall, there was just too much time spent on talks and not enough allotted for working, in my opinion. That being said, I think all of the talks were very good and informative - I'm just looking for fewer talks in a workshop setting, unless they are designed to teach methods or techniques, etc.*

*The communication was encouraged, and the range of spaces allowed communication with the various participants*

*Extremely well facilitated particularly by Anuj Mubayi*

**Do you feel participating in the workshop helped you better understand the research going on in disciplines other than your own on the workshop's topic?**



**Comments:**

*It was a very well organized workshop. The subject was very interesting. I enjoyed very much. Looking forward to continue the collaboration with the participants.*

*Sure, it was really interesting to participate and learn and interchange knowledge from people from different disciplines.*

*Beyond becoming more familiar with this topic and how math/economics affects Public Health's solutions to this health issue - I also learned an important lesson that I didn't even know I was missing. Basically, I have come to realize that this was the first research Workshop that I had ever attended. I think that I have attended conference before which although claiming to be 'workshops' really did not do that part of the information/idea exchange justice. I am so honored to have attended and been introduced to what a real Workshop is like. As a Graduate Student just starting on the professional research track, this is such a valuable experience. Unfortunately, due to work emergencies, I was unable to participate in the group work portion, but I attended and networked with experts in a few fields very different from my own and a few fields that were already very familiar to me. I hope very much to apply to another NIMBioS Workshop in the future (I'm eyeing the Warfare/Social Modeling workshop), now that I know what to expect (especially in terms of schedule commitments). If I am selected for another Workshop, I will ensure that work emergencies will be properly addressed in a way that still allows me to attend and fully participate. I want to be part of the creative problem solving! Thank you!*

*I think this will largely depend on the post-Workshop interaction we are organizing*

*The discussions were very useful to understand what has been studied so far in malaria leishmaniasis co-infection.*

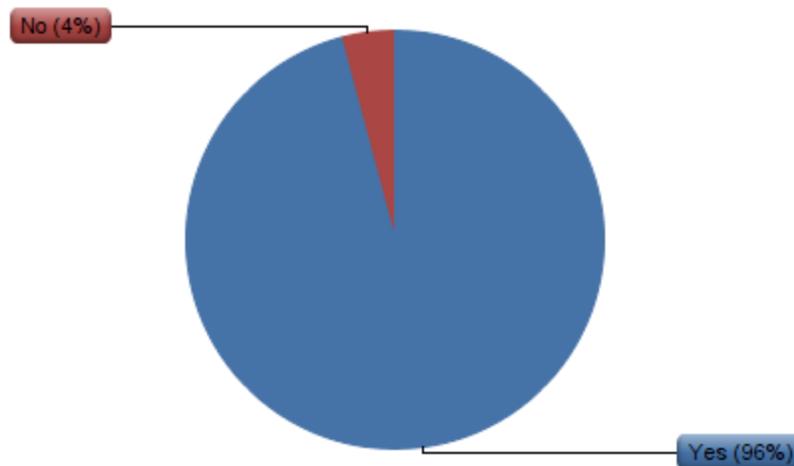
*In the workshop we discussed the issue of co-infection malaria-leishmaniasis, while we add other important aspects in the discussion, which enables us to better understand the problem, from the interdisciplinary view.*

*Interacting with individuals who are very knowledgeable in the topic was really eye opening. I learned a lot from talking to other attendees.*

*I had not read about Leishmaniasis before, the workshop gave me a lot of insight into the disease*

*It was useful to have individuals from Africa and India with a different perspective and vision*

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



**Comments:**

*Every group that was formed during the workshop had the active participation of both biologists and mathematicians. Very useful!*

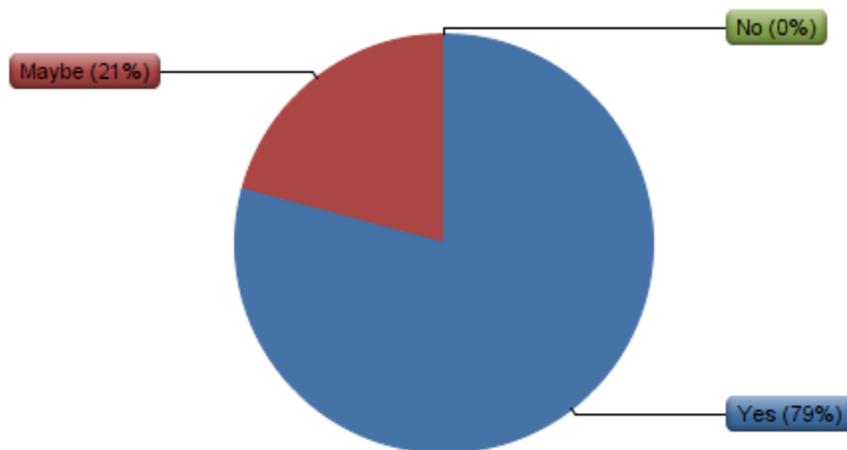
*Not adequate yet, but in progress*

*There was constant interaction between people of completely different fields of research. There was enough time to communicate and find that common language. There was enough enthusiasm towards continuing that communication even after the workshop.*

*The first step of the workshop was to make the participants understand the importance of co-infection in the social, economic, biological and environmental factors and the importance of controlling both diseases*

*To some degree -- co-infection may involve different diseases and the intersection of malaria and leishmaniasis may not provide the most useful path in the study of co-infections.*

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



**Comments:**

*What I believe now is that I need to take more Math, not Statistics classes like I have been told (by people who don't attend research workshops).*

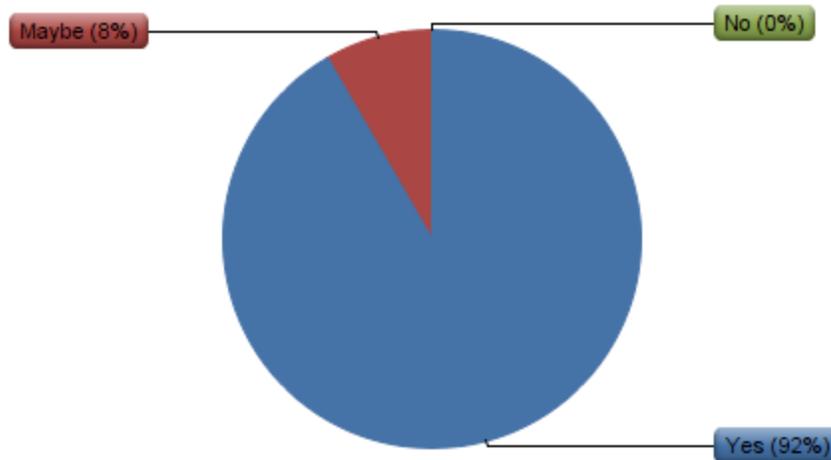
*The workshop has opened up a lot of new doors for potential collaborations on a subject that is not part of my current research.*

*I established collaborations with different people. So I think my research will be influenced by the research that we will develop.*

*The exchange of experiences and ideas is the main gain of the workshop. Discuss with professionals from other areas allows dialogs and the growth of research*

*Again, the vision brought by diverse individuals and international researchers is rarely seen at events like this one.*

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



**Comments:**

*Several.*

*We are discussing the possibility of obtaining real data to validate the mathematical models we sketched. In addition, we will also seek for new analysis on the subject of malaria.*

*We already have some ideas of papers but will require a lot of work to accomplish the goal.*

*Preliminary ... not so easy to follow up ...*

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

*This is a very productive workshop.*

*I think the NIMBioS does an excellent job at promoting diversity in research. I have never attended such a diverse working group, with people from so many countries, and diverse backgrounds looking at a common problem. I also think that this diversity positively impacts the quality of the synthetic research that emanates from its activities, since it is able to capture several vantage points from problems affecting society, as well as, experiences in dealing with them. I think the NIMBioS needs to continue its outstanding job and further promote the creation of international research consortia that will help to understand/solve problems faced by society.*

*I want say thank you to all the people from NIMBioS. I am really glad to have this wonderful experience at NIMBioS workshop. Kind regards*

*Overall I think the workshop was successful in bringing diverse backgrounds and fields together to tackle this very under-studied problem. Tackling leishmaniasis alone, I think would have even been sufficient, as this topic is very much neglected, but I think asking the co-infection question may have been successful in drawing a larger audience. In particular, the workshop was very successful in putting the right people in touch with one-*

*another to tackle this topic, and I suspect a lot of good work will come out of it. However, with more time allotted to working, I think it would increase the likelihood of successful and long-term collaboration. One thing organizers should take into consideration in the future are the dates of these events. My family and I were not particularly pleased that I had to travel on Memorial Day to reach this event. Had I not already made a commitment, I would have cancelled, and I would not be surprised if it deterred others from attending. I know it was not intentional, but it may be something NIMBioS should remind the organizers of when they are selecting their dates.*

*The workshop was an excellent opportunity to exchange ideas and experiences. I believe the results will come, because the groups continue to meet virtually. We can continue in the collaborative works and thus can make proposals to control co-infection malaria-leishmaniasis*

*This was a great meaning. I learnt a lot and was able to establish some new connections*

*The mixture of researchers (areas and nations) combined with the high percentage of young researchers turn out to be an asset. The topic was interesting but may not offer the best route to interesting results. The vectors are different and they may not share the same habitat in significant ways. The comparisons between the African versus the Indian situation turned out to be incredibly useful and enlightening. The organizers did a great job, particularly Anuj Mubayi.*