

MINUTES OF THE 193rd MEETING OF THE REVIEW COMMITTEE ON GENETIC MANIPULATION (RCGM) HELD ON 12.11.2020 IN THE DEPARTMENT OF BIOTECHNOLOGY

The Chairman, RCGM extended a formal welcome to the members of the RCGM for the 193rd meeting and initiated the process of the meeting. The list of participants is given at Annexure-I.

2. The Committee adopted the minutes and recommendations of the 192nd meeting of the RCGM held on 29.10.2020

3. On action taken report, the Member-Secretary informed that during the 192nd meeting of the RCGM, a total of 39 applications including information items were considered and the Secretariat is in the process of issuing requisite permit letters based on the recommendations of the RCGM.

4. Proposals considered

4.1 Applications in the area of pharmaceuticals

The Committee considered applications to import codon optimized genes of SARS-CoV2 spike delta protein, Coronavirus SARS-CoV-2, recombinant vectors expressing SARS-CoV2 spike protein, frozen mycelium stock of *Myceliophthora thermophila*, *Hansenula polymorpha*; to receive SARS-CoV2 Sera; pre-clinical toxicity study reports on biosimilar Tocilizumab, Bevacizumab, Teriparatide. deliberation on Aflibercept and SARS-CoV2 mRNA vaccine. After deliberation on each application including information items, appropriate decision was taken by the RCGM.

4.2 Applications in the area of Agriculture

The Committee considered applications to receive GE cotton lines expressing Cry1Ac protein; to transfer GE cotton lines expressing Cry1Ac protein and to transfer GE cotton of events Glytol and Twinlink. After deliberation on each application including information items, appropriate decision was taken by the RCGM.

5. IBSC Reports

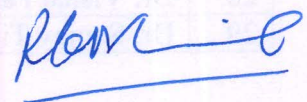
The Committee considered minutes submitted by four IBSCs, Nil annual compliance reports and Nil medical surveillance report, and appropriate decision was taken by the RCGM.

6. Other items

The Committee considered the use of appropriate containment facility required for cloning and expression of SARS CoV2 protein into risk group 1 classified organism.

No other transaction took place and the meeting ended with vote of thanks to the chair.

The Minutes are approved.



(Dr. Rakesh Kumar Mishra)
Chairman, RCGM

Annexure I: List of Participants

| List of Participants: | | |
|--------------------------------|--|--------------------|
| 1. | Dr. Rakesh Kumar Mishra, Director-CCMB, Hyderabad | Chairman |
| 2. | Dr. Amita Aggarwal, Professor, SGPIMS, Lucknow | Co-Chair (Pharma) |
| 3. | Dr. Alka Sharma, Scientist 'G' & Head Regulation, DBT | Member |
| 4. | Dr. Gururaj Katti, Former Principal Scientist & Head, ICAR- IIRR, Hyderabad | Member |
| 5. | Dr. P. V. Mohanan, Scientist 'G', SCTIMST, Thiruvananthapuram | Member |
| 6. | Dr. Anand Kumar Kondapi, School of Life Science, University of Hyderabad, Hyderabad | Member |
| 7. | Dr. R. Uma Shaanker, University of Agricultural Sciences, Bengaluru | Member |
| 8. | Dr. Chandish R. Ballal, Former Director, National Bureau of Agricultural Insect Resources, Bangalore | Member |
| 9. | Dr. Neelam S. Sangwan, Head, Department of Biochemistry, Central University of Haryana, Mahendergarh | Member |
| 10. | Dr. Rajnish Kumar Chaturvedi, CSIR-Indian Institute of Toxicology Research, Lucknow | Member |
| 11. | Dr. K.G.Tirumurugaan, Professor, TANUVAS, Chennai | Member |
| 12. | Dr. Rajesh Gokhale, National Institute of Immunology, New Delhi | Member |
| 13. | Dr. Pradyumna Kumar Singh, CSIR-National Botanical Research Institute, Lucknow | Member |
| 14. | Dr. Shilpi Paul, Scientist E, SERB | Nominee-DST |
| 15. | Sh. Jayant Ganga Khedkar, Asstt Drugs Controller(I), CDSCO | Nominee-CDSCO |
| 16. | Sh. Tarun Kathula, Director Biosafety, MoEFCC & Member Secretary-GEAC | Nominee-MoEF & CC |
| 17. | Dr. Nitin K. Jain, Scientist 'F', DBT | Member Secretary |
| 18. | Dr. Sangeeta Agarrwal, CSO, BSU, New Delhi | Special Invitee |
| 19. | Dr. Gandharva Nagpal, Scientist 'C', DBT | Secretariat Member |
| Biosafety Support Unit: | | |
| 20. | Dr. Pranjali Vishwakarma, Scientist | |
| 21. | Dr. Reema Sharma, Scientist | |
| 22. | Dr. Poonam Vishwakarma, Scientist | |
| 23. | Dr. Manpreet Kaur, Scientist | |
| Others: | | |
| 24. | Dr. Balareddy Bheemareddy, Hetero Biopharma Limited, Telangana | |
| 25. | Dr. Ramnath RL, Reliance Life Sciences Pvt. Ltd., Navi Mumbai | |
| 26. | Dr. Cyrus Karkaria, Lupin Ltd., Pune | |
| 27. | Dr. Akshaya S. Odak, Lupin Ltd., Pune | |
| 28. | Dr. Vishal Pavitrakar, Lupin Ltd., Pune | |
| 29. | Dr. Sanjay Tiwari, Lupin Ltd., Pune | |