

MINUTES OF THE 170th MEETING OF THE REVIEW COMMITTEE ON GENETIC MANIPULATION (RCGM) HELD ON 08.01.2019 IN THE DEPARTMENT OF BIOTECHNOLOGY

Since the Chairman, RCGM could not attend the meeting, the Co-Chairman (Pharma), RCGM extended a formal welcome to the members of RCGM to the 170th 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 169th meeting of the RCGM held on 20.11.2018.

3. On action taken report, the Member Secretary informed that during the 169th meeting of the RCGM, a total of 160 applications including information items was considered and the Secretariat is in the process of issuing the 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 genetically modified influenza strains, *Leishmania amazonensis* and *Leishmania infatum* strains, mutant and transgenic Zebrafish embryos cell lines, and transgenic *Drosophila* lines; to export Master and Working seed of recombinant Chikungunya Virus, transgenic *Drosophila* lines, and master cell bank of recombinant NSO cell line expressing Itolizumab; to receive recombinant *Saccharomyces cerevisiae* cell lines, and live attenuated *Leishmania* vaccine; to transfer working cell banks recombinant CHO cell line expressing Trastuzumab bulk, live attenuated *Leishmania* vaccine; request for waiver of preclinical toxicity study on recombinant Insulin Aspart; to conduct preclinical toxicity study on recombinant Rituximab, Pegylated Epoietin, live attenuated *Leishmania* vaccine; Insulin Glargine; and pre-clinical study reports on recombinant Adalimumab, Human Insulin, Insulin Aspart, Dengue Tetravalent Vaccine, Dengue Monoclonal antibody, Darbepoetin, and Liraglutide. 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 import seeds of transgenic cotton, and model legume *Medicago truncatula*; to export seeds of transgenic *Arabidopsis* and Brinjal; to transfer genetically engineered Eucalyptus plants; to conduct confined field trial for event selection on transgenic maize; Harvest & termination report on event selection trial of Nitrogen Use Efficient rice; and request for extension of validity to conduct the confined field trial for event selection of transgenic cotton. After deliberation on each application including information items, appropriate decision was taken by the RCGM.

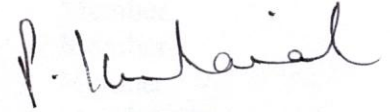
4.3 Other items

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

The minutes are approved.

Date: 05.02.2019

Place: Hyderabad



(Dr. P.Kondaiah)
Acting Chairman, RCGM

List of Participants:

- | | |
|---|---------------------|
| 1. Prof. P. Kondaiah, IISc, Bangalore | - Acting Chairman |
| 2. Dr. S.R. Bhat, Emeritus Scientist, NRCPB, New Delhi | - Co-Chairman(Agri) |
| 3. Dr. Shailja Hittalmani, Emeritus Scientist, UAS, Bangalore | - Member |
| 4. Dr. Vanga Siva Reddy, CSO, BSU, New Delhi | - Member |
| 5. Dr. Vishwanthan Chinnusamy, IARI, New Delhi | - Member |
| 6. Dr. Gururaj Katti, Principal Scientist, IIRR, Hyderabad | - Member |
| 7. Dr. S.K. Rath, Principal Scientist, CSIR-CDRI, Lucknow | - Member |
| 8. Dr. A.K. Kondapi, University of Hyderabad, Hyderabad | - Member |
| 9. Dr. Debendra K. Sahoo, IMTECH, Chandigarh | - Member |
| 10. Dr. Jayant Gangakhedkar, ADGI, CDSCO | - Nominee DCG(I) |
| 11. Dr. Gurinderjit Randhawa, NBPGR, New Delhi | - Nominee, NBPGR |
| 12. Dr. Murali Krishana, MoEF&CC, New Delhi | - Nominee, MoEF&CC |
| 13. Dr. P K Chakrabarty, ICAR, New Delhi | - Nominee, ICAR |
| 14. Dr. Sanjay Kumar, CSIR, New Delhi | - Nominee, CSIR |
| 15. Dr. S.R. Rao, Scientist-G, DBT | - Member Secretary |
| 16. Dr. Rajalakshmi Muralidharan, Scientist-F , DBT | - Member |
| 17. Dr. Sanjay Kalia, Scientist-E, DBT | - Member |

Biosafety Support Unit:-

18. Dr. Sangeeta Agarwal, Chief (Agriculture)
19. Dr. G R Soni, Chief (Bio-Pharma)
20. Dr. Anuradha Gupta, Scientist
21. Dr. Swati Ojha, Scientist
22. Dr. Vikrant Singh Rajput, Scientist

Other representatives:

23. Dr. Harish Shandilya, M/s. Enzene Biosciences, Pune
24. Dr. Ramesh, M/s. Enzene Biosciences, Pune
25. Dr. Vedprakash, M/s. Enzene Biosciences, Pune
26. Dr. Tulasi Ram, M/s. Genesys biologics Pvt. Ltd., Telangana
27. Dr. Yogesh, CEFT, Sri Ramachandra University, Chennai
28. Dr. Nagraj Kampli, M/s. Metahelix Life Science, Bangalore
29. Dr. Shivakumar S., M/s. Metahelix Life Science, Bangalore
30. Dr. S Reddy, M/s. Aurobindo Pharma Ltd., Telangana
31. Dr. B. V Subba Raju, M/s. Aurobindo Pharma Ltd., Telangana
32. Dr. Disha Dadke, M/s. Aurobindo Pharma Ltd., Telangana
33. Dr. Amod Kale, M/s. Intox Pvt. Ltd., Pune
34. Dr. J H Patel, M/s. Cadila Healthcare Ltd., Ahmedabad
35. Dr. Chaitanyasinn Chudasama, M/s. Cadila Healthcare Ltd., Ahmedabad
36. Dr. Sanjay Bandhopadhyay, M/s. Cadila Healthcare Ltd., Ahmedabad
37. Dr. Md. Sadil A Mulla, M/s. Vimta Labs Ltd., Hyderabad
38. Dr. A. Selvapandiyan, Institute of Molecular Medicine, Jamia Hamdard, New Delhi
39. Dr. Renuka Joshi, M/s. Biogenomics Ltd., Thane
40. Mr. Nikhil Ghadi, M/s. Biogenomics Ltd., Thane