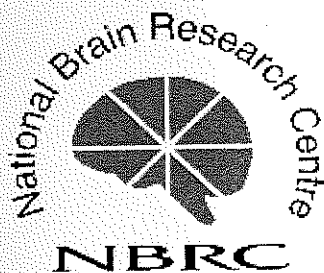


# **NATIONAL BRAIN RESEARCH CENTRE**



**MINUTES OF THE  
14<sup>TH</sup> MEETING OF THE BOARD OF STUDIES  
held on 06<sup>th</sup> APRIL 2016**

## Minutes of the 14<sup>th</sup> Meeting of the Board of Studies of NBRC

held on 06<sup>th</sup> April 2016 at 3.30 pm. at NBRC, Manesar

The 14 Meeting of the Board of Studies of NBRC was held on 06<sup>th</sup> April 2016 at NBRC. The following members attended the meeting:

|                                                                                                           |          |
|-----------------------------------------------------------------------------------------------------------|----------|
| 1. Prof. Subrata Sinha<br>Director, NBRC                                                                  | Chairman |
| 2. Prof. Krishnamurthy Natarajan<br>Dr. B.R.Ambedkar Centre of Biomedical Research<br>University of Delhi | Member   |
| 3. Prof. Chitra Sarkar<br>AIIMS, New Delhi                                                                | Member   |
| 4. Prof. Prasun Roy<br>Scientist VII, NBRC                                                                | Member   |
| 5. Prof. Neeraj Jain<br>Scientist VII, NBRC                                                               | Member   |
| 6. Prof. Pravat Mandal<br>Scientist VI, NBRC                                                              | Member   |
| 7. Prof. Nihar Jana<br>Scientist VI, NBRC                                                                 | Member   |
| 8. Prof. Pankaj Seth<br>Scientist VI, NBRC                                                                | Member   |
| 9. Prof. Nandini Singh<br>Scientist VI, NBRC                                                              | Member   |
| 10. Prof. Shiv Sharma<br>Scientist VI, NBRC                                                               | Member   |
| 11. Dr. Anirban Basu<br>Scientist V, NBRC                                                                 | Member   |
| 12. Dr. Ellora Sen<br>Scientist V, NBRC                                                                   | Member   |
| 13. Dr. Ranjit Giri<br>Scientist V, NBRC                                                                  | Member   |
| 14. Dr. Yoganarasimha<br>Scientist IV, NBRC                                                               | Member   |
| 15. Dr. Sourav Banerjee<br>Scientist IV, NBRC                                                             | Member   |
| 16. Dr. Arpan Banerjee<br>Scientist IV, NBRC                                                              | Member   |
| 17. Dr. Anindya Ghosh Roy<br>Scientist IV, NBRC                                                           | Member   |

### Item No. 14(1): Welcome by the Chairman, Board of Studies

Prof. Subrata Sinha, Chairman, BOS, welcomed the Members to the 14<sup>th</sup> meeting of the BOS and introduced external members of the BOS Prof. Krishnamurthy Natarajan and Prof. Chitra Sarkar to other members of the BOS.

**Item No. 14(2):** Confirmation of the minutes of the 13<sup>th</sup> meeting of the BOS held on 07<sup>th</sup> October 2014

As there were no comments received from the members of BOS, the minutes of 13<sup>th</sup> meeting of BOS was confirmed (**Annexure\_A**)

**Item No. 14(3):** Action taken on the recommendations made by BOS in its 13<sup>th</sup> meeting

BOS members reviewed the action taken on the recommendations made in the 13<sup>th</sup> meeting of BOS and noted (1) implementation of the revised syllabus for MSc (Neuroscience) practicals and (2) rephrasing of the content of the relevant regulation related to submission of synopsis and thesis.

**Item No. 14(4):** Approval of Doctoral Committees for Integrated PhD and PhD Students (2014 batch)

BOS approved the Doctoral Committees for the following students:

1. Mr. Raghav Shankar
2. Ms. Arti Kumari
3. Ms. Mukta Kumari
4. Mr. Tipu Khan
5. Mr. Dharmendra Puri
6. Mr. Gourav Sharma
7. Ms. Shelly Pal
8. Mr. Pruthvi S.G.
9. Ms. Harjot Kaur

The approved list of Doctoral Committees is enclosed as **Annexure\_B**

**Item No. 14(5):** Ratification points:

The board of Studies ratified the following points:

- (i) Nomination of Prof. Shiv Kumar Sharma as Supervisor of Mr. Deepak Poria, Integrated PhD student, NBRC.
- (ii) (a) The Doctoral Committees for following Integrated PhD and PhD students (2013 batch):
  1. Ms. Atrayee Basu
  2. Ms. Shruti F.Nagaral
  3. Ms. Priyanka
  4. Mr. Neeraj Singh

The approved list of Doctoral Committees is enclosed as **Annexure\_C**



- (b) Replacement of a member in the Doctoral Committee of Mr. S. Balakumar, enclosed as **Annexure\_D**
- (c) Inclusion of an additional member in the Doctoral Committee of Mr. G. Vinodh Kumar, enclosed as **Annexure\_E**
- (iii) Revised list of four foreign examiners for evaluating the PhD thesis of Mr. Atul Gopal P.A. enclosed as **Annexure\_F**
- (iv) List of examiners for evaluating the thesis of the following students
  - 1) Ms. Piyushi Gupta enclosed as **Annexure\_G**
  - 2) Ms. Avantika Mathur enclosed as **Annexure\_H**
  - 3) Ms. Mahar Fatima enclosed as **Annexure\_I**

**Item No. 14(6): Revision of Doctoral Committee Members**

BOS approved the inclusion of member in the Doctoral Committee of Ms. Atrayee Basu, Integrated PhD student, enclosed as **Annexure\_J**

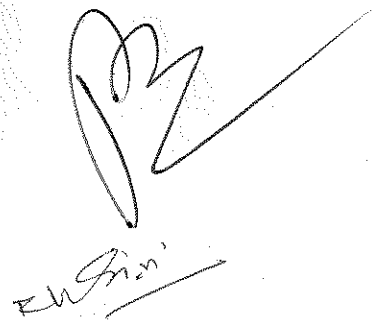
**Item No. 14(7): Evaluation of PhD thesis by foreign examiners**

BOS members discussed the matter regarding availability of examiners with expertise in the field within India currently and also the time spent on getting the PhD thesis evaluated outside India in detail and decided that the evaluation of PhD thesis by foreign examiner be made optional.

Accordingly, the **Form "A"** (Format for submitting the panel of examiners for evaluating the PhD thesis of NBRC students) is modified and enclosed as **Annexure\_K**

**Item No. 14(8): Any other point with the permission of the Chair.**

The meeting ended with vote of thanks to the Chair, as there were no other points for discussion.



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**Minutes of the 13<sup>th</sup> Meeting of the Board of Studies of NBRC held on  
07<sup>th</sup> October 2014 at 12 Noon at NBRC, Manesar – 122 051**

The 13<sup>th</sup> Meeting of the Board of Studies of NBRC was held on 07<sup>th</sup> October 2014 at NBRC. The following attended the meeting :

|                                                  |          |
|--------------------------------------------------|----------|
| 1. Prof. Subrata Sinha<br>Director, NBRC         | Chairman |
| 2. Prof. D. N. Rao<br>IISC, Bangalore            | Member   |
| 3. Prof. Rohit Manchanda<br>IIT, Bombay          | Member   |
| 4. Prof. P.K. Roy<br>Scientist VII, NBRC         | Member   |
| 5. Prof. Neeraj Jain<br>Scientist VII, NBRC      | Member   |
| 6. Prof. Pankaj Seth<br>Scientist VI, NBRC       | Member   |
| 7. Dr. Shiv K. Sharma<br>Scientist V, NBRC       | Member   |
| 8. Dr. Soumya Iyengar<br>Scientist V, NBRC       | Member   |
| 9. Dr. Anirban Basu<br>Scientist V, NBRC         | Member   |
| 10. Dr. Ellora Sen<br>Scientist V, NBRC          | Member   |
| 11. Dr. Yoganarasimha<br>Scientist IV, NBRC      | Member   |
| 12. Dr. Ranjit Giri<br>Scientist IV, NBRC        | Member   |
| 13. Dr. Sourav Banerjee<br>Scientist IV, NBRC    | Member   |
| 14. Dr. Arpan Banerjee<br>Scientist IV, NBRC     | Member   |
| 15. Dr. Anindya Ghosh Roy<br>Scientist IV, NBRC  | Member   |
| 16. Dr. Amitabha Majumdar<br>Scientist IV, NBRC  | Member   |
| 17. Mr. K.V. S. Kameswara Rao<br>Registrar, NBRC | Member   |

**Item No. 13(1): Welcome by Chairperson**

Prof. Subrata Sinha, Chairman, Board of Studies welcomed all the Members to the 13<sup>th</sup> meeting of the Board of Studies of NBRC.

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Chairman, Board of Studies also welcomed new members of Board of Studies, Dr. Anindya Ghosh Roy and Dr. Amitabha Majumdar, joined as Associate Professors & Scientist IV at NBRC and introduced them to Prof. D.N.Rao and Prof. Rohit Manchanda.

**Item No. 13(2): Confirmation of the minutes of the 12<sup>th</sup> meeting of the Board of Studies held on 12<sup>th</sup> September 2013 (Annexure-A)**

As there are no comments received from the members of BOS, the minutes of 12<sup>th</sup> meeting of BOS of NBRC were confirmed and attached herewith as **Annexure – A**.

**Item No. 13(3): Action taken on the recommendations made by Board of Studies in its twelveth meeting**

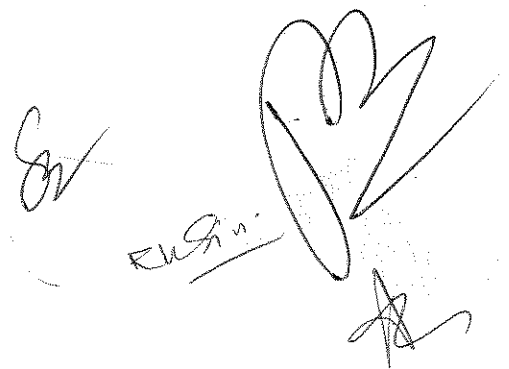
Members of Board of Studies noted the action taken on the recommendations made in the 12<sup>th</sup> meeting of Board of Studies of NBRC and noted the implementation of the revised syllabus of the Coursework subjects, restructuring the Lab Rotation and Inclusion of Clinical Neuroscience lectures in the Coursework.

**Item No. 13(4): Approval of Doctoral Committees for Int. Ph.D. and Ph. D. 2012 and 2013 Students**

BOS approved the Doctoral Committees for the following students :

1. Mr. Hriday Shankar Pandey
2. Mr. Abhishek Kumar Verma
3. Mr. Vikas Pareek
4. Ms. Reshma
5. Mr. Vipendra Kumar
6. Mr. Shashi Shekhar Kumar
7. Mr. Touseef Ahmad Sheikh
8. Mr. Biswaranjan Sahoo
9. Ms. Pushpa Kumari
10. Ms. Shalini Swaroop
11. Mr. Indrajith R.Nair
12. Mr. Tushar Arora
13. Mr. S.Balakumar
14. Mr. G.Vinodh Kumar

The approved list of Doctoral Committees is enclosed as **Annexure-B**

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**Item No. 13(5): Approval of panel of examiners for evaluation of Ph.D. thesis**

BOS approved the panel of examiners for evaluation of Ph.D. theses of the following students :

1. Mr. Ajit Ray
  2. Mr. Atul Gopal P.A.
  3. Mr. Sourish Ghosh
  4. Ms. Ruchi Ghildiyal
  5. Mr. Fahim Ahmad
  6. Ms. Sharika Cherodath
  7. Ms. Manju Tewari
  8. Mr. Pankaj S.Ghate
- (Annexures C-1 to C-8)

**Item No. 13(6): Revision of Syllabus of M.Sc. (Neuroscience) Practicals.**

The Board of Studies discussed on the revision of syllabus of M.Sc. (Neuroscience) practicals and approved the revised one as per Annexure -D.

**Item No. 13(7): Ratification of revision of syllabus of Membrane Biophysics**

The Board of Studies ratified the revision of syllabus of Membrane Biophysics.

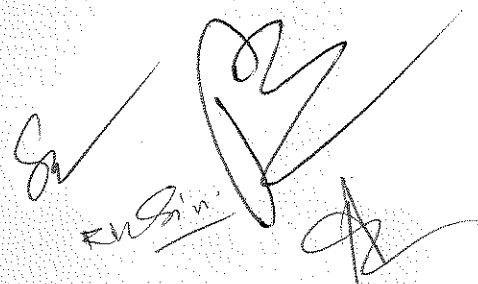
**Item No.13(8): Submission of Synopsis and Thesis- rephrasing the content of the relevant Regulation**

The Board of Studies discussed on the need for rephrasing the content of the relevant Regulation related to submission of Synopsis and Thesis. BOS approved the rule to be rephrased as follows :

1. The synopsis should be submitted by the student who is in the finishing stage of his / her research work. The synopsis should be seen by the Doctoral Committee and after obtaining approval of the Doctoral Committee, the student should submit the thesis subsequently.

**Item No.13(9): Evaluation of Ph.D. thesis by foreign examiners**

The agenda point has been deferred.



**Item No.13(10):** Any other point with the permission of the Chair.

**Item No.13(10)(i)** Revised list of examiners for evaluating the Ph.D. thesis in respect of Mr. Sadashib Ghosh

The Board of Studies approved the revised panel of examiners for evaluation of Ph.D. theses of Mr. Sadashib Ghosh. The approved list of examiners is enclosed as **Annexure C-9**.

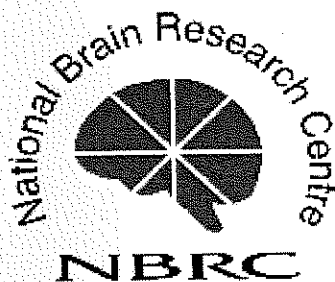
The meeting ended with vote of thanks to the Chair, as there was no other agenda item for discussion.

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# **NATIONAL BRAIN RESEARCH CENTRE**



**MINUTES OF 15<sup>th</sup> MEETING OF THE BOARD OF  
STUDIES HELD AT 2.30 PM. ON  
06<sup>th</sup> SEPTEMBER, 2018 AT NBRC, MANESAR**

**Minutes of the 15<sup>th</sup> Meeting of the Board of Studies of NBRC  
held on 06<sup>th</sup> September, 2018 at 2.30 pm. at NBRC, Manesar**

The 15<sup>th</sup> Meeting of the Board of Studies of NBRC was held on 06<sup>th</sup> September, 2018 at NBRC. The following members attended the meeting:

- |                                                                                                           |          |
|-----------------------------------------------------------------------------------------------------------|----------|
| 1. Prof. Neeraj Jain<br>Director, NBRC                                                                    | Chairman |
| 2. Prof. Krishnamurthy Natarajan<br>Dr. B.R.Ambedkar Centre of Biomedical Research<br>University of Delhi | Member   |
| 3. Prof. Pankaj Seth<br>Scientist VI, NBRC                                                                | Member   |
| 4. Prof. Shiv Sharma<br>Scientist VI, NBRC                                                                | Member   |
| 5. Prof. Soumya Iyengar<br>Scientist VI, NBRC                                                             | Member   |
| 6. Prof. Anirban Basu<br>Scientist VI, NBRC                                                               | Member   |
| 7. Prof. Ellora Sen<br>Scientist VI, NBRC                                                                 | Member   |
| 8. Prof. Ranjit Giri<br>Scientist VI, NBRC                                                                | Member   |
| 9. Dr. Yoganarasimha<br>Scientist V, NBRC                                                                 | Member   |
| 10. Dr. Sourav Banerjee<br>Scientist V, NBRC                                                              | Member   |
| 11. Dr. Arpan Banerjee<br>Scientist IV, NBRC                                                              | Member   |
| 12. Dr. Anindya Ghosh Roy<br>Scientist IV, NBRC                                                           | Member   |
| 13. Dr. Dipanjan Roy<br>Scientist IV, NBRC                                                                | Member   |

**Item No. 15(1): Welcome by the Chairman, Board of Studies**

Prof. Neeraj Jain, Chairman, BOS, welcomed the Members to the 15<sup>th</sup> meeting of the BOS and introduced Dr. Dipanjan Roy to other members of the BOS.

**Item No. 15(2): Confirmation of the minutes of the 14<sup>th</sup> meeting of the BOS held on 06<sup>th</sup> April, 2016**

As there were no comments received from the members of BOS, the minutes of 14<sup>th</sup> meeting of BOS was confirmed (**Annexure\_A**)

**Item No. 15(3):** Action taken on the recommendations made by BOS in its 14<sup>th</sup> meeting

BOS members reviewed the action taken on the recommendations made in the 14<sup>th</sup> meeting of BOS and noted implementation of the **Format for submitting the panel of examiners for evaluating the Ph.D. thesis of NBRC students.**

**Item No. 15(4):** Approval of Doctoral Committees for Ph.D. Students (2016 batch) and M.Sc. students who opted M.Sc.-Ph.D. Integrated program in 2017.

BOS approved the Doctoral Committee for the following students of Ph.D. 2016 batch and M.Sc. students who opted M.Sc.-Ph.D. Integrated in 2017 :

1. Ms. Tripti Joshi
2. Mr. Sibaram Behra
3. Mr. Shiladitya Laskar
4. Ms. Bindu
5. Ms. Himali Arora
6. Ms. Meenakshi Bhaskar
7. Mr. Neeraj Kumar

The approved list of Revised Doctoral Committees is enclosed as **Annexure\_B**

**Item No. 15(5):** Approval of Revised Doctoral Committee

BOS approved the Revised Doctoral Committees for the following students:

1. Mr. Touseef Ahmad Sheikh
2. Mr. Pruthvi S.G
3. Mr. Sandeep Kumar
4. Ms. Pooja Parishar
5. Ms. Mukta Kumari
6. Ms. Priyanka
7. Mr. Dharmendra Puri
8. Mr. S.Balakumar
9. Ms. Sarbani Samaddar
10. Mr. Gourav Sharma
11. Mr. Bharat Prajapati

The approved list of Revised Doctoral Committees is enclosed as **Annexure\_C**

**Item No. 15(6): Ratification points:**

The board of Studies ratified the following points:

- (i)
  - (a) The list of the Doctoral Committees for Ph.D. students (2015 batch) **Annexure\_D-1**
  - (b) List of Doctoral Committee of Mr. Shubham Krishna **Annexure\_D-2**
  - (c) Revised Doctoral Committee of following students **Annexure\_D-3**
    - 1. Ms. Himakshi
    - 2. Mr. Vikas Pareek
    - 3. Mr. Brijesh Kumar Singh
    - 4. Mr. Apoorv Sharma
    - 5. Ms. Guncha Bhasin
- (ii) List of examiners for evaluating the thesis of the following students is appended as **Annexure\_E-1 to E-12**
  - (a) Mr. Priyabrata Halder
  - (b) Mr. Kaushik Pramod Sharma
  - (c) Ms. Shalini Swaroop
  - (d) Mr. Imran Jamal
  - (e) Ms. Himakshi
  - (f) Ms. Shankamala Sen
  - (g) Mr. Sandeep Kumar
  - (h) Mr. Touseef Ahmad Sheikh
  - (j) Ms. Pushpa Kumari
  - (k) Mr. Brijesh Kumar
  - (l) Mr. Vikas Pareek
  - (m) Mr. Abhishek Kumar Verma

**Item No. 15(7) Addition of topic "Immune System in Health and Diseases" under Cell Biology syllabus, which is currently a part of the course Cell Biology and Biochemistry.**

BOS approved additional lectures involving "Immune system in brain health and diseases" will cover the topics:

Neuro-immunology: Immune cells in the brain, Understanding of immune-CNS interactions in neurological disease (such as Multiple sclerosis, Guillain-Barre),

Autoimmunity and Tolerance, Vaccines

Tumor immunology-Tumor immune evasion and immune surveillance

**Item No. 15(8):**

**Any other point with the permission of the Chair.**

1. Prof. K. Natarajan suggested that preferably two examiners for evaluation of a thesis should not be from same institute or University. BOS discussed and approved it.

2. BOS members discussed and suggested that Coursework Coordinators should meet and discuss the syllabus of the courses to evaluate it and if needed they will

- i) Ask the respective Course Coordinators/Supervisor to define the topics and subtopics under that syllabus in more details. This will help the students, as well as help the external examiner set the question paper. The number of lectures for each topic can also be mentioned.
- ii) Ask the Course Coordinators/Supervisors to meet and revise the syllabus to remove overlap, if any.
- iii) Ask the Course Coordinators/Supervisors to revise and update the syllabus as needed.
- iv) These revisions can be implemented from the 2<sup>nd</sup> semester of the current academic year or the next academic year.

BOS discussed and approved it.

3. BOS approved the suggestion of Prof. K. Natarajan to put the syllabus of courses online under the internal resources in the website of the institute.

4. BOS approved that Course Coordinators/Supervisors meet with the students after the final exams of each semester and discuss the question paper and answers.

5. According to the Gazette of India: EXTRAORDINARY PART III- SEC. 4 REGD. NO. D. L. 33004/99 published by authority dated July 20, 2016 and subsequently followed by suggestion/circular "D.O. Letter No 8-6/2017-TEL" of Ministry of Human Resource Development : "Action plan 17 by 17", the coursework coordinators of NBRC have gone through the currently offered courses available at [www.swayam.com](http://www.swayam.com) portal and identified four online courses that are relevant for the students at our Centre. Students can take these courses online and complete the assignments and exams also online. These courses will be optional.

BOS members discussed this proposal and it was approved.

BOS also approved facilitators for each of the courses, as follows:

- i) BRIDGING THE DEMENTIA DIVIDE (Prof. Shiv Kumar Sharma)
- ii) INTRODUCTION TO R (Dr. Dipanjan Roy)
- iii) SPOKEN TUTORIAL PYTHON - ENGLISH (Dr. Arpan Banerjee)
- iv) PSYCHIATRY - AN OVERVIEW (To be announced)

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