



# CALCUTTA SCHOOL OF TROPICAL MEDICINE

GOVERNMENT OF WEST BENGAL

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## Research Topics for current M.Phil and Fellowship students in Regenerative Medicine and Translational Science for completion of their degrees.

| S.No. | Name of the Student         | Course and Batch                        | Topic  |
|-------|-----------------------------|---|--|
| 1     | Dr. Diptendu Hajra          | M.Phil in RMTS<br>(Batch 2016-2018)     | Use of freshly collected cord blood to rectify anaemia in the background of Malaria.   |
| 2     | Dr. Nilotpal Kulavi         | M.Phil in RMTS<br>(Batch 2016-2018)     | Potential use of freshly collected cord blood to rectify Dapsone induced anaemia in Leprosy patients.  |
| 3     | Dr. Arijit Pal              | Fellowship in RMTS<br>(2016-2017)       | Application of freshly collected cord blood to rectify anaemia in patients with Leishmaniasis/Kala azar  |
| 4     | Dr. Nirmalya Chakraborty    | M.Phil in RMTS<br>(Batch 2016-2018)     | Cord blood and its potential application to combat myocardial infarction.  |
| 5     | Dr. Asit Kumar Hajra        | M.Phil in RMTS<br>(Batch 2016-2018)     | Potential use of freshly collected cord blood to combat anaemia in helminthiasis due to chronic intestinal blood loss.                           |
| 6     | Dr. Subhash Chakraborty     | M.Phil in RMTS<br>(Batch 2015-2017)     | Potential applications of freshly collected cord blood in nuclear disaster management.   |
| 7     | Dr. Niladri Shankar Ganguly | M.Phil in RMTS<br>(Batch 2016-2018)     | The function of the cord blood and its function during development.  |
| 8     | Tapan Kumar Maiti           | M.Phil in RMTS<br>(Batch 2016-2018)     | Umbilical cord blood and its potential utility in vascular diseases.   |
| 9     | Dr. Mrityunjoy Sarker       | M.Phil in RMTS<br>(Batch 2016-2018)     | Freshly collected cord blood transfusion and its impact on bone marrow.  |
| 10    | Dr. Kamalika Das            | M.Phil in RMTS<br>(Batch 2015-2017)     | Routine use of Umbilical cord blood in prematurity with anaemia.   |
| 11    | Dr. Anuradha Basu           | M.Phil in RMTS<br>(Batch 2015-2017)     | Umbilical cord blood transfusion in refractory anaemic cases of different diseases.  |
| 12    | Suvro Kanti Chowdhury       | Fellowship in RMTS<br>(Batch 2016-2017) | Freshly collected amniotic membrane and its application in case of limb ulceration and arteritis.  |
| 13    | Gargi Bhattacharjee,        | M.Phil in RMTS<br>(Batch 2016-2018)     | Microbiological background in non healing ulcers in patients with mixed aetiologies, diabetes and arteritis.                                     |
| 14    | Oindrilla Kundu             | M.Phil in RMTS<br>(Batch 2016-2018)     |  |
| 15    | Shreya Bakshi               | M.Phil in RMTS<br>(Batch 2016-2018)     |  |
| 16    | Tista Banerjee Chakraborty  | M.Phil in RMTS<br>(Batch 2016-2018)     | Serial pH, Sodium & potassium concentration of freshly collected cord blood from the day of collection till the time of transfusion application. |
| 17    | Hiba Syed                   | M.Phil in RMTS<br>(Batch 2016-2018)     |  |
| 18    | Tamal Kumar Das             | M.Phil in RMTS<br>(Batch 2015-2017)     | Inhibitory role of freshly collected leucocytes from cord blood in Pseudomonas or a gram negative bacterium.                                     |
| 19    | Tania Roy                   | Fellowship in RMTS<br>(Batch 2016-2017) | Potential effects of freshly collected placental cord blood and its growth impact.   |
| 20    | Sayani Bhattacharya         | Fellowship in RMTS                      |  |

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|    |                           | (Batch 2016-2017)                       |   |
| 21 | Chandrima Sengupta        | M.Phil in RMTS<br>(Batch 2016-2018)     | Effect of freshly collected whole cord blood transfusion and its separated components using only the cord blood erythrocytes by leukocytic filters, platelets, plasma, and buffy coat in the recovery of animal disease models. |
| 22 | Kanishka Mukherjee        | M.Phil in RMTS<br>(Batch 2015-2017)     |   |
| 23 | Somashish Ghoshal         | M.Phil in RMTS<br>(Batch 2015-2017)     |   |
| 24 | Dr. Suvodeep Chakraborty  | M.Phil in RMTS<br>(Batch 2015-2017)     |   |
| 25 | Shubhla Verma             | Fellowship in RMTS<br>(Batch 2016-2017) |   |
| 26 | Dr. Shahid Parvez         | M.Phil in RMTS<br>(Batch 2016-2018)     | A study of Amniotic Fluid and its potential effect and degree of inhibition on the growth of various gram positive, gram negative and mixed bacteria.   |
| 27 | Dr. Saba Ambrin           | M.Phil in RMTS<br>(Batch 2016-2018)     |   |
| 28 | Dr. Shaista Izhar         | M.Phil in RMTS<br>(Batch 2016-2018)     |   |
| 29 | Dr. Shamsheer Alam        | M.Phil in RMTS<br>(Batch 2016-2018)     |   |
| 30 | Dr. Shaoib Ansari         | Fellowship in RMTS<br>(Batch 2016-2017) |   |
| 31 | Farzana Begum             | M.Phil in RMTS<br>(Batch 2016-2018)     |   |
| 32 | Dr. Mohammed Mumtaz       | Fellowship in RMTS<br>(Batch 2016-2017) |   |
| 33 | Dr. Ahiraj Malik          | M.Phil in RMTS<br>(Batch 2016-2018)     |   |
| 34 | Dr. Sukur Ali Molla       | Fellowship in RMTS<br>(Batch 2016-2017) |   |
| 35 | Dr. Chandan Banerjee      | M.Phil in RMTS<br>(Batch 2015-2017)     |   |
| 36 | Dr. Debjit Dhar Chowdhury | M.Phil in RMTS<br>(Batch 2016-2018)     | Potential applications of freshly collected cord blood trans and the use of its platelet & mono-nuclear component in c regeneration.  |
| 37 | Dr. Anjana Mazumdar       | M.Phil in RMTS<br>(Batch 2015-2017)     |   |
| 38 | Dr. Nirmalya Samajpati    | M.Phil in RMTS<br>(Batch 2016-2018)     |   |
| 39 | Dr. Abhishek Kumar        | M.Phil in RMTS<br>(Batch 2015-2017)     | Application of freshly collected chorionic part of amniotic membrane in non-healing ulcerations and its healing.  |
| 10 | Dr. Satinath De           | M.Phil in RMTS<br>(Batch 2015-2017)     | Application of freshly collected amnion part of amniotic membrane in non-healing ulcerations and its healing.   |

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| 41 | Dr. Sipra Saha Kundu          | M.Phil in RMTS<br>(Batch 2015-2017)     | Application of freshly collected amniotic membrane in diabetic patients with non-healing ulcers.   |
| 42 | Dr. Anamika Ishani Upadhyay   | M.Phil in RMTS<br>(Batch 2014-2016)     | Perspectives of cord blood banking from birth to banking.  |
| 43 | Dr. Manab Nandy               | M.Phil in RMTS<br>(Batch 2015-2017)     | A descriptive correlational study of treatment of Diabetes Mellitus by stem cell therapy collected from human umbilical cord blood.                          |
| 44 | Piyalee Bandyopadhyay (Nandy) | M.Phil in RMTS<br>(Batch 2015-2017)     | A descriptive correlational study of the use of cord blood application in geriatric population and its long term impact in terms of longevity in this group. |
| 45 | Dr. Subhabrata Das            | M.Phil in RMTS<br>(Batch 2016-2018)     | Application of Amniotic Membrane and its impact on oral glucose tolerance test.  |
| 46 | Dr.Swapna Bhattacharya        | M.Phil in RMTS<br>(Batch 2015-2017)     | Application of Amniotic fluid in non healing ulcers.   |
| 47 | Dr. Abhijit Chaudhury         | M.Phil in RMTS<br>(Batch 2015-2017)     | Process and recovery of dementia patients with the application of Amniotic membrane by a slit wound method.  |
| 48 | Dr.Sunirmal Chaudhuri         | M.Phil in RMTS<br>(Batch 2016-2018)     | Amniotic membrane and its potential application on renal impairment using urea, creatinine and uric acid as biological parameters.                           |
| 49 | Dr. Narayan Chakraborty       | Fellowship in RMTS<br>(Batch 2016-2017) | Potential applications of reversing multisystemic arsenic toxicity with freshly collected cord blood.  |
| 50 | Riya Mukherjee                | M.Phil in RMTS<br>(Batch 2016-2018)     | Autologus application of bone marrow in Autism patients.   |
| 51 | Paromita Biswas               | Fellowship in RMTS<br>(Batch 2016-2017) | Liver function test in non healing ulceration patients.  |
| 52 | Aroop Chaudhuri               | Fellowship in RMTS<br>(Batch 2016-2017) | Effect of freshly collected umbilical cord blood plasma and its effect on the growth of saline condition grown bacteria.                                     |
| 53 | Dr. Samar Kumar Das           | M.Phil in RMTS<br>(Batch 2015-2017)     | Freshly collected whole cord blood transfusion to rectify anaemia in Thalassemia patients.   |
| 54 | Dr. Suparna Dutta             | M.Phil in RMTS<br>(Batch 2015-2017)     | Autologus application of menstrual blood in non-healing ulcers of different aetiologies and their steps of healing.  |
| 55 | Jaya Samanta                  | Fellowship in RMTS<br>(Batch 2016-2017) | Freshly collected amniotic membrane application in case of non-healing ulcers.   |
| 56 | Dr.Gautam Dutta Chowdhury     | M.Phil in RMTS<br>(Batch 2016-2018)     | Freshly collected cord blood transfusion in paediatric anaemia or Autologous freshly collected cord blood transfusion in babies weighing 1500 grams or less. |
| 57 | Dr.Kakali Sen                 | M.Phil in RMTS<br>(Batch 2016-2018)     | Optic atrophy and scope for cord blood based treatment including transfusion and transplantation.  |
| 58 | Dr.Santanu Sen                | M.Phil in RMTS<br>(Batch 2016-2018)     | Ethics in Cord blood transplantation and its application.  |
| 59 | Dr. Nirmal Majhi              | M.Phil in RMTS                          | Ethics in Cord blood transfusion and its application.  |

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| 60 | Dr. Moupia Chakraborty | (Batch 2016-2018)<br>M.Phil in RMTS<br>(Batch 2016-2018) | Ethical analysis of fetal tissue transplantation.   |
| 61 | Dr. Bhawna Bhutoria    | M.Phil in RMTS<br>(Batch 2016-2018)                      | Freshly collected and screened amniotic membrane application in case of non-healing ulcers and to assess its secondary positive impact on other organs. |
| 62 | Dr. Arpita Ray         | M.Phil in RMTS<br>(Batch 2016-2018)                      | Potentialities of autologous menstrual blood application in different diseases.   |
| 63 | Dr. Mainuddin Naskar   | M.Phil in RMTS<br>(Batch 2015-2017)                      | Amniotic fluid application in cases of non-healing ulcerations of different aetiology.  |
| 64 | Tirthamoy Chatterjee   | M.Phil in RMTS<br>(Batch 2015-2017)                      | Separated amniotic membrane application to augment healing in cases of non-healing ulcers.  |
| 65 | Niladitya Sanyal       | M.Phil in RMTS<br>(Batch 2015-2017)                      | Autologous bone marrow application in non-healing ulcers.   |
| 66 | Dr. Soumen De          | M.Phil in RMTS<br>(Batch 2016-2018)                      | Amniotic membrane or Cord blood application as an adjuvant healing in non-healing ulcers.   |
| 67 | Saswati Lodh           | M.Phil in RMTS<br>(Batch 2016-2018)                      | Effect of cord blood in radiation and its use and abuse.  |
| 68 | Sanchita Pradhan       | M.Phil in RMTS<br>(Batch 2015-2017)                      | Use of umbilical cord blood as a true blood substitute in Hemoglobin E disease.   |



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