Physiology

FACULTY

1. Prof. Utpal Kumar Datta, MD    Professor & Head
2. Prof. Sangita Sen, MD, PhD     Professor
3. Dr. Ardhendu Mazumdar, MD      Associate Professor
4. Dr. Shubhankar Kumar, MD, DNB  Associate Professor
5. Dr. Deepankshu Shekhar Mandal, MD  Associate Professor
6. Dr. Md. Mahboob Alam, MD       Assistant Professor
7. Dr. Jayati Das, MD              Assistant Professor
8. Dr. Debdeep Dasgupta, MD       Assistant Professor
9. Dr. Sucheta Biswas, MD         Assistant Professor
10. Dr. Subrata Nag, MD           Demonstrator
11. Dr. Debjani Banerjee, MD      Demonstrator
12. Dr. Bikashendu Samui, MD      Demonstrator
13. Dr. Soma Roy, MD              Demonstrator

Postgraduate Trainee:

1. Dr. Prasenjit Majumdar          PGT 2013-2016
2. Dr. C. Biakhupuii               PGT 2014-2017
3. Dr. Manaswee Ray                PGT 2014-2017
4. Dr. Sanchari Ghosh              PGT 2014-2017
5. Dr. Aparajita Mitra             PGT 2014-2017
6. Dr. Uday Sarkar                 PGT 2014-2017
7. Dr. Shib Sankar Pal             PGT 2015-2018
8. Dr. Saikat Manna                PGT 2015-2018
9. Dr. Rama Chakraborty            PGT 2015-2018
10. Dr. Sourav Ganguly             PGT 2015-2018
11. Dr. Paromita Roy               PGT 2015-2018
12. Dr. Biswajit Das               PGT 2016-2019
13. Dr. Souvik Banerjee            PGT 2016-2019
14. Dr. Arijit Sain                PGT 2016-2019
15. Dr. Subhabrata Ghosh           PGT 2016-2019

COURSES CONDUCTED BY THE DEPARTMENT:

• MBBS (150 seats)
• MD (5 seats)
• BSc (Nursing)
• BPT
• DPFT & DCLT

LABORATORY FACILITIES

• Neurophysiology laboratory for NCV studies.
• Biochemistry laboratory for routine biochemical parameters like urea, creatinine, glucose, lipid profile by spectrophotometer.
• Hematology laboratory for routine hematology investigation like Hb, TC, DLC, PCV, ESR, Platelet count, reticulocyte count & bone marrow study.
• Behavioral physiology laboratory for behavioral studies in different mazes.
• Autonomic function laboratory.
FACULTY NEWS

Prof. (Dr.) Utpal Kumar Datta

a) Guiding Thesis work of Dr. Sib Sankar Pal: Topic- Association of obesity and fatty liver in patients with gallstone disease.

b) Publications


Prof. (Dr.) Sangita Sen:

a) Project:

- Completed a project titled “Evaluation of diabetic polyneuropathy in Type II DM by nerve conduction studies & association of severity of neuropathy with serum s-FAS level.”

b) Guiding Thesis work of Dr. Saikat Manna – Role of Serum Uric Acid and Its Association with Other Risk Factors in Patients with Coronary Artery Disease

c) Publications:


Dr. Ardhendu Mazumdar

- Guiding thesis work of Dr. Rama Chakraborty: Topic- Pulmonary Function Tests in Hypothyroid Patients and effect of Thyroid Hormone Replacement

Dr. Subhankar Kumar

a) Guiding thesis work of Dr. Sourav Ganguly: Topic- Difference in retention of inter- and intra-day learning process of rats.

b) Working at Rodent Memory Laboratory in the Dept. of Physiology with radial mazes (8-arm & 24-arm), Multi unit ‘T’ maze & Morris Water Maze to study spatial learning & memory in rat model of relevant diseases. A new work on the effect of antihistaminic drugs on performance in Morris water maze has been completed.

C) Currently in progress are research works on effect of enriched environment on non-spatial and spatial cognitive performance and on the effect of one maze training upon learning curve in another maze.
Dr. Deepankshu Sekhar Mandal
a) Guiding Thesis work of Dr. Sanchari Ghosh: Topic- Effect of enriched environment on non spatial cognitive abilities of Wister rat.

Dr. Md. Mahboob Alam
a) Projects:
   • Working on the project “Assessment of autonomic functions in Systemic Lupus Erythematosus and its relation with duration, disease activity, damage index and renal complications.
   • Assessment of autonomic functions in Asthma and its relation with disease severity and duration.

b) Publications:
   • Sarkar S, Alam MM, Ray B, Chaudhuri G. Study of Blood Pressure in Medical Students in Kolkata and Its Variation with BMI, Waist Circumference, Waist-To-Hip Ratio and Waist-To-Height Ratio. JMSCR 2015; 3:4044-51

THESIS SUBMITTED IN 2016
Dr. C. Biakhlupuii: Reference memory error of rats in radial maze of different sizes with suppression of foraging exploration by increased travel distance within the larger maze (Under Guidance of Dr. Sangita Sen and Dr. Subhankar Kumar).


Dr. Sanchari Ghosh: Effect of enriched environment on non spatial cognitive abilities of Wister rat (Under Guidance of Dr. Deepankshu Sekhar Mandal and Dr. Subhankar Kumar).

Dr. Aparajita Mitra: Effect of training in one spatial navigation task upon the learning curve in a different spatial navigation task (Under Guidance of Dr. Utpal Kumar Datta and Dr. Subhankar Kumar).

Dr. Uday Sarkar: Effect of enriched environment on different cognitive abilities in rats: Visual recognition, context discrimination, working memory, spatial learning and semantic learning (Under Guidance of Dr. Subhankar Kumar).