

Foundation Day celebration of Department of Physiology

To mark the occasion of its First Foundation Day on 29th Jan 2022, the Department of Physiology, All India Institute of Medical Sciences (AIIMS), Bibinagar, Hyderabad conducted a online CME-cum-Workshop on “Ethos of Behavioural Physiology - Continuum in Translational Research”. It was A bonanza of academic feast on Animal behaviour with world renowned guest faculty Dr. Laxmi T Rao, Neurophysiology, NIMHANS Bangalore and e-hands on training on Animal Experimentation and Techniques by world renowned scientist Dr. Praveen TK, JSS College of Pharmacy, Ooty. The day was added with a e-poster competition for medical students with lots of prizes for the winners.

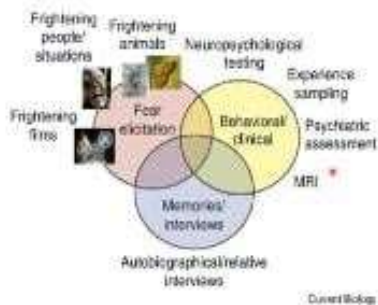
The Executive Director, Dr Vikas Bhatia, Dean-Academics, Dr Rahul Narang, Dean-Research Dr Sangeetha Sampath and Col SP Anantrao Deputy Director Administration, graced the occasion and appreciated the effort taken & progress made by the department in teaching, research, establishing various labs and clinical services in a very short span of time.

Dr Nitin Ashok John, Professor & Head, Dept of Physiology, Organizing Chairman of the event along with Dr Madhuri Taranikanti, Additional Professor, Organizing Co-Chairman of the CME. Dr. Kalpana.M and Dr. Prafull K Organizing secretaries supported by all Faculty members of the Department of Physiology, Dr Anish Singhal, Dr Vidya G, Dr Archana T Gaur , Dr Madhusudhan U & Dr Roja K who worked meticulously to make the event a grand success with over 300 participants across the country.





Qual absence of behavioral fear reactions and fear experience even in the face of potent fear elicitors



2. Learning and memory: Morris water maze

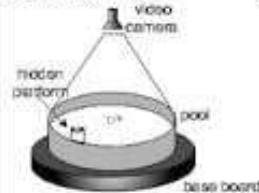
Task: spatial navigation

In this task, a rodent is placed in a tank of opaque water containing a hidden escape platform. Throughout repeated trials, the animal learns to locate the platform using visual cues placed around the room.

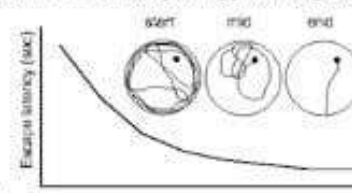
The amount of time at which the animal learns to reach the platform can be measured.

The learning is confirmed using a probe trial, in which the platform is removed, and the amount of time the animal spends investigating the area of the tank that formerly contained the platform is measured.

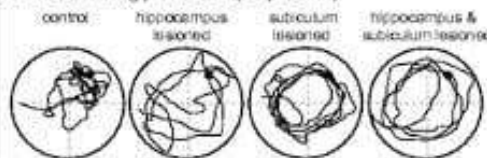
A The watermaze



B Paths and latency during place navigation



C Post-training probe tests (no platform)



D Overtraining



http://www.scholarpedia.org/article/Morris_water_maze





