

#### **GOVERNMENT OF WEST BENGAL**

Office of the Principal

## ACHARYA PRAFULLA CHANDRA ROY GOVERNMENT COLLEGE HIMACHAL VIHAR, MATIGARA, SILIGURI, DARJEELING

Email Address:- apcrgc@apcrgc.org, website: www.apcrgc.org

## One Day Seminar: Gametogenesis and Fertilization: Its molecular Approach

Name of Speaker: Ms. Priyanka Saha, Assistant Professor, Darjeeling Govt. College, Darjeeling

Date: 28.02.2022

**Time**: 11.00 am

Venue: Dept. of Zoology

Seminar conducted by: Dept. of Zoology, A.P.C. Roy Govt. College

Participation by: Students and faculty of Zoology

#### **Objectives:**

1. To make the students aware of the molecular processes of oogenesis, spermatogenesis and fertilization via a seminar presentation.

- 2. To elucidate the significance of molecular aspects in reproductive biology and assisted reproductive technologies
- 3. To make them realize that there is a future in studying Developmental Biology.

## **Activity Report:**

The talk began in a youthful and vibrant manner as the speaker herself had joined the service a couple of years ago. She immediately developed a good rapport with the students and could communicate very easily. She talked about the role of hormones in controlling the process of gametogenesis. The intricate process of molecular mechanism of fertilization via the interplay between the molecules present on the gamete membrane was lucidly illustrated by captivating slides. She explained the chemotactic attraction of gametes of sea-urchin based on the peptides, the molecule-based binding of gametes and the fertilization in humans based on the antigen present on the membrane of gametes. The speaker could generate interest in students that after further studies, they can get employed in in vitro fertility clinics.







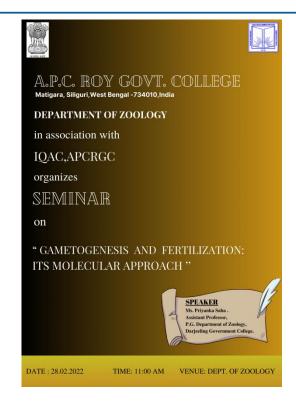
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One day seminar on Gametogenesis and fertilization: its molecular approach conducted by Department of Zoology, A.P.C. Roy Govt. College on 28th Feb, 2022



