



**Hybridoma Technology for Monoclonal Antibody Production:  
Applications in Immunodiagnostics**

**9<sup>th</sup> to 16<sup>th</sup> October 2019**

**Course Programme**

**Day 1 : 2019.10.09**

08.00 - 08.30	Registration
08.45 - 09.05	Introduction to the Course by Prof Shiroma Handunnetti, Scientific Organizer
09.05	Address by Vice Chancellor, University of Colombo
09.15	Address by Director General, National Science Foundation
09.30 - 10.00	Participants introduce themselves
10.00 - 10.15	Tea
10.15 - 11.15	Lecture I : Introduction to Hybridoma Technology
11.15 - 12.15	Lecture II : Antigen selection and preparation techniques
12.15 - 13.00	Lunch
13.00 - 14.00	Lecture III : Immunization of animals and Techniques for B cell separation
14.00 - 14.15	Tea
14.00 - 16.00	Practical Session I

**Day 2 : 2019.10.10**

08.00 - 09.30	Lecture IV: Concepts, methods of cell fusion and selection of hybrids
09.30 - 10.30	Lecture V: Cryopreservation and cloning techniques
10.30 - 10.45	Tea
10.45 - 12.45	Lecture VI : Immunoassays for screening of hybridomas
12.45 - 13.30	Lunch
13.30 - 14.30	Practical Session II
14.30 - 14.45	Tea
14.45 - 17.00	Practical Session II contd

**Day 3 : 2019.10.11**

08.00 - 10.30	Practical Session III
10.30 - 10.45	Tea
10.45 - 12.00	Practical Session III contd
12.00 - 12.45	Lunch
12.45 - 14.45	Practical Session IV
14.45 - 15.00	Tea
15.00 - 17.00	Practical Session IV contd

**Day 4 : 2019.10.12**

08.00 – 09.00	Practical Session V
09.00 – 11.00	Lecture VII : Preparation and purification of monoclonal antibodies
11.00 – 11.15	Tea
11.15 – 12.15	Lecture VIII : Applications of Mabs in immunodiagnosics
12.15 – 13.00	Lunch
13.00 – 15.00	Practical Session VI
15.00 – 15.15	Tea
15.15 – 17.00	Practical Session VI contd

**2019.10.13 – Holyday****Day 5: 2019.10.14**

08.00 – 09.00	Practical Session VII
09.15 – 10.15	Lecture IX: Applications of Mabs in therapeutics
10.15 - 10.30	Tea
10.30 – 12.30	Lecture X: Applications of Mabs: Immunodiagnosis of infectious diseases
12.30 – 13.15	Lunch
13.15 – 15.15	Practical Session VIII
15.15 – 15.30	Tea
15.30 – 16.30	Practical Session VIII contd

**Day 6: 2019.10.15**

08.00 – 09.30	Practical Session IX
09.30 – 09.45	Tea
09.45 – 11.45	Lecture XI: Single chain antibodies and their application
11.45 – 12.00	Practical Session IX contd
12.00 – 12.45	Lunch
12.45 – 15.00	Practical Session IX contd
15.00 – 15.15	Tea
15.15 – 17.00	Practical Session IX contd

**Day 7: 2019.10.16**

08.00 – 10.30	Practical Session X
10.30 – 10.45	Tea
10.45 – 12.00	Practical Session XI
12.00 – 12.45	Lunch
12.45 – 14.30	Feedback and conclusion
14.30 – 15.00	Tea
15.00 – 16.00	Distribution of Certificates and Closure of the Course