PhD PROGRAMME IN:

SYSTEMS BIOLOGY IN IMMUNE AND INFECTIOUS DISEASES

Course title:	ADVANCED IMMUNOLOGY
Aim of the course:	This course aims at further extending participants' knowledge of recent developments in immunology and improving the understanding of key scientific questions and approaches in immunological research.
Lecturer:	Marco Gargaro, PhD
Venue:	to be defined
Course Program:	 Introduction to Inflammation Innate Cytokines-IL-1, TNFα, Type I IFN Macrophage and Dendritic Cell Development NK Cells – Definitions and Functions Basic Concepts of Histocompatibility Innate Lymphoid Cells Overview of T Cell Biology Th1, Th2, Th17 Development Mucosal Immunity Laboratory of Basic Flow Cytometry Introduction to Single-Cell RNA Sequencing Verification Test
Target audience:	The course is mainly meant for PhD students in Systems Biology in Immune and Infectious Pathologies PhD programme. However, the course is open to all scientists with an interest in the issue.