

## **OPTIONAL COURSE 3 CREDITS**

**PROF. VALTER MALORNI**

### **The study of gender-specific medicine in health and disease**

1. Gender-specific medicine: a new perspective in the field of biomedicine  
General aspects of the role of sex and gender in health and disease
2. Why medicine must take into account gender disparity: disequities  
Disequities in care and cure
3. Biological issues I: preclinical studies and pathogenetic issues
4. Biological issues I: preclinical studies and pathogenetic issues  
On the cellular and molecular mechanisms of gender and sex disparity
5. Epidemiological and biological issues I: immunity  
Immune system and gender differences: a milestone of gender medicine
6. Epidemiological and biological issues II: cancer  
Various forms of cancers display gender differences in the incidence and response to therapy
7. Epidemiological and biological issues III: infectious diseases  
Differences in the infections, mainly viral infections, will be treated
8. Epidemiological and biological issues IV: degenerative and chronic diseases  
Metabolic diseases, such as diabetes, and neurodegenerative diseases, including dementia, will be treated
9. Literacy and communication strategies with particular attention to gender medicine