

CV – Sergio MINUCCI

Sergio Minucci was born in Naples on 19/08/1956.

1982 - Doctor in Biological Sciences.

1985 - Fellow "G. Guelfi" with Accademia Nazionale dei Lincei.

1988 Award "Battista Grassi" for Zoology, Parasitology and Biological Thalassography by Accademia Nazionale dei Lincei conferred by the President of the Italian republic "F. Cossiga".

1989-91 Fogarty International Fellow at National Institute of Health, Bethesda, Maryland - USA.

Main Research accomplishment: Biology of Reproduction.

1992 - 2005 Associate Professor of Biology.

1993 - Ph.D in Comparative Endocrinology.

2005 to date - Full professor of Biology at the Faculty of Medicine - Second University of Naples.

2014 to date - Rector's Delegate for International Affairs

Collaborative research with some Italian (University of Genova; University of Naples "Federico II", Zoological Station "A. Dohrn" and University of Calabria) and foreign research group (University of Manchester, UK; University of Hamburg, Germany; University of Cordoba, Spain, University of Zaragoza, Spain, University of Adelaide, Australia.; University of Monastir, Tunisia).

Author of more than 120 research papers in peer-reviewed journals.

Referee for a number of scientific journals of international repute.

Main Research fields:

1) Control of spermatogenesis in Vertebrates.

- a) Dynamics of spermatogenesis.
- b) Influence of hormonal and environmental factors.
- c) Communication between spermatids and spermatogonia and among Leydig cells and Mast cells.
- d) Identification and localization of some proto-oncogenes in vertebrate testis.
- e) Dopamine and regulation of testicular activity.
- f) The role of substances similar to the releasing factor for the gonadotropins (GnRH) in regulating testicular in vertebrates

2) Genes tissue-specific or highly expressed in the testis of vertebrates.

- a) Identification and characterization of a new form of relaxin (RLX) from mammalian testis and its role in the spermatogenesis.
- b) Identification and characterization of prothymosin- α from rat and human testis and study of its role during meiosis.
- c) Identification of the MT1 melatonin receptor and H9-related melatonin receptor in rat testis. Study on the effect of melatonin in the regulation of spermatogonial proliferation.
- d) Identification and characterization of Dishevelled-associated Q2 activator of morphogenesis 1 (DAAM1) during development and during spermatogenesis in rat and human testis: