

ROBERTO DI SANTO

Personal information

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Nationality Italian

Occupational field University Full Professor

University Teaching More than 10 teaching in the field of Medicinal Chemistry

Scientific Activity

The research activity is focused on Drug Design and Development (DDD) of novel drugs and performed by the means of the most modern technics in the medicinal chemistry field like, computer driven drug design (CDDD), classical organic synthesis, parallel synthesis, microwave applications and flow chemistry. The main research field are focused on chemotherapy, in particular on antiviral (HIV, HCV, poliovirus et al.), antiprotozoal, antibacterial, and antimicrobial and antifungal agents, as well as on anticancer drugs. Collaborations with companies gave results in the Alzheimer field, 5-HT4 ligands, antimalarial drugs, antitumor drugs, including anti-metastatic drug and compounds interfering with the autophagy process. In summary the expertise can be listed as follows in the field of: 1-Chemotheapeutic agents: a) Antiviral compounds (HIV, HCV, Chicungunya, poliovirus, fluvirus) b) Antifungal agents c) Antiprotozoal agents d) Antimycobacterial agents e) Antibacterial agents (resistance) 2- Antitumor agents (specific targets for personalized medicine) 3- Anti-Alzheimer 4- Ligands of 5-HT4R More than 170 papers and 6 patents, and oral communications, in national and international meetings.

Personal skills and competences

More than 170 scientific peer reviewed publication (high IF) and patents in the field of Medicinal Chemistry. High expertise in coordination of research group. High qualification and competences in Medicinal and Pharmaceutical Chemistry. High qualification for teaching Medicinal and Pharmaceutical Chemistry. High competence in drug design and development. High expertise in collaborations with Pharmaceutical Companies for drug design and development. Longstanding collaborations and contracts with Sigma-Tau Company, Pfizer, Angelini ACRAF. Expertize in European Projects

Education and training



1995 Licence of pharmacist 1994 Degree in Pharmacy (5 year course) (Sapienza University of Rome)

1988 Fellowship Pasteur Institut (Sapienza University of Rome) 1987 Licence of chemist

1986 Degree in Chemistry (5 year course) (Sapienza University of Rome) 1981 Classical Liceum (Anco Marzio Lyceum, Rome)