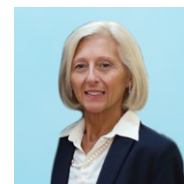




Curriculum Vitae Europass



Personal Informations

First Name and Surname **Katia Varani**
Address 51, Via Camposabbionario, 44121, Ferrara, Italia
Telephone (0039) 3336456935
E-mail katia.varani@unife.it
Nationality Italian
Date of birth 15-11-1959
Gender Female

Work Experience

Dates December 2020 to today
Occupation Full Professor in Pharmacology
Main activities and responsibilities President of the Faculty of Medicine, Pharmacy and Prevention, University of Ferrara, Coordinator of the PhD School in Advanced Therapies and Experimental Pharmacology and Coordinator of the School in Clinical Pharmacology and Toxicology, Dep. of Translational Medicine, University of Ferrara.
Name and address of employer University of Ferrara, Department of Translational Medicine, Institute of Pharmacology,
Type of sector University of Ferrara

Education and training

Dates March 1988
Title of qualification awarded Degree in Biological Sciences
Dates December 1996
Title of qualification awarded PhD in Cellular and Molecular Pharmacology

Principal subjects/occupational skills covered

The research topics of Katia Varani are primarily represented by the:
- characterization at the molecular level of drug-receptor interaction from a biochemical and thermodynamic point of view; - *in vitro* and *in vivo* studies concerning the evaluation of the affinity and potency of novel ligands; - pharmacological research of adenosine receptors closely associated to human pathologies of the central nervous and peripheral systems; - adenosine receptor modulation by using different physical and/or chemical stimuli in association with inflammatory status.

In particular, the interaction of adenosine receptors has been investigated in human neurodegenerative diseases, chronic and neuropathic pain, cardiovascular disorders, inflammatory diseases such as rheumatoid arthritis, spondyloarthritis, psoriasis, lupus erythematosus and cancer. Moreover A_{2A} adenosine receptors have been studied in neurodegenerative diseases such as Huntington's chorea, Parkinson's disease, Multiple Sclerosis and Amyotrophic Lateral Sclerosis. The scientific advances obtained suggest that the incorporation of adenosine ligands into drugs would increase the ability to save lives and improve human health. Some promising candidates have been investigated in several preclinical studies for a successful clinical application and have been identified as allosteric enhancers and prodrugs potentially used in neurodegenerative diseases, A_{2A} antagonists for Parkinson's disease and A₃ selective agonists emerging for the treatment of cancer.

Name and type of organisation providing education and training University of Ferrara

Mother tongue Italian

Other Language English

Publications Author of more than 329 articles on international scientific journals with referees and 21 book chapters. H index = 67; Sum of the citations: 13273 (September 15, 2024, Scopus). A total of about 100 presentations as posters or communications at international and national conferences have been presented.

Organizational and management skill

- Coordinator of the Degree in “Physiotherapy”, University of Ferrara
- Coordinator of the Master “Management for the coordination of health professions”,
- Coordinator of the PhD School in Advanced Therapies and Experimental Pharmacology,
- Coordinator of the School in Clinical Pharmacology and Toxicology, Dep. of Translational Medicine, University of Ferrara
- Member of the Quality Presidium, University of Ferrara
- Member of the University Electoral Commission, University of Ferrara
- Member of Board of the University Center for Gender Medicine, University of Ferrara

Membership of Main Scientific Societies

- Italian Society of Pharmacology (SIF);
- Purine Club;
- "Top Italian Women Scientists" TIWS as member designed from ONDA club (National Observatory on Women's Health) for her commitment and the high number of citations in biomedical research;
- “100 experts for the science which collects 100 names and curriculum vitae of experts in the fields of Science, Technology, Engineering and Mathematics (STEM). Promoted by the Pavia Observatory and the GiULiA Journalists' Association, GENDERS center of the University of Milan and Wikimedia, Bracco Foundation and with the support of the European Commission Representation in Italy.

Organization of Congresses

- 6th International Symposium on Adenosine and Adenine nucleotides, New Frontiers in the 3rd Millenium, May 19-24, 1998, Ferrara, Italy
- 8th International Symposium on Adenosine and Adenine nucleotides, May 24-28, 2006, Ferrara, Italy
- SIF monothematic conference, The present and the future of the cannabinoids, September 14-15, 2012.
- 5th Joint Italian German Purine Club Meeting, “Fostering translational research on Purines by Italian-German joint efforts”, September 18-21, 2013, Rimini, Italy (scientific committee).
- 7th Joint Italian German Purine Club Meeting, “Advances in basic and translational purinergic research”, July 21-22, 2017, Rome, Italy (scientific committee).

FIRMA

