europass

Francesco Ferraguti

Date of birth: 10/02/1962 | **Nationality:** Italian | **Phone number:** (+43) 512900371204 (Work) |

Email address: francesco.ferraguti@i-med.ac.at | **Email address:**

francesco.ferraguti@unimore.it | **Website:**

https://www.i-med.ac.at/pharmakologie/forschung/research_ferraguti.html |

Address: Peter Mayr Strasse 1/1A, 6020, Innsbruck, Austria (Work) |

Address: Via Campi 287, 41122, Modena, Italy (Dept. Neuroscience, Metabolic and Biomedical Sciences)

WORK EXPERIENCE

UNIVERSITA`DEGLI STUDI DI MODENA E REGGIO EMILIA – MODENA, ITALY
FULL PROFESSOR – 01/11/2023 – CURRENT

MEDIZINISCHE UNIVERSITÄT INNSBRUCK – INNSBRUCK, AUSTRIA
FULL PROFESSOR – 31/05/2004 – CURRENT

MEDIZINISCHE UNIVERSITÄT INNSBRUCK – INNSBRUCK, AUSTRIA
DIRECTOR OF THE DEPT. PHARMACOLOGY – 01/10/2011 – 30/09/2023

UNIVERSITÄT INNSBRUCK – INNSBRUCK, AUSTRIA
ASSISTANT PROFESSOR – 01/01/2003 – 30/05/2004

MEDICAL RESEARCH COUNCIL – OXFORD, UNITED KINGDOM
BIOMEDICAL SCIENTIST – 31/12/1999 – 30/12/2002

UNIVERSITY OF CAMBRIDGE – CAMBRIDGE, UNITED KINGDOM
SENIOR RESEARCH ASSOCIATE – 31/12/1997 – 30/12/1999

GLAXOWELLCOME – VERONA, ITALY
BIOMEDICAL SCIENTIST – 30/06/1991 – 30/12/1997

6A OFFICINA RIAPARAZIONI DELL'ESERCITO – BOLOGNA, ITALY
MILITARY SERVICE - SECOND LIEUTENANT – 31/12/1989 – 30/12/1990

EDUCATION AND TRAINING

30/09/1981 – 12/11/1987 Modena, Italy
DEGREE IN MEDICINE AND SURGERY Universita` degli studi di Modena

Address 41100, Modena, Italy | **Website** https://www.unimore.it | **Level in EQF** EQF level 7

06/12/1990 Modena, Italy
RESIDENCY IN CLINICAL NUTRITION Universita` degli Studi di Modena

Address 41100, Modena, Italy | **Website** https://www.unimore.it | **Level in EQF** EQF level 8

LANGUAGE SKILLS

Mother tongue(s): **ITALIAN**

Other language(s):

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken production	Spoken interaction	
ENGLISH	C2	C2	C2	C2	C2
GERMAN	C1	C1	B2	C1	C1

Levels: A1 and A2: Basic user; B1 and B2: Independent user; C1 and C2: Proficient user

TEACHING ACTIVITY

28/02/2006 – CURRENT

Lecturer

In the academic years 1994-2002 he held numerous integrative seminars in the courses of Biology and Medicine of numerous Universities.

Since he was hired at the Institute of Pharmacology of the University of Innsbruck, the teaching activity has been divided into different areas: 1) Bachelor of Medicine, 2) Second cycle (Master) in Molecular Medicine and 3) Doctorate of Research in Neuroscience.
The teaching activities within the Bachelor of Medicine and Master's degree courses consist of:
- Coordination of module 2.15 "Kidneys and urinary tract"; fifth semester.
- Pharmacology lectures on the renal system and electrolyte metabolism (5 hours in total).
- Coordination of module 2.20 "Central and peripheral nervous system and human behavior"; sixth semester.
- Pharmacology lectures on the central and peripheral nervous system (15 hours in total).
- Pharmacological therapy seminars for small groups (drug interactions) (45 hours per semester) seventh and eighth semester.
- Supervision of medical students in the Erasmus and International Research Exchange programs in their laboratory activities.
- Final oral exam in pharmacology for Erasmus students.
- Supervision of thesis for medical students.

The teaching activities within the PhD course in Neuroscience have been:
- Daily supervision of PhD students.
- Management of the Journal Club.
- Coordination and management of the course "Basic concepts of electron microscopy" (30 hours).
- Tutor activity.
From 2016 to 2021 he was the coordinator of the PhD in Neuroscience "Signal Processing In Neurons"; one of the founding neuroscience schools of the "Network of European Neuroscience Schools (NENS)".

After joining the University of Modena and Reggio Emilia in November 2023, he has been teaching: “general pharmacology and toxicology” (16 hours) in the Bachelor degree “Biomedical Laboratory Techniques”, “psychopharmacology” (20 hours) in the Bachelor degree “Psychiatric Rehabilitation Technique”, and “risk management in clinical pharmacology” (20 hours) in the Second cycle (Master) degree “Nursing and Obstetrics”. He also holds courses (57 hours) on Chemotherapy for students in medicine and dental medicine curricula.

Since 2003, Prof. Ferraguti has supervised 17 Master's Students and 9 PhD Students.

RESEARCH ACTIVITY

CURRENT

Research Activity

The research activity of Prof. Ferraguti focused on the following research areas:
Neuropsychopharmacology
Systems neuroscience

In particular, the main topics have concerned the pharmacological study of monoaminergic, peptidergic, GABAergic and mainly central glutamatergic systems involved in the control of body homeostasis and behavior in experimental animals.
For over 30 years, Prof. Ferraguti's research work has focused on the structure and function of metabotropic glutamate receptors. These studies have concerned: the screening of molecules active on these receptors; the molecular nature of these receptor proteins that has led to the identification of new "splicing" variants; the functional role in neuronal plasticity; the coupling to intracellular transduction systems; the localization at the cellular and subcellular level in

relation to particular neuronal systems. More recently he has worked on the behavioral effects produced by the genetic and pharmacologic manipulation of these receptors, especially in the context of preclinical models of psychopathology.

Other lines of research that Prof. Ferraguti is working on are: 1) definition of the inhibitory circuits of the amygdala and their contribution to negative emotions (anxiety and fear); 2) identification of the mechanisms of synaptic plasticity (both structural and functional) that contribute to associative learning.

Prof. Ferraguti has been the holder of numerous national and international research projects, among the most recent:
Grant #I-02215 - "Plasticity of amygdala intercalated cell microcircuits in fear learning." €175,287 (2015-2019) funded by the Austrian Science Fund (FWF).
Grant #W012060 – "Signal Processing in Neurons (SPIN)." € 2,504,639 (2017-2021) funded by the Austrian Science Fund (FWF).
Grant #F044170-B23 - Dopamine regulation of amygdala inhibitory circuits." € 481,037 (2015-2019) funded by the Austrian Science Fund (FWF).
Grant #TW 06/2020 – "The hippocampal circuits mediating the anxiolytic activity of mGlu5 receptors." €15,000 (2020-2023) funded by OEAD.
Grant #FG-18 – "Neurobiology of anxiety in autism spectrum disorders." €1,492,383 (2022-2026) funded by the Austrian Science Fund (FWF).
Grant #CoE-16 – "Neuronal circuits in health and disease." €482,741(2024-2029) funded by the Austrian Science Fund (FWF).

Prof. Ferraguti was co-editor for the special issue "Cell Signaling and neural circuits in chronic diseases of the central nervous system" of the journal "Frontiers in Molecular Neuroscience" and for the special issue "The role of metabotropic glutamate receptors in health and disease" of the journal "Cells" (MDPI).

Prof. Ferraguti participated in the organization of:
Joint meeting of the Austrian Neuroscience Association (ANA 16th Meeting) and the Austrian Pharmacological Society (25th APHAR Meeting), Innsbruck 25-27 September 2019
International Meeting on Metabotropic Glutamate Receptors, Taormina 2014, 2017, 2021 and 2024.

RESEARCH OUTPUT

31/12/1985 – CURRENT

Research output

From a bibliometric point of view, Prof. Ferraguti is the author of 104 peer-reviewed publications in indexed international journals, that received >6,500 citations (Web of Science, excluding self-citations), and has an H-index of 43 according to the Web of Science, and an H-index of 49 according to GoogleScholar.
The list of scientific publications is enclosed.

ACTIVITIES AS A REVIEWER

CURRENT

Includes participation in Boards of Directors

2019 Permanent Member of the DANA Alliance
2019 Member of the Editorial Board of the scientific journal: "Scientific Reports" – Nature
2019 - 2021 President of the "Austrian Neuroscience Association"
2017 – 2019 President-elect of the "Austrian Neuroscience Association"
2009 – 2023 Permanent Member of the Board of Directors of the "Legerlotz Stiftung" (Liechtenstein)
2014 – Member of the Scientific Committee for the Evaluation of Research Projects of the University of Catania
2013 – Member of the Scientific Committee for the Evaluation of Research Projects of the University of Bologna.
1998 – Member of the IUPHAR Subcommittee for the Classification of Metabotropic Glutamate Receptors

2018 – 2019 Member of the Evaluation Committee of the Panel LS5 (Neuroscience and Disorders of the Nervous System), ERC-SAP
2023 – 2024 Member of the Evaluation Committee of the Panel LS5 (Neuroscience and Disorders of the Nervous System), ERC-StG

Regular reviewer for (since):
2018 – Agence Nationale de la Recherche (ANR) (France)
2016 – Swiss National Science Foundation (SNF) (Switzerland)
2014 – Tiroler Wissenschaftsfonds (Austria)
2011 – Czech Science Foundation (GACR) (Czech Republic)

Ad hoc reviewer for:
2020 Hungarian National Academy of Science
2019 Israel Science Foundation
2019 Canadian Natural Sciences and Engineering Research Council

Memberships in Scientific Societies:
1994 – ongoing “American Society for Neuroscience”
1994 – 2010 “Societa`Italiana di Neuroscienze”
2003 – 2016 “Austrian Pharmacological Society”
2003 – ongoing “Austrian Neuroscience Association”

Participation in Academic Promotion Evaluation Committees:
2022 Chair of Neuropharmacology (band 1) University of Warwick (UK)
2022 Chair of Developmental Neurobiology, Medical University of Vienna (Austria)
2020 Chair of Systems Neuroscience, Karolinska Institutet (Sweden)
2020 Chair of Neuropharmacology (band 1) University of Portsmouth (UK)
2017 Chair of Neurobiology (W2) University of Regensburg (Germany)
2005 Chair of Clinical Pharmacology, Medical University of Innsbruck (Austria)

Ad hoc reviewer for the following scientific journals:
Biol Psych, Brain, Br J Pharmacol, Brain Struct Funct, Cell Reports, Cerebral Cortex, Eur J Neurosci, eLife, J Comp Neurol, J Neurosci, Mol Psych, Nature Chem Biol, Nature Comm., Neuropharmacol, Neuroscience, Neuropsychopharmacol, Pharmacol Rev, PNAS, Transl Psych, etc.

Autorizzo il trattamento dei miei dati personali presenti nel CV ai sensi dell’art. 13 d. lgs. 30 giugno 2003 n. 196 - “Codice in materia di protezione dei dati personali” e dell’art. 13 GDPR 679/16 - “Regolamento europeo sulla protezione dei dati personali”.

FRANCESCO
FERRAGUTI
23.07.2025
14:18:28
GMT+02:00