

PERSONAL INFORMATION

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🌐 <http://www.nico.ottolenghi.unito.it/index.php/it/brain-development-and-disease>
<http://publicationslist.org/alessandro.vercelli>

PRESENT POSITION

From 02/07/2015 Full Professor Human Anatomy, Department of Neuroscience, University of Turin

From 01/06/2014 Scientific Director of Neuroscience Institute Cavalieri Ottolenghi (NICO) (just confirmed to June 2021)

From 26/03/2014 President of Interuniversity Consortium "National Institute of Neuroscience" (INN) (confirmed to April 2020)

From July 2013 Director of the Interdepartmental Center of Neuroscience (NIT, Neuroscience Institute of Turin) (confirmed to November 2020)

From 01/10/2018 vice-Director (Scientific Research) of the Department of Neuroscience, University of Torino

PROFESSIONAL EXPERIENCE
AND TEACHING ACTIVITIES

From 02/07/2015 – present

Full professor

Department of Neuroscience, University of Turin
Sector Human Anatomy (05/H1)

From 01/10/2018

Vice-Director for Research

Department of Neuroscience, University of Turin

From 01/06/2014 – present

Scientific Director

Neuroscience Institute Cavalieri Ottolenghi (NICO) <http://www.nico.ottolenghi.unito.it/eng>
Activity Scientific Research in Neuroscience; Administration

From 26/03/2014 – present

President

Interuniversity Consortium "National Institute of Neuroscience"
Activity Scientific research in Neuroscience; Administration

From luglio 2013 – present

Director

Interdepartmental Center of Neuroscience (NIT)
Activity Scientific research in Neuroscience; Administration

From 2012 to 2014

Vice-Director

Neuroscience Institute Cavalieri Ottolenghi (NICO)

From 2006 to 2009

Vice-President

Interdisciplinary University School for Physical Education and Sport Science (SUISM)
Activity Educational organization mandate

From 01/11/2001 to 01/07/2015	Associate Professor Department of Anatomy, Pharmacology and Forensic Medicine then Department of Neuroscience "Rita Levi Montalcini" of Turin, School of Medicine, University of Turin Sector Human Anatomy (BIO/16)
From 29/01/2014	Full Professor Qualification Sector Human Anatomy (sector 05/H1)
From 01/11/1998 to 30/10/2001	Associate Professor Department of Anatomy, Pharmacology and Forensic Medicine of Turin
July - August 1995	Guest Researcher Dept. of Brain & Cognitive Sciences, MIT, Cambridge, MA, USA (c/o Proff. G.Schneider and S.Jhaveri) Activity Scientific Research in Neuroscience
From March 1993 to Oct. 1998	Researcher with Permanent Position Dept. of Anatomy and Human Physiology (then Dept. of Anatomy, Pharmacology and Forensic Medicine) of Turin
November - December 1992	Guest Researcher Dept. of Brain & Cognitive Sciences, MIT, Cambridge, MA, USA (c/o proff. G. Schneider e S. Jhaveri) Activity Scientific Research in Neuroscience
October 1990 - October 1991	Assistant Médecin Anatomy Institute of the University of Losanna, Switzerland (supervisor Prof. G.M. Innocenti, Dir. Prof. H. van der Loos) Activity Leave for study and researches purposes
From March 1990 to March 1993	Academic Researcher Department of Anatomy and Human Physiology of Turin
From Oct. 1986 to March 1990	PhD Student in Ophthalmology Department of Anatomy and Human Physiology of Turin (supervisor Prof. G.Filogamo)
1985 - 1986	Internal Student Urologic Clinic (Dir.: Prof. S. Rocca Rossetti)
From October 1981 to July 1986	Internal Student Institute of Human Anatomy (now Dept. of Anatomy and Human Physiology) of Turin, supervisor: Prof. G.Filogamo
TEACHING <i>University Degree Courses</i> <i>School of Medicine</i>	
October 1986 - present	Member of the Examining Board Human Anatomy
From October 1990 to Oct. 1991	Dissection Room Anatomy Institute of the University of Losanna, Switzerland
From 1 November 1998	appointed Professor Human Anatomy Course

<i>Degree in Medical Biotechnology</i>	University Course
From 2001/02 – at present	Human Anatomy (part of the courses "Cellular and Supracellular Structure", "Anatomy and Physiology of the animal models" and "Human and Physiology Anatomy") Sector Bachelor and Master Degree
<i>School of Dentistry</i>	Educational Activity
From October 1991 to 2002	Principles of Human Anatomy and Stomatognathic System, University of Turin Activity Lectures and practice exercises
From October 1989 to 2002	Member of the Examining Board Principles of Human Anatomy and Stomatognathic System, University of Turin
<i>Bachelor Degree</i>	University Course
Academic years 1994/95 1995/96 1996/97	Human Anatomy course (D.C. Anatomy and Istology and General Anatomy, Physiology) for the bachelor degree in: Speech Therapy; Orthoptist and Ophthalmology Assistant; Nursing Care; Audiometry technicians and Hearing-aid maker; Neuro Rehabilitation Technicians and Developmental Psychomotricity; Biomedical Lab Technicians
Academic years 1995/96 1996/97 1997/98	University Course Course of Neuroanatomy for the B.D. in: Neuro Rehabilitation Technicians and Developmental Psychomotricity
Academic years 1997/98 to 2001/02	University Course Topographic Anatomy course (integrated course of Anatomy and Physiology) for the B.D. in: Medical Radiology Technicians Human Anatomy Course (D.C. Anatomy and Histology) for the B.D. in: Biomedical Lab Technicians and Medical Radiology Technicians
From the academic year 1997/98 to 2003/04	University Course Course of Anatomy I (integrated course of Anatomy and Histology) and Anatomy II (integrated course of Radiological Anatomy) for the B.D. in Medical Radiology Technicians
<i>School of Sports Science</i>	University Course
Academic year 2000/01	Human Anatomy Course (at Voghera branch)
Academic year 2003/04	University Course Human Anatomy Course (at Asti branch)
From the academic year 2004/05 to 2008/09	University Course Commitment Human Anatomy Course (at Turin branch)
<i>School of Pharmacy</i>	University Course Commitment
From the academic year 2009/10 at present	Human Anatomy Course (Degree in Pharmacy)
From the academic year 2008/09 to 2010/11	University Course Commitment Human Anatomy Course (Degree in Pharmaceutical Salesmen)
<i>Schools of Specialization</i>	Psychiatry
From 1992/93 - at present	Sector «Integrative Functions and Structures of the C.N.S.» Neurosurgery Sector «Neuroanatomy»

From 1994/95 - at present

Neurosurgery

From 1996/97 - at present

Sector «Histology»

Urology

From 1996/97 to 2009/10

Sector «Physiology». From 2002/2003 at present also «Topographic and Systematic Anatomy of the Urinary Tract and Male Genital»

Neurology

From 1998/99 to 2009-10
and then again from 2013/14

Sector «Neuroanatomy»

Maxillofacial Surgery, Anesthesiology and Ophthalmology

From 2009/10

Cardiac Surgery

From 2017/18

PhD School
PhD Course Professor (Supervisor)

From 2005/06 to 2009/10

"Human Biology: cellular and molecular basis" e "Molecular Biotechnology (Coordinator Prof. F. Altruda)

PhD Course Professor (Supervisor)

From 2010-11 to

"Neuroscience" (Coordinator Prof. F. Bogetto, then M. Sassoè Pognetto)

Master
Urology (Anatomy of the Urinary System)

From 2006 to 2009

Sector Prostate cancer

Dissection Course c/o the IBCM of Lausanne (2008)

2008

Sector Maxillofacial Region

EDUCATION AND TRAINING

From 1980 to 1986

Degree in Medicine and Surgery
PhD in Ophthalmological Science
PhD in Human Anatomy
University of Turin

PERSONAL SKILLS

Mother tongue

Italian

Other languages

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken Interaction	Spoken Production	
English	C1/2	C1/2	C1/2	C1/2	C1/2
Proficiency Certificate University of Cambridge					
French	C1/2	C1/2	C1/2	C1/2	C1/2

Levels: A1/2 Basic User - B1/2 Independent User - C1/2 Proficient User
Common European Framework of Reference for Languages

Communication skills	Good communication skills (teacher from thirty years) Speaker and moderator in press conferences, national and international conferences in medical field
Managerial skills	University Professor Director/President of several Research Centres Basic and translational neuroscience researcher European project coordinator In this context, experience on processing personal data
Digital skills	<ul style="list-style-type: none"> ▪ Excellent knowledge of Microsoft Office tools ▪ Statistics programs ▪ Morphometry programs ▪ Image analysis ▪ Neurons reconstruction in 3D (NeuroLucida, MBF) ▪ Stereology programs (Stereoinvestigator, MBF)
Other skills	<ul style="list-style-type: none"> ▪ Tennis, chess
Driving licence	B type (Italian)

ADDITIONAL INFORMATION

Projects	<ul style="list-style-type: none"> ▪ European Project Coordinator, Horizon 2020 Eighth Framework Programme: <i>MY-AHA (My-Active and Healthy Ageing)</i> ▪ Member (PI) of the European Project <i>NeuroStemcellRepair</i>, Seventh Framework Programme of the European Union ▪ Member (PI) of the European Project <i>Stressprotect</i>, Fourth Framework Programme of the European Union ▪ Local unit PI for five PRIN funding projects ▪ Local unit PI for two projects funded by the Ministry of the Health (finalized research) ▪ Responsible of many projects funded by banking foundations (Compagnia di San Paolo, Cassa di Risparmio di Torino, Cassa di Risparmio di Biella, Cassa di Risparmio di Cuneo) ▪ Responsible of many research projects funded by the Piedmont Region
National and local panels	<p>Member of the ASN committee for the two-year period 2017-2018 (five rounds, 101 CVs screened for full professor, 219 CVs for associate professor, sector 05/H1 Human Anatomy)</p> <p>Several competitive exam local commission for associate professor (University of Milano, University of Palermo, University of Torino) and researcher (University of Genova, University of Milano, University of Milano Bicocca, University of Palermo, University of Pisa, University of Turin)</p>
Review Panels	<p>Referee for the Joint Program for Neurodegenerative Diseases, Human Frontiers Science Program, PRIN, ANR investissements d'Avenir, Fundação para a Ciência and Tecnologia Portugal, Cariverona Foundation, Cariparo Foundation, Muscular Dystrophy UK, Regione Campania</p> <p>Ex post editor for research projects at the University of Trento</p> <p>Referee for many scientific international journal in the Neuroscience field.</p> <p>Member of the editorial board for <i>Digitcult</i> journal and <i>Frontiers in Ageing Neuroscience</i>.</p>
Seminars	<p>University Seminars</p> <ul style="list-style-type: none"> ▪ 10 April 1992: Academy of Medicine of Turin: <i>Interhemispherical connections between visual areas: postnatal development of the areas of origin</i>; ▪ 30 March 1995: Department of Human Anatomy and Physiology of Turin, Physiological Pole: <i>Effects of eye enucleation and NADPH-diaphorase activity in the rat's superior colliculus</i>; ▪ 9 June 2013: "What are stem cells and what are they for?", Polytechnic of Turin; ▪ May 2014: "The beauty of neuroscience: the pyramidal cell" Turin, review "Now new" ▪ May 2014 "The Stamina method", review "The buffaloes in Medicine"; ▪ 10 October 2014, Turin, Hotel Santo Stefano, Urology Functional Course. "The pelvic floor: how the muscles work".

- 19 November 2015: "Cell therapy for neurodegenerative diseases".
- 29 January 2016: "Man-machine interaction in the assistance of the elderly". Conference: "Neurocognitive Disorders: state of the art and new frontiers"
- 23 November 2016: Presentation My-AHA Project. Hackunito for Ageing Torino
- 16 December 2016: "The aging brain". Conference "From Silver to Golden Age", Torino
- 17 December 2016: "The ethical challenges of modern medicine". Advanced Bioethic Course, Theology specialization course with social address, Turin
- 19 September 2017 Le basi anatomico-funzionali della affettività, Turin

Seminary in Italy

- 30 March 2000: "Specificity vs selection in the development of cerebral cortex: dendritic architecture of pyramidal neurons", SISSA, Trieste, I;
- September 2002: "Genetic and epigenetic factors that regulate the growth of dendrites" CNR, Pisa;
- June 2004: "Anatomy of the cervical tract", Alba;
- July 2004: Hearing at the Pharmaceutical Commission, at Istituto Superiore di Sanità, Roma, to report on research on stem cells and ALS;
- September 2004: "Role of Citron K in the development of the cerebral cortex", University of Catania;
- 7 April 2006: National course of Neuro-ophthalmology, Pollenzo. Functional neuroanatomy of vision;
- 25 October 2006: CRUI Conference. Research journey in Italy. Round Table: "Stem cell research: their current use and perspectives", Ferrara;
- 12 February 2008: "Role of JNK in neuronal death in cerebral infarction, epilepsy and cerebral ontogenesis", Milano, Besta;
- 19 March 2008: "Stem cell transplants in the pathological spinal cord: role bystander rather than cell replacement", Genova, DIMES;
- March 2012: "The environment interacts with genes and permanently modifies them in brain development", InfinitaMente, Verona ;
- April 2012: "Stem cell transplants in mouse models of spinal cord injury", FAIP meeting at the Health Ministry, Roma;
- 17 April 2012: "Spinal muscular movement and atrophy", Soroptimist Biella;
- 17 May 2012: "Role of JNK in neuronal death from excitotoxicity and its inhibition: peaceful citizens become killer", Catholic University, Roma;
- 22 June 2012: "Of mice and man: MSC in ALS. Lost in translation?", University of Cagliari;
- 17 June 2013: "Normal and pathological development of the cerebral cortex", Ferrero Foundation, Alba;
- 23 April 2014: "Stem cells: what they are and what they are for", Verona;
- 10 October 2014: "Morphometry in the central nervous system", Department of Biosciences, Milano;
- 27 October 2014: "Development of cortical pyramidal neurons in the control and pathological brain", Milano, Department of Pharmacological and Biomolecular Sciences, Center of Excellence on Neurodegenerative Diseases;
- 30 October 2014: "Immunomodulation and neuroprotection by stem cell administration", Ferrara.
- 9 November 2017 My-AHA World Usability Day, Turin
- 22 February 2018: "Insula e neuroni di von Economo", SOPSI, Rome
- 23 February 2018: My-AHA PhD meeting, Italian Society for Neuroscience, Naples.
- 12 March 2018 Development, morphology and connectivity of pyramidal neurons. Palermo
- 12 March 2018 My-AHA Palermo
- 17 March 2018 Il robot: utile, empatico, amico. Brain Awareness Week, Circolo dei Lettori, Torino
- 19 March 2018: Il robot. Rotary Polaris, Torino.
- 12 May 2018 Bookfair, Torino
- 6 February 2019 I robot della cura, I robot nell'assistenza delle persone fragili, questioni morali e bioetiche. Torino

Seminars Abroad

- 23 September 1993: "Effects of eye enucleation on NADPH-diaphorase activity in superior colliculus, Department of Anatomy and Histology", University of Salamanca, Spain;
- 8 August 1995: "NADPH-diaphorase in the developing superior colliculus of rats: effects of eye enucleation and of activity", Department of Brain and Cognitive Sciences, MIT, Cambridge, MA, USA;
- 9 May 1996: "Development of dendritic arbors of visual callosal neurons", University Laboratory of Physiology, Oxford University, UK;
- 9 December 1999: "Role of nitric oxide in the development of retinal projections", ICBM, Lausanne,

CH;

- 11 June 2002: "Somatodendritic minicolumns of output neurons in cerebral cortex", Department of Human Anatomy and Genetics, University of Oxford, UK.
- 4 October 2008: meeting, Cluny, COST;
- 3 February 2009: "JNK in the central nervous system: from physiology to neurodegeneration", Department of Brain and Cognitive Sciences, MIT, Cambridge, USA;
- 12 June 2009: "JNK in the central nervous system: from physiology to neurodegeneration", Karolinska Institutet, Stockholm;
- Boston 2010: "MGH Ctr for Regenerative Medicine: development, plasticity and organisation in modules of cortical pyramidal neurons", Massachusetts General Hospital;
- 2011: "Development, plasticity and organisation in modules of cortical pyramidal neurons", EPFL, Lausanne;
- 2 June 2013: "Role of JNK in neuronal death in development and disease", Al Quds University (Arab University of Jerusalem)
- 13 March 2015: "Immunomodulation and neuroprotection by stem cell transplantation", Hasselt (BE).
- 22 April 2015: "Role of JNK in neuronal death in development and disease", Karolinska Institutet, Stockholm.
- April 2018: "My-AHA project" University of KAUST, Saudi Arabia
- October 22, 2018: EU-FUNDED RESEARCH IN TECHNOLOGIES FOR A HEALTHY AND ACTIVE AGING: AN ITALIAN SUCCESS STORY A satellite event of the 2018 ISSNAF Annual Event. Italian Embassy in Washington.
- October 26, 2018: JNK: a double-edged sword in NS. Department of Neurology, UTMB Health, Galveston, USA

Prize 15 February 2019: Innovation 4.0, First prize for Research and University, A&T Fair, Torino

Tutoring Activity Responsible for the Erasmus and Leonardo programmes at the University of Turin with the University of Iasi (Romania, 2001)

Patents Participation in the development and testing of D-JNKI-1, named XG-102, by Xigen SA, Lausanne.

Membership in Groups / Associations Scientific Societies

Member of:

- 1986: Italian Society of Anatomy;
- 1987: Italian Society of Neuroscience;
- 1990: European Society of Neuroscience (ENA);
- 1992: Neuroscience Society USA; Italian Group for the Study of Neuromorphology (Council member since 2002); Member of the Advisory Committee of the International Society for Developmental Neuroscience (IDNA);
- Member of the Swiss Society of Anatomy and Histology and of the Union of Swiss Societies of Experimental Biology (USGEB);
- 2006: EBBS (European Brain & Behavior Society);
- 2015: ESN (European Society for Neurochemistry).

Advisory Board of:

- 2003-2007: "Italian Society of Neuroscience" (in which he was Coordinator of the "Brain Awareness Week - Brain Week" for Italy) - Secretary / Treasurer from 1 January 2006 to 31 December 2007.
- Italian Group for the study of Neuromorphology since 2003 (re-elected in 2006); since 2010 he holds the position of Secretary General;
- Treasurer of the World Congress, IBRO 2011 (Firenze);
- Member of the Congress Host Committee, FENS2014 (Milano).

Institutional, organizational and service activities performed in the Department, Faculty and University

- 2013-2014: Director of the NICO animal facility;
- 2012 at present: Member of the Operational Committee of the Neuroimaging Center;
- 2006-2012: Member of the Board of the NIT Interdepartmental Center (Neuroscience Institute at Turin); from July 2013 Director;
- October 2006 - 2009: elected in the SUISM School Interfaculty Council (Interfaculty School of Motor Sciences);
- Member of the Staff Commission of the Faculty of Medicine and Surgery of the University of Turin from 2007 to 2012;

- 2003-2007: Member of the Dean Board for Neurosciences of the University of Turin (Deans Proff. Bertolino and Pellizetti);
 - 1994-1998: Representative of Researchers in the Faculty of Medicine and Surgery, University of Turin.
- Positions covered in Department or in Doctoral Schools
- 2001-12: Member of the Council of the Department of Anatomy, Pharmacology and Medicine;
 - from 2012: Member of the Council of the Department of Neuroscience;
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 - 2001-2003: Delegate for the Safety of the Anatomy section of the Department of Anatomy, Pharmacology and Forensic Medicine.
- Invitations as a speaker at congresses and international interest conferences
- 9 September 1993: "*Developmental plasticity of dendrites in the CNS*", International School of Neuroscience, Isola d'Elba (IDNA);
 - 9 October 1995: "*Dendritic development of visual callosal neurons*", in the context of Fourth Conference of the Institute of Developmental Neuroscience and Aging: Recent advances in Neurobiology. Plasticity and Regeneration. St. Vincent, Aosta;
 - 25 April 2001: "*Nitricoxidesystem*" (in the context of the Congress of the Italian Society of Histochemistry);
 - September 2005: professor of the Course FENS "Development and Plasticity of the Human Cerebral Cortex", Zagabria, title: "*Experimental models of cortical development*";
 - 7 April 2006: invited to speak at the National Course of Neuro-Ophthalmology, Pollenzo: "*Functional neuroanatomy of vision*";
 - 25 October 2006: CRUI Conference October 25, 2006. Research journey in Italy. Round table: "*Stem cell research: their current use and prospects*", Ferrara;
 - 7 November 2006: 6th International Symposium on Experimental Spinal Cord Repair and Regeneration: "*Survival, differentiation and effects of stem cells of different lines in the injured spinal cord*", Brescia;
 - 21 December 2006: "*The brain and beyond: Columnar organization of the cerebral cortex*", Napoli;
 - 2 May 2009: "*Functional anatomy of the insular lobe*", Dubrovnik;
 - October 2009: "*JNK in developmental neuronal death following deafferentation and target ablation*", SINS Conference;
 - 2010: "*Stem cell therapy in spinal cord disease*", Buzios (Brazil);
 - 2011: "*Stem cells in spinal cord injury repair*", Brescia;
 - 2 June 2013: "*Role of JNBK in neuronal death in development and disease*", 2nd mini symposium on Brain Research: Broadening the understanding, Al Quds University;
 - 3 June 2013: "*Understanding cortical maldevelopment*", Peres Center for Peace, Jaffa (Israele);
 - 13 December 2013: participation in the symposium "*I am not my body, I am my mind*" as part of "2013: year of the Italian Culture in the US", Italian Embassy in Washington;
 - 27 November 2014: "*Microvesicles/exosomes, biological nanosized systems for the pathogenesis and therapy of neurodegenerative diseases*", NanotechItaly, Mestre.
 - 12 December 2014: "*Interoception and the insula. Anatomical and functional connectivity of the insula*". 2nd Italy-Japan colloquium on the neurosciences and the aging society", Sendai, Organized by the Italian Embassy in Tokyo;
 - 26 February 2015: "*Development, neural plasticity and schizophrenia*", SOPSI, Milano.
 - 24 September 2015: "*Anatomical connectivity of cortical projection neurons*". Conference "The brain and Gliomas", Brescia
 - 23 October 2015: "*Mesenchymal stem cells*", Novara
 - 26 May 2016: "*Molecular mechanisms of neuronal death: a time to live and one to die*". Conference on Neuropathology, Roma
 - 4 October 2016: "*Towards early detection of age-related health risks: understanding users' needs, unobtrusive sensing and data analysis*", Brussels
 - 21 October 2016: "*Animal models of neurodegenerative diseases and stem cell transplantation: a thing of the past or a requisite for clinical studies?*", Conference GISM
 - 4 November 2016: Science Agora Tokyo
 - 12 May 2017: "*Stem cell therapies in retinal diseases*", Torino
 - 20 September My-AHA, InformaEduca, Torino
 - 22 September 2017: "*An ICT platform to detect frailty risk and propose intervention*", Softcom 2017 Split (Symposium organized by L.Patrono)
 - 2 October 2017: "*Integration and behavioral outcomes of hMSN progenitors in the striatum of a model of HD*", XVII Congress of the Italian Society for Neuroscience, Ischia (Symposium organized by A.Vercelli)
 - 21 November 2017: "*My-AHA project: a tool for prevention and early diagnosis of neurodegenerative*

diseases", 2017 International Symposium on Health, Seul

Personal Data

I authorize the processing of my personal data according the Legislative Decree 30 June 2003, n. 196 "Code regarding the protection of personal data".

ATTACHMENTS

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- Publications;
 - Thesis supervisor, master's degree, doctorate.

9 LUGLIO 2019