

TIZIANO VERRI

Curriculum Vitae

May 2019

Birth Date: 12 February 1966
Birth Place: Lizzanello (Lecce, Italy)
Citizenship: Italian
Marital Status: Married (Laura)
Parental Status: One Child (Francesco Maria, 7 years old)

Fiscal Code: VRRITZN66B12E629D

Office address:

Department of Biological and Environmental
Sciences and Technologies
University of Salento
Via Provinciale Lecce-Monteroni
Lecce, Italy 73100

Home address:

Via O. De Donno 6
Lecce, Italy 73100

E-mail: tiziano.verri@unisalento.it
Phone: +39 0832 298869
Fax: +39 0832 298836

E-mail: tiziano_verri@yahoo.it
Phone: +39 0832 349090

Mobile: +39 349 8492287
Skype: tiziano.verri

Fields:

- Physiology & Biophysics, Functional Genomics, Bioinformatics

Education:

- University of Lecce, Lecce, Italy. M.Sc. (*magna cum laude*) in Biology, July 1989
M.Sc. thesis title: *Trasporto di Cl⁻ in vescicole di orletto a spazzola di intestino di anguilla (Anguilla anguilla): studi con un tracciante fluorescente*
Tutor: prof. Giuseppe Cassano (Lecce)
- *Federico II* University, Naples, Italy. Ph.D. in *Physiology*, December 1995
Ph.D. thesis title: *Clonaggio di un sistema di trasporto di membrana coinvolto nel riassorbimento tubolare di fosfato inorganico nel rene di coniglio: effetto di una dieta a basso contenuto di fosfato*
Tutor: prof. Carlo Storelli (Lecce)
Supervisor: prof. Heini Murer (Zürich-Irchel)

Employment:

- Assistant Professor of Physiology, University of Lecce, Italy, 2000-2006
- Associate Professor of Physiology, University of Salento (formerly University of Lecce), Italy, 2006-present

Academic qualifications

- Qualification for Assistant Professorship in General Physiology (Habilitation, April 5th 2000). University of Lecce, Lecce, Italy
- Qualification for Associate Professorship in Physiology (Habilitation, March 8th 2006). University of Catania, Catania, Italy
- Qualification for Full Professorship in Physiology (Habilitation, April 4th 2017). National competition.

Academic Appointments, Services and Functions (ongoing & past):

- Member of the Department of Biological and Environmental Sciences and Technologies Board (*'Giunta di Dipartimento'*), University of Salento, 2015-present
- Chairman of the Biotechnology Teachers' Council (*'Presidente del Consiglio Didattico'*), Faculty of Sciences, University of Salento, 2016-present
- Member of the Faculty of Sciences Board (*'Facoltà di Scienze MM.FF.NN.'*), University of Salento, 2016-2017
- Member of the Department of Biological and Environmental Sciences and Technologies Planning Commission (*'Commissione Programmazione'*), University of Salento, 2016-2018

Awards, Honors and Fellowships:

- *'Premio Giovani Promesse della Cultura Pugliese'* Award, Apulian Region, Taranto, Italy; Best M.Sc. Laureate in Biology in Apulia and Lucania in 1989, 1990
- Research Fellow (*'Akademischer Gast'*), University of Zürich-Irchel, Institute of Physiology, Zürich, Switzerland; granted by the *'Federico II'* University Ph.D. Program in *'Physiology'* and the University of Zürich-Irchel, Institute of Physiology, 1993-1994
- Post-doctoral Fellow, National Research Council of Italy, *'A. Cerruti'* Experimental Thalassographic Institute, Taranto, Italy; granted by the National Research Council of Italy for the Research Program: *'Aquaculture'*, 1995-1996
- Research Fellow, University of Padua, Department of Biology, Padua, Italy; granted by the National Research Council of Italy for the Research Program: *'Use of transgenesis in aquaculture'*, 1995-1996
- Post-doctoral Fellow, University of Lecce, Department of Biology, Lecce, Italy; granted by the Italian Ministry of Agriculture for the IV National Plan for Fisheries and Aquaculture Research Program: *'Improving gene transfer technology to improve aquaculture production'*, 1997-2000
- Research Fellow, University of Giessen, Institute of Nutritional Sciences, Giessen, Germany; granted by the University of Lecce, Department of Biology, 1998

- Guest and Research Collaborator, University of Hawaii at Manoa, Department of Zoology, Honolulu, Hawaii, U.S.A.; granted by the University of Lecce, Department of Biology, 1999
- Research Contractor, University of Lecce, Department of Biology, Lecce, Italy; granted by the Italian Ministry of Agriculture for the V National Plan for Fisheries and Aquaculture Research Program: '*Expression of heterologous genes in commercially interesting marine fish species (fam. Sparidae and Moronidae)*', 2000
- Short-term Scholar, University of North Florida, Department of Biology, Jacksonville, Florida, U.S.A.; granted by the University of North Florida, Department of Biology, and the University of Lecce, Department of Biology, 2002
- Research Fellow, Technical University of Munich, Institute of Nutritional Sciences, Freising-Weihenstephan, Germany; granted by the University of Lecce, 2004

Teaching and Tutorships:

@University of Salento

A. BACHELOR'S DEGREE LEVEL

(*Biological Sciences*' Program)

- Human Physiology (2002-2003)

(*Biotechnology*' Program)

- Animal Models Physiology (2003-2009)
- Bioinformatics Practicals (2003-present)

(*Pedagogy*' Program)

- Neurophysiology of Infancy, Childhood and Adolescence (2010)

B. MASTER'S DEGREE LEVEL

(*Human Biology*' Program)

- Human Physiology (2004-2009; 2016-present)
- Bioinformatics Practicals (2010-2012)

(*Biotechnological Sciences*' Program)

- Member of the Academic Board (2008-present)
- Physiology II (2005-2007)
- Biophysics (2011-present)

C. PH.D. DEGREE LEVEL

(*Biology and Biotechnology*' Program)

- Member of the Academic Board (2007-2016)
- Tutor:
Alessandro Romano
'Molecular and functional characterization of the zebrafish (Danio rerio) oligopeptide transporters'
XVII Ph.D. course, 2002-2005

Paola Pisani
'Characterization of a functionally-orphan transporter of the SLC15 family: the peptide/histidine transporter 1, SLC15A4(PHT1)'
XXIV Ph.D. course, 2009-2012
- University of Salento
Examiner
XXIII and XXIV course, 2012

(*Biological and Environmental Sciences and Technologies*' Program)

- Member of the Academic Board (2014-present)

Gianmarco Del Vecchio
'Automatic distribution of functional feeds for the zebrafish: better food for lab aquamodels (ZFeedPlus)'
XXXIII Ph.D. course, 2018-present

Aurora Mazzei
'On the physiological role of SLC15A4/PHT1 gene products at the intestinal epithelium level and in the pathogenesis of intestinal chronic inflammatory diseases''
XXXIV Ph.D. course, 2018-present
- University of Salento
Examiner
XXX course, 2018

D. INTERDISCIPLINARY EDUCATION UNIVERSITY SUPERIOR INSTITUTE (*ISTITUTO SUPERIORE UNIVERSITARIO DI FORMAZIONE INTERDISCIPLINARE*', ISUFI)

- Mentor:
Gianmarco Piccinno
'Functional characterization of intestinal solute carriers (PEPT1 and SGLT1) in wild-type murine intestinal organoids (MIOs)'
(Bacheror's Degree Program in *'Biotechnology'*)
2014-2016
- Mentor:
Valentino Totaro
'Glia: the other half of the moon''

(Bachelor's Degree Program in *Biotechnology*)
2017

- Teacher
2018-2020

E. (POST-LAUREAM) I LEVEL MASTER'S COURSE

(*Data Manager in Oncology*' Program)

- Bioinformatics and Databanks (2009-2010)

F. (POST-LAUREAM) II LEVEL MASTER'S COURSE

(*Molecular Biomedicine*' Program)

- Bioinformatics for Pharmacotherapy (2014-2015)
- Bioinformatics for Molecular Diagnostics (2016-2017)
- Bioinformatics for Molecular Diagnostics (2017-2018)
- Bioinformatics for Molecular Diagnostics (2018-2019)

@Other Universities in Italy

G. PH.D. DEGREE LEVEL

- University of Pisa
Member of the Academic Board
Ph.D. Program in *'Exploration of Molecules, Metabolism and Functions of Nervous System and Sense Organs'* (XIX-XXII Courses), 2003-2010
- University of Bari
Examiner
Ph.D. Program in *'Cellular and Molecular Technologies in Physiology'* (XVII Course), 2004
- University of Bari
Examiner
Ph.D. Program in *'Cellular and Molecular Technologies in Physiology'* (XIX Course), 2007
- University of Insubria
Examiner
Ph.D. Program in *'Cellular and Molecular Biology'* (XXIV Course), 2011
- University of Bari
Examiner
Ph.D. Program in *'Physiology and Cellular and Molecular Biotechnologies'* (XXV Course), 2013
- University of Insubria
Examiner

- Ph.D. Program in '*Cellular and Molecular Biology*' (XXVI Course), 2014
- University of Salento
Examiner
Ph.D. Program in '*Materials and Structures Engineering*' (XXVIII Course), 2016
 - University of Milan
External Reviewer
Ph.D. Program in '*Integrative Biomedical Research*' (XXIX Course), 2016
 - University of Bari
External Reviewer
Ph.D. Program in '*Physiology and Cellular and Molecular Biotechnologies*' (XXXI Course), 2019
 - University of Foggia
External Reviewer
Ph.D. Program in '*Experimental and Regenerative Medicine*' (XXXI Course), 2019

@Other Universities Abroad

H. MASTER'S DEGREE LEVEL

- University of Bergen, Norway
Co-supervisor
Snorre Bakke
'Dietary inclusion of peptides and the effect on the regional expression of the oligo-peptide transporter PepT1 (Slc15a1) in the intestine of Atlantic cod (Gadus morhua)'
Master Degree in '*Fish Biology*', 2008

I. PH.D. DEGREE LEVEL

- Newcastle University, U.K.
External Examiner
Nichola Conlon
'Structure-function studies of the SLC36 amino acid transporter family'
Ph.D. Program in '*Molecular Physiology*', 2014

Research Topics:

A. GENERAL TOPICS

- General, Comparative and Human Physiology, Animal Models Physiology, Applied Physiology, Biophysics, Comparative Functional Genomics, Bioinformatics

B. SPECIFIC TOPICS

- Membrane Physiology, Membrane Transport and Transporters, Solute Carrier (SLC) Families, the Solute Carrier 15 Family of H⁺/oligopeptide cotransporters (*basic science*); Nutrition, Growth & Metabolism, Rare Disease (*applied science*).

C. NARRATIVE

- *Principal investigations (basic science)*

Research activity is mainly centered on the examination of the transport processes/mechanisms that mediate the flux of solutes across epithelia. Major research interests cover the function and regulation of those Solute Carrier (SLC) membrane transport proteins that mediate the flux of small solutes (sugars, amino acids, vitamins, peptides, peptido-mimetics and peptide-like drugs) across the plasma and organelle membranes of (epithelial and non-epithelial) cells. To support this research, the project proponent routinely applies physiological and biochemical methodologies, as well as molecular biology and bioinformatics, and he uses both *in vitro* systems (cell lines, *Xenopus laevis* oocytes) and animal models, either conventional (mammals) or alternative (teleost fish and crustaceans). Among the latter is the cyprinid *Danio rerio* (zebrafish). Major published results regard the studies on the function and regulation of members of the SLC15 family of the H⁺-oligopeptide cotransporters, e.g. SLC15A1(PEPT1), SLC15A2(PEPT2), SLC15A4(PHT1), and SLC15A3(PHT2), of the SLC13 family of the Na⁺-sulfate/carboxylate cotransporters, e.g. SLC13A1/NaSi, and of the SLC34 family of the Type II Na⁺-phosphate cotransporters, e.g. SLC34A1/NaPi-2a, in animal and cellular models.

- *Principal investigations (applied science)*

Early experimental activity has been centered on the development of new strategies to improve gene transfer technology. Part of this applicative/biotechnological research regarded the somatic expression of heterologous genes in teleost fish and the analysis of the related processes of transcriptional activation, and it has also been conducted using both adenoviral vectors specifically designed for gene therapy and vectors based on transposable elements as gene vehicles. An aspect of this applicative/biotechnological research has specifically regarded the setup of protocols for DNA vaccination in teleost fish; this research on fish vaccines is still ongoing.

After his first enrollment on a permanent position at the University of Lecce (2000), Tiziano Verri has definitely focused on the physiology of digestive tract of lower vertebrates, with special emphasis to fish nutritional physiology, diet formulations, fish health, and human food production. Part of his research has been devoted to understand how efficiently amino acids as single molecules and/or in the form of small peptides (di- and tripeptides) are absorbed, metabolized and utilized for fish growth. These results have found a natural application in aquatic laboratory (zebrafish) and aquaculture (salmon and salmonids, cod, carp, sea bream, etc.) animal nutrition, health and welfare. At the moment, his collaborative network on fish digestive physiology and nutrition includes (to mention): prof. Hannelore Daniel, Research Center of Nutrition and Food Sciences (ZIEL), Biochemistry Unit, Technical University of Munich, Munich, Germany; prof. Ivar Rønnestad, Department of Biology, University of Bergen, Bergen, Norway; prof. Konrad Dabrowski, School of Environment and Natural Resources, The Ohio State University, Columbus, OH, USA; prof. Teresa Ostaszewska, Department of Ichthyobiology, Fisheries and Aquaculture Biotechnology, Faculty of Animal Science, Warsaw University of Life Sciences, Warsaw, Poland; prof. Elena Bossi, prof. Genciana Terova and prof. Marco Saroglia, Department of Biotechnology and Life Sciences, University of Insubria, Varese, Italy; Tecniplast s.p.a. R&D Team, Buguggiate (Varese), Italy.

In more recent years (2012-to date), functional genomics approaches have been developed and used to support/complement researches in human biology and pathology (with emphasis on rare disease). In particular, structure-to-function analyses have been used, based on the assumption that the evolution of vertebrates has been accompanied by the evolution of their own parts at each different level of biological organization. Thus, comparing information contained in (ortologous-paralogous) biosequences (e.g. nucleic acids, proteins, small peptides, etc.) from human to those obtained from very distantly related species along the vertebrate scale (fish included) can represent a valuable tool to analyze “a priori” protein evolution. Combined to the study of the whole set of missense variants in a protein, this comparative approach has proven to be very useful in solving the question of the role of proteins (e.g. saccin) unknown for function but known for being involved in rare genetic diseases. This translational approach can virtually be applied to the study of every single gene/group of genes of interest, with the possibility to identify stretches/domains/regions/etc. unknown but anyhow “conserved” and possibly relevant for playing a role in a pathology. At the moment, his collaborative network on functional comparative genomics of rare disease includes (to mention): dr. Filippo Santorelli, Molecular Medicine, IRCCS Fondazione Stella Maris, Calambrone (Pisa), Italy; dr. Giuseppe Merla, Medical Genetics Unit, IRCCS Casa Sollievo della Sofferenza Hospital, San Giovanni Rotondo (Foggia), Italy; dr. Angelo Quattrini and dr. Alessandro Romano, Neuropathology Unit, Institute of Experimental Neurology (INSPE), Division of Neuroscience, San Raffaele Scientific Institute, Milan, Italy.

Research Duties on Laboratories, Facilities and Offices

@Department of Biological and Environmental Sciences and Technologies, University of Salento

- Group Leader (Verri Lab), Laboratory of General Physiology, 2000-present
- Scientific Referent, Systems for Rearing and Experimentation on Model Organisms, BIOforIU (<http://bioforiu.unisalento.it>) Aquatic Ecosystems Laboratory, 2015-present

@Other Institutions

- Deputy Manager, Rare Disease Group, Integrated Laboratory for Interdisciplinary Research applied to Medicine (*Laboratorio Diffuso di Ricerca Interdisciplinare Applicata alla Medicina*, DREAM) (<http://dream.unisalento.it>), University of Salento and Lecce Local Health Authority (*Azienda Sanitaria Locale Lecce*, ASL-Lecce), 2015-2018
- Manager, Rare Disease Group, Integrated Laboratory for Interdisciplinary Research applied to Medicine (*Laboratorio Diffuso di Ricerca Interdisciplinare Applicata alla Medicina*, DREAM) (<http://dream.unisalento.it>), University of Salento and Lecce Local Health Authority (*Azienda Sanitaria Locale Lecce*, ASL-Lecce), 2018-present

Research Support:

After his first appointment at the University of Salento (2000), the project proponent, in addition to local research grants of the university (ex-60%) received uninterruptedly from 2001 to date (€ 40,000 approx.), at the national level, he has been involved in several PRIN programs as Participant (PRIN2001: *‘Trasporto di ioni e acqua in cellule tiroidee: caratterizzazione molecolare, regolazione e rapporti con la trasformazione neoplastica’*; PRIN2003: *‘Il controllo extracellulare dell’espressione e dell’attività della pendrina in linee cellulari tiroidee’*;

PRIN2010-2011: *Nanotecnologie molecolari per il rilascio controllato di farmaci – NANOMED*) or as Responsible of Research Unit (PRIN2005: *Protezione dei telomeri e checkpoints del DNA in Drosophila*).

In addition, he has been involved in the following national and international research programs:

- *Innovazione tecnologica nella produzione di molluschi eduli lamellibranchi* (INTEMOL)
Ministero dell'Università e della Ricerca Scientifica e Tecnologica - Piani di potenziamento della rete di ricerca scientifica e tecnologica. Progetto Potenziamento delle reti di ricerca nelle aree depresse, Cluster tematico C08: *Prodotti agroalimentari*
National Research Council of Italy, 'A. Cerruti' Experimental Thalassographic Institute, Taranto, Italy
Progetto 13 (€ 264,426)
Participant, 2002-2005
- *Studio dell'assorbimento gastrointestinale di antiossidanti naturali (idrossitiroso e suoi derivati), da soli o in miscele complesse estratte dalle acque di vegetazione con processi eco-compatibili, ai fini della realizzazione di nuove formulazioni ad aumentato assorbimento gastrointestinale e con migliori attività biologiche*
Accordo di Programma Quadro in Materia di *Ricerca Scientifica* nella Regione Puglia - Progetto Esplorativo, Regione Puglia, Assessorato Bilancio e Programmazione
University of Salento, Department of Biological and Environmental Sciences and Technologies, Lecce, Italy
Codice Cip: PE_062 (€ 148,000)
Principal Investigator, 2006-2008
- *Caratterizzazione molecolare e attività biologica di principi farmacologicamente attivi estratti da varietà di Artemisia, pianta proposta per la riconversione produttiva di zone attualmente destinate alla tabacchicoltura*
Accordo di Programma Quadro in Materia di *Ricerca Scientifica* nella Regione Puglia - Progetto Strategico, Regione Puglia, Assessorato Bilancio e Programmazione
University of Salento, Department of Biological and Environmental Sciences and Technologies, Lecce, Italy
Codice Cip: PS_070 (€ 1,129,000)
Research Unit Deputy Manager, 2006-2011
- *Tecniche avanzate di caratterizzazione molecolare per la determinazione quali-quantitativa di principi farmacologicamente attivi estratti da Artemisia annua, specie vegetale proposta per la riconversione produttiva di zone attualmente destinate alla tabacchicoltura*
Accordo di Programma Quadro in Materia di *Ricerca Scientifica* nella Regione Puglia - Progetto Esplorativo, Regione Puglia, Assessorato Bilancio e Programmazione
Codice Cip: PS_063
Research Unit Deputy Manager, 2007-2008
- *Ontogenetic and functional aspects of absorption of peptides in cyprinids and salmonids* (*Ontogenetyczne i funkcjonalne aspekty absorpcji peptydów u ryb karpionowych i łososiowatych*)
The Ministry of Science and Higher Education - Polish State Committee for Scientific Research (*Ministerstwo Nauki i Szkolnictwa Wyższego - Komitet Badan Naukowych*)
School of Life Sciences; Department of Animal Sciences (*Szkoła Główna Gospodarstwa Wiejskiego, Wydział Nauk o Zwierzętach*)

Application No.: N311 030 32/2256 (PLN 190,000 = € 43,753.20)
Research Unit Coordinator, 2007-2009

- *'Checking the performance of marine hydrolysates in fish diets: analysis of PEPT1 expression along European sea bass (Dicentrarchus labrax) intestine'*
SPF Aquativ-Diana, Elven, France
University of Salento, Department of Biological and Environmental Sciences and Technologies
Research Agreement 040311 (€ 27,840)
Principal Investigator, 2011-2012
- *'Cod Development'* (CODE)
Research Council of Norway
Department of Biology, University of Bergen, Norway
Application Number: ES449729 Project Number: -1 (NOK 21,000,000 = € 2,188,000)
Participant and Coordinator of Research, 2010-2014
- *'Rigenerazione di tessuti nervosi ed osteocartilaginei mediante innovativi approcci di tissue engineering'* (RINOVATIS)
PON Ricerca e Competitività 2007-2013, Unione Europea, Fondo Europeo di Sviluppo Regionale, con Ministero dell'Istruzione, dell'Università e della Ricerca, e Ministero dello Sviluppo Economico
DHITECH - Distretto Tecnologico High Tech Scarl, Lecce, Italy
Cod. PON02_00563_3448479 - F (€ 11,711,387)
Participant, 2012-2015 (Responsabile della sperimentazione sugli animali modello)
- *'Monitoring of air pollution effects on children to support public health policies'* (MAPEC_LIFE)
Life+ Program, European Commission
University of Brescia, Brescia, Italy
Grant No. LIFE12 ENV/IT/000614 (€ 2,246,502)
Participant, 2014-2018
- *ATS 'Sistema'*
Fondo di Sviluppo e Coesione 2007-2013 - Cluster Tecnologici Regionali 2014, Regione Puglia, Italy
Biotechgen s.r.l., Lecce, Italy
Codice Pratica T7WGSj3 (€ 1,246,888.00)
Participant, 2015-2018
- *'Improved feed for salmon through the selection of protein ingredients based on their functional properties'* (SalmoFeedPlus)
Vestlandet Regional Research Funds (*'Regionalt Forskingsfond Vestlandet'*), Norway
Ewos Innovation AS, Bergen, Norway
Prosjektnummer 247978 (Project No. 247978) (NOK 3,000,000 = € 315,000)
PI and Coordinator of Research, 2015-present
- *'Caratterizzazione di sostanze individuate nelle Acque di Vegetazione (AV) e valutazione del loro potenziale applicativo in ambito farmaceutico e/o nutraceutico'* (JUMP UP 2)
PO FESR 2014/2020-Titolo II-Capo 2 *'Aiuti ai programmi integrati promossi da PMI'* -AD n. 797 del 07/05/15 e s.m.i. *'Avviso per la presentazione di prog promossi da Piccole Imprese ai sensi*

dell'articolo 27 del Regolamento generale dei regimi di aiuto in esenzione n.17 del 30 settembre 14',
Regione Puglia, Italy
Lachifarma s.r.l., Zollino, Lecce, Italy
Codice Progetto 78M4CM5 (€ 2,252,839.38)
Research Unit Deputy Manager, 2018-present

Publications and Work Accepted for Publication:

A. BOOKS

- Poli A., Fabbri E., Agnisola C., Calamita G., Santovito G., **Verri T.** *Fisiologia Animale. Edises, Napoli, Italy*, pp. 1-633, 2014
- Poli A., Fabbri E., Agnisola C., Calamita G., Santovito G., **Verri T.** *Fisiologia Animale* (II edizione). *Edises, Napoli, Italy*, pp. 1-720, 2018

B. ARTICLES IN SCHOLARLY JOURNALS

- **Verri T.** *, Maffia M., Storelli C. H⁺/glycyl-glycine cotransport in eel intestinal brush border membrane vesicles: studies with the pH-sensitive dye acridine orange. *Biochim. Biophys. Acta* 1110(1): 123-126, 1992. I.F.(1992)=2.610
- Marsigliante S., **Verri T.**, Barker S., Jimenez E., Vinson G.P., Storelli C. Angiotensin II receptor subtypes in eel (*Anguilla anguilla*). *J. Mol. Endocrinol.* 12(1): 61-69, 1994. I.F.(1994)=2.232
- Perego C., Markovich D., Norbis F., **Verri T.**, Sorribas V., Murer H. Expression of rat ileal Na⁺-sulphate cotransport in *Xenopus laevis* oocytes: functional characterization. *Pflügers Arch. - Eur. J. Physiol.* 427(3-4): 252-256, 1994. I.F.(1994)=2.921
- Norbis F., Perego C., Markovich D., Stange G., **Verri T.**, Murer H. cDNA cloning of a rat small-intestinal Na⁺/SO₄²⁻ cotransporter. *Pflügers Arch. - Eur. J. Physiol.* 428(3-4): 217-223, 1994. I.F.(1994)=2.921
- Vilella S., Zonno V., Lapadula M., **Verri T.**, Storelli C. Characterization of plasma membrane Na⁺/H⁺ exchange in eel (*Anguilla anguilla*) intestinal epithelial cells. *J. Exp. Zool.* 271(1): 18-26, 1995. I.F.(1995)=1.209
- **Verri T.**, Markovich D., Perego C., Norbis F., Stange G., Biber J., Murer H. Cloning of a rabbit renal Na-P_i cotransporter, which is regulated by dietary phosphate. *Am. J. Physiol.* 268(4 Pt 2) (*Renal Fluid electrolyte Physiol.* 37): F626-F633, 1995. I.F.(1995)=3.244
- Markovich D., **Verri T.**, Sorribas V., Forgo J., Biber J., Murer H. Regulation of opossum kidney (OK) cell Na/P_i cotransport by P_i deprivation involves mRNA stability. *Pflügers Arch. - Eur. J. Physiol.* 430(4): 459-463, 1995. I.F.(1995)=2.646
- Sorribas V., Markovich D., **Verri T.**, Biber J., Murer H. Thyroid hormone stimulation of Na/P_i-cotransport in opossum kidney cells. *Pflügers Arch. - Eur. J. Physiol.* 431(2): 266-271, 1995. I.F.(1995)=2.646
- Maffia M., **Verri T.**, Danieli A., Thamotharan M., Pastore M., Ahearn G.A., Storelli C. H⁺/glycyl-L-proline cotransport in brush border membrane vesicles of eel (*Anguilla anguilla*) intestine. *Am. J. Physiol.* 272(1 Pt 2) (*Regulatory Integrative Comp. Physiol.* 41): R217-R225, 1997. I.F.(1997)=3.116
- **Verri T.**, Argenton F., Tomanin R., Scarpa M., Storelli C., Costa R., Colombo L., Bortolussi M. The bacteriophage T7 binary system activates transient transgene expression in zebrafish (*Danio rerio*) embryos. *Biochem. Biophys. Res. Comm.* 237(3): 492-495, 1997. I.F.(1997)=2.671

- Vilella S., Zonno V., Ingrosso L., **Verri T.**, Storelli C. Electroneutral Na⁺/H⁺ exchange in brush border membrane vesicles from *Penaeus japonicus* hepatopancreas. *Am. J. Physiol.* 274(2 Pt 2) (*Regulatory Integrative Comp. Physiol.* 43): R486-R493, 1998. I.F.(1998)=3.077
- **Verri T.***, Nocco G., Perrotta C., Vilella S., Zonno V., Costa R., Storelli C. Improving gene transfer technology in fish by transposable elements. *Biol. Mar. Med.* 5(3): 914-923, 1998. I.F.(1998)=0.000
- **Verri T.***, Maffia M., Danieli A., Herget M., Wenzel U., Daniel H., Storelli C. Characterization of the H⁺/peptide cotransporter of eel intestinal brush-border membranes. *J. Exp. Biol.* 203(Pt 19): 2991-3001, 2000. I.F.(2000)=1.989
- **Verri T.***, Mandal A., Zilli L., Bossa D., Mandal P.K., Ingrosso L., Zonno V., Vilella S., Ahearn G.A., Storelli C. D-glucose transport in decapod crustacean hepatopancreas. *Comp. Biochem. Physiol. A Mol. Integr. Physiol.* 130(3): 585-606, 2001. *Invited review.* I.F.(2003)=1.026
- Maffia M., Rizzello A., Acierno R., **Verri T.**, Rollo M., Danieli A., Döring F., Daniel H., Storelli C. Characterization of intestinal peptide cotransporter of the Antarctic haemoglobinless teleost *Chionodraco hamatus*. *J. Exp. Biol.* 206(Pt 4): 705-714, 2003. I.F.(2003)=2.271
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- Maffia M., **Verri T.**, Storelli C. *In vitro* methods used and findings in the analysis of ascorbic acid absorption in epithelial tissues of fish. *In: 'Ascorbic Acid in Aquatic Organisms: Status and Perspectives' K. Dabrowski Ed., CRC Press LLC, Boca Raton, FL, pp. 211-242, 2000*

- Benedetti M., Ducani C., Migoni D., Antonucci D., Vecchio V.M., Romano A, **Verri T.**, Fanizzi F.P. Possible incorporation of free N7-platinated guanines in DNA by DNA polymerases, relevance for the *cisplatin* mechanism of action. In: *Platinum Compounds. Molecular Mechanisms and Clinical Applications* (Series: Cancer Drug Discovery and Development) A. Bonetti, R. Leone, F. Muggia, S.B. Howell Eds., Humana Press, Totowa, NJ, pp. 125-132, 2009
- Terova G., Corà S., **Verri T.**, Gornati R., Bernardini G., Saroglia M. Transcriptomics of the compensatory growth in European sea bass *Dicentrarchus labrax*. In: *Functional Genomics in Aquaculture* M. Saroglia, Z. Liu Eds., John Wiley & Sons Inc, Hoboken, NJ, pp. 113-128, 2012
- **Verri T.**, Terova G., Romano A., Barca A., Pisani P., Storelli C., Saroglia M. The SoLute Carrier (SLC) family series in teleost fish. In: *Functional Genomics in Aquaculture* M. Saroglia, Z. Liu Eds., John Wiley & Sons Inc, Hoboken, NJ, pp. 219-320, 2012

Professional talks

A. INVITED TALKS

- 21st Congress of the European Society for Comparative Physiology and Biochemistry. *D-glucose transport in Decapod crustacean hepatopancreas*. Liege, Belgium, 24-28 July 2000
- 7th International Congress of Comparative Physiology and Biochemistry. *Peptide transport systems in crustacean models*. Salvador, Bahia, Brasil 12-16 August 2007
- Aquaculture Europe 2008. *Transport of di- and tripeptides in teleost fish intestine: the zebrafish Danio rerio PEPT1 transporter paradigm*. Krakow, Poland, 15-18 September 2008
- World Aquaculture 2009. *Molecular tools for fish nutrition: functional analysis of membrane transport proteins*. Veracruz, Mexico, 25-29 September 2009
- Experimental Biology 2013. *Teleost fish models in membrane transport research*. Boston, Massachusetts, U.S.A., 20-24 April 2013
- International Conference on Spinocerebellar Degenerations of the SPATAX/ASG/EFACTS Networks 2013. *Comparative analysis, functional mapping of SACS mutations and novel insights into saccin architecture*, Paris, France, 11-13 June 2013
- Seminari NIKON in Italia: Nuove Frontiere in Microscopia. *In vivo imaging in zebrafish*, Bari, Italy, 26 September 2017
- Giornate studio sull'impiego dei Modelli Acquatici a fini scientifici dell'Istituto Zooprofilattico Sperimentale dell'Abruzzo e del Molise 'G. Caporale'. *Solute transport(ers) in zebrafish gut*, Teramo, Italy, 15 October 2018

B. INVITED SEMINARS

- Bambino Gesù Children's Hospital, Molecular Medicine Unit Seminar. *Zebrafish as a model for experimental biology and human disease*. Vatican City, 20 November 2006
- University of Milan, Department of Pharmacological and Biomolecular Sciences Ph.D. Program in Physiology Seminar. *The SLC15 family of the H⁺-coupled transporters for di- and tripeptides: new perspectives from the animal model Danio rerio (zebrafish)*. Milan, Italy, 19 June 2006
- University of Insubria, Department of Biotechnology and Life Sciences Faculty Seminar. *Transport of di- and tripeptides in teleost fish intestine*. Varese, Italy, 14 November 2008
- University of Calabria, Department of Cell Biology Faculty Seminar. *The zebrafish toolbox*. Cosenza, Italy, 23 June 2010
- University of Milan, Department of Pharmacological and Biomolecular Sciences Ph.D. Program in Physiology Seminar. *Comparative analysis, functional mapping of SACS mutations*

‣ *novel insights into sacsin repeated architecture: a bioinformatics approach*. Milan, Italy, 18 June 2014

- University of Calabria, Department of Biology, Ecology and Earth Sciences Ph.D. Program in Life Sciences Seminar Series (A 'Notte dei Ricercatori' Event): '*Comparative physiology approaches in biomedical research*'. Cosenza, Italy, 30 September 2016
- SIF-ESCPBnew Workshop on Comparative and Environmental Physiology. '*A protein cold adaptation strategy via a unique seven amino acid domain in the icefish (Chionodraco hamatus) PEPT1 transporter*'. Portonovo, Ancona, Italy, 18-20 September 2013

Peer-Review and Related Activities:

EDITOR FOR (JOURNALS):

- *Frontiers in Physiology (Aquatic Physiology)* (Review Editor)
- *Frontiers in Nutrition (Nutritional Epidemiology)* (Review Editor)
- *BioMed Research International* (Guest Editor)
- *BioMed Research International* (Academic Editor)

REFEREE AND REVIEWER FOR (JOURNALS):

- *American Journal of Clinical Nutrition*
- *American Journal of Physiology (Endocrinology and Metabolism)*
- *American Journal of Physiology (Regulatory, Integrative and Comparative Physiology)*
- *American Journal of Physiology (Renal Physiology)*
- *Animal Genetics*
- *Aquaculture*
- *Biochimica et Biophysica Acta (Biomembranes)*
- *Biological Chemistry*
- *BioMed Research International*
- *BMC Genomics*
- *BMC Veterinary Research*
- *British Journal of Nutrition*
- *British Journal of Pharmacology*
- *Cell Stress and Chaperones*
- *Cellular and Molecular Life Sciences*
- *ChemMedChem*
- *Clinical Immunology Endocrine and Metabolic Drugs*
- *Comparative Biochemistry and Physiology (Part B: Biochemistry and Molecular Biology)*
- *Comparative Biochemistry and Physiology (Part C: Toxicology and Pharmacology)*
- *Comparative Biochemistry and Physiology (Part D: Genomics and Proteomics)*
- *Current Chemical Biology*
- *Current Medical Biology*
- *Current Opinion in Pharmacology*
- *Current Pharmaceutical Design*
- *Environmental Toxicology and Pharmacology*
- *European Journal of Histochemistry*
- *European Journal of Nutrition*
- *Experimental Gerontology*
- *Fish Physiology and Biochemistry*
- *Food Additives & Contaminants*
- *Frontiers in Genetics*

- *Frontiers in Marine Science*
- *Frontiers in Microbiology*
- *Frontiers in Molecular Biosciences*
- *Frontiers in Physiology (Aquatic Physiology)*
- *Frontiers in Physiology (Gastrointestinal Sciences)*
- *Frontiers in Physiology (Renal and Epithelial Physiology)*
- *Frontiers in Physiology (Respiratory Physiology)*
- *Frontiers in Physiology (Systems Biology)*
- *Frontiers in Public Health*
- *Gastroenterology*
- *Genetica*
- *International Immunopharmacology*
- *International Journal of Molecular Sciences*
- *Journal of Cellular Physiology*
- *Journal of Comparative Physiology B*
- *Journal of Experimental Biology*
- *Journal of Experimental Zoology (Part A: Ecological Genetics and Physiology)*
- *Journal of Experimental Zoology (Part B: Molecular and Developmental Evolution)*
- *Journal of Molecular Neuroscience*
- *JoVE*
- *Molecular Biotechnology*
- *Molecular Genetics and Metabolism*
- *Molecular Nutrition and Food Research*
- *Neuroscience Letters*
- *Nutrients*
- *Nutrition Research*
- *Peptides*
- *Physiological Genomics*
- *Plant Molecular Biology*
- *PLoS ONE*
- *Protein and Peptide Letters*
- *Reviews in Aquaculture*
- *Reviews in Fish Biology and Fisheries*
- *Scientific Reports*
- *SpringerPlus*
- *Toxicology Letters*

REFeree AND REVIEWER FOR (BOOKS):

- *Elsevier books*

REFeree AND REVIEWER FOR (FUNDING AGENCIES):

- *US National Science Foundation (US NSF)*
- *US Alzheimer's Association (ALZ)*
- *Croatian Science Foundation (HRZZ)*
- *UK Biotechnology and Biological Sciences Research Council (UK BBSRC)*
- *UK Engineering and Physical Sciences Research Council (UK EPSRC)*
- *Italian Ministry of Education, University and Research (MIUR)*
- *Italian "Fondazione Cassa di Risparmio di Puglia" (FCRP)*
- *French "Agence Nationale de la Recherche" (ANR)*

- *Human Frontier Science Program (HFSP)*

ASSESSOR AND REFEREE FOR (ACADEMIC CAREERS EVALUATION PROCESSES):

- *University of Bari, Faculty of Biotechnological Sciences, Bari, Italy* (Examination Board on Assistant Professorship in Physiology), November 2004
- *University of Queensland, Brisbane, Australia* (Confidential Report on Scholarship and Original Achievement: Promotion to Level D Reader), September 2005
- *University of Insubria, Department of Biotechnology and Life Sciences, Varese, Italy* (Examination Board on Associate Professorship in Physiology), July 2014

ASSESSOR AND REFEREE FOR (RESEARCH):

- *Italian Agency for the Evaluation of Universities and Research Centers (ANVUR)*
Italian Assessment of Research (VQR) 2011-2014

Professional Affiliations and Services:

MEMBERSHIPS:

- *Transporters Group (TRANSPORTERS)*
- *European Intestinal Transport Group (EITG)*
- *European Aquaculture Society (EAS)*
- *Italian Physiological Society (SIF)*
- *(Italian) Interdisciplinary Group for Chronic Inflammatory Diseases (GIMICRON)*
- *Italian Society of Human Genetics (SIGU)*
- *Comunità Scientifica di Riferimento della Stazione Zoologica Anton Dohrn di Napoli*
- *Consorzio Nazionale Interuniversitario per la Scienze del Mare (CoNISMa)*

CONFERENCES AND SEMINARS ORGANIZED:

- 13th European Intestinal Transport Group Meeting, Local Arrangements Committee, Otranto, Italy, 1995
- *'Transmembrane transports in cells and epithelia'* School of Biophysics and Physiology, Organizing Committee, Lecce, Italy, 2003
- Transporters 2006 Meeting, Organizing Committee, Parma, Italy, 2006
- 58th Congress of the Italian Society of Physiology, Local Organizing Committee, Lecce, Italy, 2007
- 8th IMID Scientific Conference on *'Stem cells: from immune mediated inflammatory diseases (IMIDs) to regenerative medicine'*, 2nd Symposium *'Towards an etiologic classification of IMIDs. The complex heterogeneity of predisposing conditions and risk factors'*, Session Chair, Lecce, Italy, 2012
- European Biotechnology Congress 2014, Local Organizing Committee, Lecce, Italy, 2014
- Training Course on *'PNS development, function, damage, regeneration and remyelination'*, Organizing Committee, Lecce, Italy, 2014
- MAPEC Project Local Workshop on *'Monitoring air pollution effects on children for supporting Public Health Policy'*, Session Chair, Lecce, Italy, 2014
- *'Il mese delle patologie reumatiche rare in età adulta e pediatrica'* - ECM Course, Scientific Committee, Lecce, Italy, 2016
- Tecniplast Meeting on *'Zebrafish and other aquatic models in Mediterranean labs (ZF-MED): Zebrafish as animal model for drug discovery and toxicology: much more than a 'tool''*, Organizing Committee, Napoli, Italy, 2017

- Tecniplast Meeting on *'Zebrafish and other aquatic models in Mediterranean labs (ZF-MED): Zebrafish as animal model for drug discovery and toxicology: much more than a 'tool'*, Organizing Committee, Palermo, Italy, 2017
- Tecniplast Meeting on *'Zebrafish and other aquatic models in Mediterranean labs (ZF-MED): Zebrafish, killifish, Octopus... and beyond'*, Organizing Committee and Chair, Lecce, Italy, 2017
- Tecniplast Meeting on *'Zebrafish and other aquatic models in Mediterranean labs (ZF-MED): Live imaging in zebrafish'*, Organizing Committee, Catania, Italy, 2018
- *'Gravidanza e malattie rare. Il percorso materno-fetale'* - ECM Course, Organizing Committee and Session Chair, Lecce, Italy, 2019

PATENTS AND SPIN-OFFS:

- *Preclinical* s.r.l.
Participant, UniSalento Spin-off
Shareholder at 10%, 2014

CONSENSUS CONFERENCES:

- *'Patto d'Intesa per la Ricerca e la Cura dei Bambini e delle Persone con Malattie Rare, sottoscritto il 20 febbraio 2015'* e *'Piano Operativo 2015-2018'*
Partecipante ai lavori del Tavolo Patto d'Intesa e Piano Operativo 2015-2018 e alla redazione del documento finale del Piano Operativo del Patto d'Intesa pubblicato in data 29 febbraio 2016.

EXECUTIVE SUMMARIES:

- *'Studio di fattibilità per la creazione di un distretto del freddo brindisino'*
Dipartimento di Ingegneria dell'Innovazione
Università del Salento
Partecipante alla realizzazione dello studio di fattibilità (Responsabile del Gruppo BIOTECH)
26 maggio 2015
- *'Scheda di output del Gruppo di Lavoro Biotecnologie (GdL6)'*
MARINE - Rete Pugliese Interdisciplinare multi-settore per l'innovazione tecnologica, la ricerca scientifica e lo sviluppo di servizi Marini e Marittimi nell'ambito dell'Economia Blu
Redattore della Scheda di Output
2 marzo 2016

CONSULTING:

- No regular private consultant activity carried out

DICHIARAZIONE SOSTITUTIVA DI CERTIFICAZIONI
(Art. 46 del D.P.R. 28 dicembre 2000 n. 445)
DICHIARAZIONE SOSTITUTIVA DELL'ATTO DI NOTORIETA'
(Art. 47 del D.P.R. 28 dicembre 2000, n. 445)

Il sottoscritto TIZIANO VERRI, nato a LIZZANELLO prov. LE il 12/2/1966, e residente in LECCE (LE) via O. DE DONNO 6, a conoscenza di quanto prescritto dall'art. 76 del D.P.R. 28 dicembre 2000, n. 445, sulla responsabilità penale cui può andare incontro in caso di falsità in atti e di dichiarazioni mendaci, ai sensi e per gli effetti del citato D.P.R. n. 445 /2000 e sotto la propria personale responsabilità:

DICHIARA le veridicità e la conformità di quanto riportato nel curriculum allegato alla domanda di partecipazione alla selezione di cui all'avviso del Direttore del DiSTeBA dell'Università del Salento, D.D. n. 589 del 20/12/2019.

Lecce, 19/5/2019

Il Dichiarante



Il sottoscritto in base all'art. 13 del D. Lgs. 196/2003 autorizza al trattamento dei dati personali contenuti nel presente curriculum vitae.

Lecce, 19/5/2019

Il Dichiarante

