

UNIVERSITÀ DEGLI STUDI DI MILANO

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**[Andrea Venerando]
CURRICULUM VITAE****INFORMAZIONI PERSONALI**

COGNOME	VENERANDO
NOME	ANDREA
DATA DI NASCITA	[25/06/1978]

Education

- 2017:** 31st March, National Scientific Qualification for the sector 05/E1 (General Biochemistry, SSD BIO/10) for Associate Professor.
- 2010:** PhD, Biochemistry and Biotechnologies (Biochemistry and Biophysics), Department of Biological Chemistry, University of Padova, Italy.
- 2005:** Degree in Chemistry and Pharmaceutical Techniques at the University of Padova, Italy.
- 1997:** High school certificate in Venezia, Italy.

Employment and Research Experience

- Mar. 2018-Feb. 2021 Non-tenured assistant professor (RTDa) in Biochemistry (BIO/10), Dept. Comparative Biomedicine and Food Science, University of Padova
- Apr.2016-Feb.2018 Recipient of "Assegno di Ricerca senior" from University of Padova, winner of "Assegni Senior 2015" grant, senior post-doc;
- Apr.2014-Mar.2015 European Institute for the Research of Cystic Fibrosis (IERFC) Fondazione ONLUS, San Raffaele Hospital, Milan. Scientific consultant;
- Apr.2014-Mar.2016 Recipient of "Assegno di Ricerca senior" from University of Padova, winner of "Giovani Studiosi 2013" grant, senior post-doc;
- Apr.2013-Mar.2014 National Research Council (CNR) Neurosciences Institute, Padova, Italy. Post-doc fellowship;
- Apr.2012-Mar.2013 Dept. Biomedical Sciences, University of Padova, Italy. Post-doc fellowship;
- Jan.2012-Apr.2012 Division of Medical Sciences, University of Dundee, Ninewells Hospital, Dundee, UK. Research Associate and visiting postdoc;
- Feb.2010-Jan.2012 Dept. Biological Chemistry, University of Padova, Italy. Post-doc fellowship;
- Aug.2009-Jan.2010 Venetian Institute of Molecular Medicine, Padova, Italy. Post-graduate internship;
- Jan.2009-Aug.2009 Venetian Institute of Molecular Medicine, Padova, Italy and Dept. Biological Chemistry, University of Padova, Italy. Research fellowship;

Jan.2008-Dec.2008	Venetian Institute of Molecular Medicine, Padova, Italy and Dept. Biological Chemistry, University of Padova, Italy. Research fellowship;
Jan.2007-Dec.2007	Venetian Institute of Molecular Medicine, Padova, Italy and Dept. Biological Chemistry, University of Padova, Italy. Research fellowship;
Jun.2006-Dec.2006	Venetian Institute of Molecular Medicine, Padova, Italy and Dept. Biological Chemistry, University of Padova, Italy. Novartis research fellowship;
Apr.2006-May2006	Department of Oncology and Surgical Sciences University of Padova, Italy. Research fellowship;
Jul.2005-Mar.2006	Venetian Institute of Molecular Medicine, Padova, Italy. Post-graduate internship.

Teaching activities

Teacher in charge for the course in ADVANCED TECHNOLOGIES FOR THE AGRIFOOD SECTOR (NANOTECHNOLOGIES, PROTEOMICS, METABOLOMICS) of the Second-cycle Degree in BIOTECHNOLOGIES FOR FOOD SCIENCE (English course, 4CFU, 32 hours, BIO/10), School of Agricultural Sciences and Veterinary Medicine, University of Padova (a.y. 2018/2019; 2019/2020; 2020/2021).

Teacher for the course (laboratory practice, 32 hours, BIO/10) in CHIMICA GENERALE E FONDAMENTI DI BIOCHIMICA of the First-cycle Degree in SICUREZZA IGIENICO-SANITARIA DEGLI ALIMENTI, School of Agricultural Sciences and Veterinary Medicine, University of Padova (a.y. 2018/2019; 2019/2020; 2020/2021).

Teacher for the course in APPLIED CHEMISTRY AND BIOCHEMISTRY of the First-cycle Degree in ANIMAL CARE (English course, 3CFU, 24 hours, BIO/10), School of Agricultural Sciences and Veterinary Medicine, University of Padova (a.y. 2020/2021).

Master degree thesis supervisor of two students from Second-cycle Degree in BIOTECHNOLOGIES FOR FOOD SCIENCE (thesis dissertation 02/27/2020). Thesis titles: "Evaluation of iron oxide based nanoconjugates to overcome poor permeability of new inhibitors of protein kinase CK2" and "Antimicrobial activity of EGCG: assessment of nano-based delivery strategy to improve its efficacy in *Pseudomonas aeruginosa* treatment".

Currently, master degree thesis supervisor of two students from Second-cycle Degree in BIOTECHNOLOGIES FOR FOOD SCIENCE (starting date: 10/26/2020 and 02/01/2021).

Supervisor for visiting Erasmus+ PhD student Dr. Rashmi Gupta from Dept. Bio-Engineering, Birla Institute of Technology (Mesra, India) from 03/01/2019 to 05/31/2019.

Master degree thesis opponent of two student from Second-cycle Degree in BIOTECHNOLOGIES FOR FOOD SCIENCE (thesis dissertation 12/13/2019 and 10/27/2020). Thesis titles: "Foam properties of Solanum tuberosum proteins: effects of stabilizers" (supervisor: prof. Marina Basaglia); "Role and stability of PLA2G2A in the intracellular environment" (supervisor: dr. Alessandro Bertoli).

Member of the supervisory board for OFA (Obblighi formativi aggiuntivi) test (11/23/18; 01/20/2020), School of Agricultural Sciences and Veterinary Medicine, University of Padova.

Open badges



<https://bestr.it/award/show/fotclp4kQCuN03P-9mAFaQ>

Institutional offices at University

10/21/2019-02/28/2021: Member of the Department Scientific Research Board “Commissione Ricerca Scientifica” of the Dept. Comparative Biomedicine and Food Science, University of Padova.

Member of degree commission (final dissertation exam) for students from First-cycle Degree in SICUREZZA IGIENICO-SANITARIA DEGLI ALIMENTI (12/11/2019; 04/20/2020) and from Second-cycle Degree in BIOTECHNOLOGIES FOR FOOD SCIENCE (12/13/2019; 02/27/2020; 07/24/2020; 10/27/2020).

Career highlights

Graduated in Chemistry and Pharmaceutical Techniques at the University of Padova (Italy) in 2005 with a thesis entitled “Chemical synthesis and structural-functional characterization of p13 protein from Human T-cell leukemia virus (HTLV-1)”. He obtained his PhD in Biochemistry and Biotechnologies (Biochemistry and Biophysics) at the University of Padova (Italy) in 2010 (Thesis entitled “Isoform specific phosphorylation of p53 Ser-20 by CK1 is dictated by both a local consensus and a remote docking site”). Member of the Italian Society of Biochemistry (since 2011). In 2017 he obtained the National Scientific Qualification for the sector 05/E1 (General Biochemistry, SSD BIO/10) for Associate Professor. He obtained many fellowships with Pharmaceutical Companies and Research Institutes (Novartis, Switzerland, 2006; Venetian Institute of Molecular Medicine, Italy, 2007-2010; Division of Medical Sciences, University of Dundee, Ninewells Hospital, UK, 2012; CNR, Italy, 2012-2013; IERFC, Milan, Italy, 2014-2015). Senior Postdoc at the Dept. of Biomedical Sciences, University of Padova (Italy) from 2014 to 2018, he became assistant professor (RTDa) in Biochemistry at the Dept. of Comparative Biomedicine and Food Science, University of Padova in March 2018, where he has been a member of the “Commissione per la Ricerca Scientifica” of the Department. Consultant for the Istituto Europeo per la Ricerca sulla Fibrosi Cistica – IERFC, in Milan (Italy). Author of 32 scientific papers published in international peer reviewed journals (Scopus: H-index 14, citations 623; Google scholar: H-index 15, i10-index 17, citations 852). Review Editor for Frontiers in Protein Chemistry and Enzymology and for Frontiers in Cellular Biochemistry. Reviewer for Frontiers in Microbiology, Frontiers in Chemistry, Frontiers in Pharmacology, Cancers, Molecules, Pathogens, International Journal of Molecular Sciences, International Journal of Nanomedicine, Colloids and Surfaces B:Biointerfaces, Scientific Reports, Expert Opinion on Biological Therapy and Pflügers Archiv - European Journal of Physiology (Publons researcherID: J-2924-2017). He participated at several national and international meetings and congresses as speaker and/or poster presenter. He has been involved in many projects with national and international collaborations, among them grants from Research Foundation for Cystic Fibrosis Fondazione-ONLUS in 2009, 2011, 2014, 2016, 2017 and 2019 and E-RARE grant from European Commission in 2014. Winner of “Progetto Giovani

Studiosi” in 2013 and “Progetto Senior” in 2015 with the project “Functional links between protein kinase CK2 and the Cystic Fibrosis Transmembrane-Conductance Regulator (CFTR) disclose new perspectives in Cystic Fibrosis therapy” and “A new strategy to correct Cystic Fibrosis basic defect”, respectively (both funded by University of Padova). Principal Investigator and Coordinator of the project “A kinase-directed approach to rescue functionality of F508del CFTR” (funded by the Research Foundation for Cystic Fibrosis Fondazione-ONLUS, grant number FFC#7/2014). Inventor in the international patent application n. 18208109.1-1112 (EP3656381A1; US2020179312A1) “Analogues of cysteamine as therapeutic agents for cystic fibrosis”.

Research interests

The main area of interest has been protein kinases, and in particular protein kinase CK1 and CK2. The main research field regards the study of the molecular and cellular mechanisms regulating by alteration of protein kinases signalling. Other research field has been the identification, development and characterization of new compounds able to affect protein kinases as pharmacological targets. In the last ten years, he has devoted his attention to the Cystic Fibrosis and in particular to protein kinases deregulation in this pathology. He studied the cellular and molecular mechanisms that involve the F508delCFTR mutation, in particular the use of small molecules to regulate its function, stability and trafficking at plasma membrane. Currently, he is studying new biotechnological applications of peculiar iron oxide nanoparticles, named Surface Active Maghemite Nanoparticles (SAMN), in the field of cell tracking, target driven drug delivery and purification of biomolecules from complex biological and environmental samples.

Honors and Awards

2019: Winner of “Bando Iniziative di Cooperazione Universitaria anno 2020” (University of Padova); Project: “Bioactive compounds delivery from hydrogel embedded iron oxide nanoparticles” in collaboration with Usak University (Turkey)
2017: Abilitazione Nazionale a Professore di II fascia 05/E1 SSD/BIO10 (National Qualification as Associate Professor in General Biochemistry, sector 05/E1, SSD BIO/10)
2015: Winner of “Progetto Senior”, University of Padova
2013: Winner of “Progetto Giovani Ricercatori”, University of Padova
2012: Selected and funded (Vaincre la Mucoviscidose and Lega Italiana Fibrosi Cistica-ONLUS) for the participation to 6th European CF Young Investigator Meeting (Paris, 24-27 April 2012)
2011: Winner of young researcher fellowship (Società Italiana di Biochimica - SIB funded) for the participation to 36th FEBS Congress (Torino, 25-30 June 2011)

Patent

International patent application n. 18208109.1-1112 (EP3656381A1; US2020179312A1) “Analogues of cysteamine as therapeutic agents for cystic fibrosis”, **Inventor**.

Project Participation

2019: COZZ_STARS20_01 (24 months) “F508delCFTR RESCUE” **Participant** (Project Leader: Prof. Giorgio Cozza).
2019: FFC#04/2019 (24 months) “Restoring defective proteostasis in Cystic Fibrosis: novel strategies for F508del-CFTR repair” **Participant** (Project Leader: Prof. Giorgio Cozza).
2016/2017: FFC#10/2016 and FFC#12/2017 (tot 24 months) “Modulation of protein kinases in the regulation of chaperone machinery leading F508delCFTR fate” **Participant** (Project Leader: Prof. Mauro Salvi).

- 2016/2017: FFC#2/2016 and FFC#10/2017 (tot 24 months) "Alternative strategies for F508delCFTR repair: novel targets for drug discovery approach in Cystic Fibrosis" **Participant** (Project Leader: Dr. Giorgio Cozza).
- 2014: FFC#7/2014 (24 months) "A kinase-directed approach to rescue functionality of F508del CFTR" **Project Leader**: Dr. Andrea Venerando
- 2014: E-Rare RescueCFTRpreclinic (36 months) "Cysteamine for the treatment of cystic fibrosis: a translational research project" **Participant** (Project Leader: Prof. Luigi Maiuri).
- 2013: Progetto AIRC (AIRC IG14180, 24 months), "Exploiting tumor addiction to protein kinase CK2 to develop new anti-cancer strategies". **Participant** (Project Leader: Prof. Lorenzo A. Pinna).
- 2011: FFC#3/2011 (24 months) "Subverted signalling by protein kinase CK2 in Δ F508 CFTR expressing cells. Functional aspects and prospects in therapy". **Participant** (Project Leader: Prof. Lorenzo A. Pinna).
- 2010: Progetto AIRC (AIRC IG10312, 24 months), "Cancer addiction to protein kinase CK2: mechanistic features and therapeutic perspectives". **Participant** (Project Leader Prof. Lorenzo A. Pinna).

Invited Speaker

- Oral presentation: 26th International Symposium on Molecular Medicine, Tivoli, Rome, Italy 7-9 May 2020 [postponed due Covid emergency, new date 13-15 May 2021];
- Oral presentation: Dept. Comparative Biomedicine and Food Science Seminars, Legnaro (PD), Italy, 24 September 2018;
- Oral presentation: Dept. Biomedical Sciences Seminars, Padova, Italy, 26 July 2016;
- Oral presentation: XIV Convention d'Autunno dei Ricercatori in Fibrosi Cistica, Garda, Italy, 24-26 November 2016;
- Oral presentation: XIII Convention d'Autunno dei Ricercatori in Fibrosi Cistica, Garda, Italy, 26-28 November 2015;
- Chairperson: 1st Italian Young Investigator Meeting in Cystic Fibrosis, Rome, Italy, 16-17 January 2015;
- Oral presentation X Convention d'Autunno dei Ricercatori in Fibrosi Cistica, Verona, Italy, Nov. 29 - Dec. 1, 2012
- Oral presentation: 6th European CF Young Investigator Meeting, Paris, France, 24-27 April 2012

Poster presentations

- 5th Annual VIMM Retreat, Dec. 1-2, 2006, Bertinoro (FC), Italy
- 52° Congresso Nazionale Società Italiana di Biochimica e Biologia Molecolare (SIB), Sept. 26-28 2007, Riccione (RN), Italy
- 6th Annual VIMM Retreat, Nov. 16-17, 2007, Marostica (VI), Italy
- 21a Riunione Nazionale "A. Castellani" dei Dottorandi di Ricerca in Discipline Biochimiche, Jun. 10-13, 2008, Brallo di Pregola (PV), Italy
- 7th Annual VIMM Retreat, Nov. 21-22, 2008, Bassano (VI), Italy
- 53° Congresso Nazionale della Società Italiana di Biochimica e Biologia Molecolare (SIB), Sept. 23-26 2008, Riccione (RN), Italy
- BioPhD Day, Apr. 3 2009, Padova, Italy

- 6th International Conference Inhibitors of Protein Kinases (IPK-2009) – Insights into Protein Kinases, Jun. 27-Jul. 1, 2009, Warsaw, Poland
- 8th Annual VIMM Retreat, Oct. 23-24, 2009, Marostica (VI), Italy
- 6th International Conference on Protein Kinase CK2 “Protein Kinase CK2 – a catalyst for biology, medicine and structural biochemistry”, Sep. 07-10, 2010, Koln, Germany
- 36th FEBS Congress, Jun. 25-30, 2011, Torino, Italy
- 10th Annual VIMM Retreat, Oct. 21-22, 2011, Marostica (VI), Italy.
- IX Convention d’Autunno dei Ricercatori in Fibrosi Cistica, Dec. 1-3, 2011, Verona, Italy
- 7th International Conference on Protein Kinase CK2, Sept. 10-13, 2013, Lublin, Poland
- 8th International Conference on Protein kinase CK2, Sept. 6-9, 2016, Homburg, Germany

Publications (Scopus: H-index 14, citations 623; Google scholar: H-index 15, i10-index 17, citations 852)

- 1 S. Zanin, S. Molinari, G. Cozza, M. Magro, G. Fedele, F. Vianello, **A. Venerando***. Intracellular protein kinase CK2 inhibition by ferulic acid-based trimodal nanodevice. *Int J Biol Macromol* (2020) Sep 30;S0141-8130(20)34566-9 [Online ahead of print]. doi: 10.1016/j.ijbiomac.2020.09.207 ***corresponding author**
- 2 M. Magro, S. Molinari, **A. Venerando**, D. Baratella, G. Zoppellaro, G. Salviulo, R. Zboril, F. Vianello. Colloidal maghemite nanoparticles with oxyhydroxide-like interface and chiroptical properties. *Applied Surface Science* (2020) Dec. 2020, 534:147567; doi: 10.1016/j.apsusc.2020.147567.
- 3 M. Magro, G. Cozza, S. Molinari, **A. Venerando**, D. Baratella, G. Miotto, L. Zennaro, M. Rossetto, J. Frommel, M. Kopečná, M. Šebela, G. Salviulo, F. Vianello. Role of carboxylic group pattern on protein surface in the recognition of iron oxide nanoparticles: A key for protein corona formation. *Int J Biol Macromol* (2020) Aug 3; S0141-8130(20)34054-X. doi: 10.1016/j.ijbiomac.2020.07.295.
- 4 M. Magro, **A. Venerando***, A. Macone, G. Canettieri, E. Agostinelli, F. Vianello. Nanotechnology based strategies to develop new anticancer therapies. *Biomolecules*. (2020) 10(5):735; doi:10.3390/biom10050735. ***co-first author**.
- 5 M. Magro, D. Baratella, **A. Venerando**, G. Nalotto, C.R. Basso, S. Molinari, G. Salviulo, J. Ugolotti, V.A. Pedrosa and F. Vianello. Enzyme Immobilization on Maghemite Nanoparticles with Improved Catalytic Activity: An Electrochemical Study for Xanthine. *Materials*. (2020) Apr;13:1776. Doi:10.3390/ma13071776.
- 6 M. Bortoletti, S. Molinari, L. Fasolato, J. Ugolotti, R. Tolosi, **A. Venerando**, G. Radaelli, D. Bertotto, M. De Liguoro, G. Salviulo, R. Zboril, F. Vianello, M. Magro. Nano-immobilized flumequine with preserved antibacterial efficacy. *Colloids and Surfaces B: Biointerfaces*. (2020) Apr;191:111019. doi:10.1016/j.colsurfb.2020.111019.
- 7 M. Magro, D. Baratella, V. Colò, F. Vallese, C. Nicoletto, S. Santagata, P. Sambo, S. Molinari, G. Salviulo, **A. Venerando**, C.R. Basso, V.A. Pedrosa, F. Vianello. Electrocatalytic nanostructured ferric tannate as platform for enzyme conjugation: Electrochemical determination of phenolic compounds. *Bioelectrochemistry*. (2020) Apr;132:107418. doi: 10.1016/j.bioelechem.2019.107418.
- 8 C. D'Amore, C. Borgo, V. Bosello-Travain, J. Vilardell, V. Salizzato, L.A. Pinna, **A. Venerando**, M. Salvi. Deciphering the role of protein kinase CK2 in the maturation/stability of F508del-CFTR. *Biochim Biophys Acta Mol Basis Dis*. (2020) Mar 1;1866(3):165611. doi: 10.1016/j.bbadis.2019.165611.
- 9 G. Cozza, F. Zonta, A. Dalle Vedove, **A. Venerando**, S. Dall'Acqua, R. Battistutta, M. Ruzzene, G. Lolli. Biochemical and cellular mechanism of protein kinase CK2 inhibition by deceptive curcumin. *FEBS J*. (2019) Oct 29. doi: 10.1111/febs.15111.

- 10 V.R. Villella, **A. Venerando**, G. Cozza, S. Esposito, E. Ferrari, R. Monzani, M.C. Spinella, V. Oikonomou, G. Renga, A. Tosco, F. Rossin, S. Guido, M. Silano, E. Garaci, Y.-K. Chao, C. Grimm, A. Luciani, L. Romani, M. Piacentini, V. Raia, G. Kroemer, L. Maiuri, A pathogenic role for cystic fibrosis transmembrane conductance regulator in celiac disease. *EMBO Journal*. 38 (2019). doi:10.15252/embj.2018100101.
- 11 **A. Venerando**, M. Magro, D. Baratella, J. Ugolotti, S. Zanin, O. Malina, R. Zboril, H. Lin, F. Vianello, Biotechnological applications of nanostructured hybrids of polyamine carbon quantum dots and iron oxide nanoparticles, *Amino Acids* (2019) Feb;52(2) doi:10.1007/s00726-019-02721-6.
- 12 M. Magro, D. Baratella, S. Molinari, **A. Venerando**, G. Salviulo, G. Chemello, I. Olivotto, G. Zoppellaro, J. Ugolotti, C. Aparicio, J. Tucek, A.P. Fifi, G. Radaelli, R. Zboril, F. Vianello, Biologically safe colloidal suspensions of naked iron oxide nanoparticles for in situ antibiotic suppression, *Colloids and Surfaces B: Biointerfaces*. 181 (2019) 102–111. doi:10.1016/j.colsurfb.2019.05.036.
- 13 G. Cozza, E. Moro, M. Black, O. Marin, M. Salvi, **A. Venerando**, V.S. Tagliabracci, L.A. Pinna, The Golgi ‘casein kinase’ Fam20C is a genuine ‘phosvitin kinase’ and phosphorylates polyserine stretches devoid of the canonical consensus, *FEBS Journal*. 285 (2018) 4674–4683. doi:10.1111/febs.14689.
- 14 C. Borgo, J. Vilardell, V. Bosello-Travain, L.A. Pinna, **A. Venerando***, M. Salvi, Dependence of HSP27 cellular level on protein kinase CK2 discloses novel therapeutic strategies, *Biochimica et Biophysica Acta - General Subjects*. 1862 (2018) 2902–2910. doi:10.1016/j.bbagen.2018.09.014. ***corresponding author.**
- 15 **A. Venerando**, L. Cesaro, L.A. Pinna, From phosphoproteins to phosphoproteomes: a historical account, *FEBS Journal*. 284 (2017) 1936–1951. doi:10.1111/febs.14014.
- 16 S.H. Ibrahim, M.J. Turner, V. Saint-Criq, J. Garnett, I.J. Haq, M. Brodli, C. Ward, C. Borgo, M. Salvi, **A. Venerando**, M.A. Gray, CK2 is a key regulator of SLC4A2-mediated Cl⁻/HCO₃⁻ exchange in human airway epithelia, *Pflügers Archiv European Journal of Physiology*. 469 (2017) 1073–1091. doi:10.1007/s00424-017-1981-3.
- 17 G. Cozza, **A. Venerando**, S. Sarno, L.A. Pinna, The Selectivity of CK2 Inhibitor Quinalizarin: A Reevaluation, *BioMed Research International*. 2015 (2015). doi:10.1155/2015/734127.
- 18 **A. Venerando**, M. Ruzzene, L.A. Pinna, Casein kinase: The triple meaning of a misnomer, *Biochemical Journal*. 460 (2014) 141–156. doi:10.1042/BJ20140178.
- 19 **A. Venerando**, L. Cesaro, O. Marin, A. Donella-Deana, L.A. Pinna, A “sYDE” effect of hierarchical phosphorylation: Possible relevance to the cystic fibrosis basic defect, *Cellular and Molecular Life Sciences*. 71 (2014) 2193–2196. doi:10.1007/s00018-014-1581-8.
- 20 D. De Stefano, V.R. Villella, S. Esposito, A. Tosco, A. Sepe, F. De Gregorio, L. Salvadori, R. Grassia, C.A. Leone, G. De Rosa, M.C. Maiuri, M. Pettoello-Mantovani, S. Guido, A. Bossi, A. Zolin, **A. Venerando**, L.A. Pinna, A. Mehta, G. Bona, G. Kroemer, L. Maiuri, V. Raia, Restoration of CFTR function in patients with cystic fibrosis carrying the F508del-CFTR mutation, *Autophagy*. 10 (2014) 2053–2074. doi:10.4161/15548627.2014.973737.
- 21 **A. Venerando**, C. Girardi, M. Ruzzene, L.A. Pinna, Pyrvinium pamoate does not activate protein kinase CK1, but promotes Akt/PKB down-regulation and GSK3 activation, *Biochemical Journal*. 452 (2013) 131–137. doi:10.1042/BJ20121140.
- 22 **A. Venerando**, C. Franchin, N. Cant, G. Cozza, M.A. Pagano, K. Tosoni, A. Al-Zahrani, G. Arrigoni, R.C. Ford, A. Mehta, L.A. Pinna, Detection of Phospho-Sites Generated by Protein Kinase CK2 in CFTR: Mechanistic Aspects of Thr1471 Phosphorylation, *PLoS ONE*. 8 (2013). doi:10.1371/journal.pone.0074232.
- 23 K. Tosoni, M. Stobbart, D.M. Cassidy, **A. Venerando**, M.A. Pagano, S. Luz, M.D. Amaral, K. Kunzelmann, L.A. Pinna, C.M. Farinha, A. Mehta, CFTR mutations altering CFTR fragmentation, *Biochemical Journal*. 449 (2013) 295–305. doi:10.1042/BJ20121240.
- 24 L. Cesaro, O. Marin, **A. Venerando**, A. Donella-Deana, L.A. Pinna, Phosphorylation of cystic fibrosis transmembrane conductance regulator (CFTR) serine-511 by the combined action of tyrosine kinases and

- CK2: The implication of tyrosine-512 and phenylalanine-508, *Amino Acids*. 45 (2013) 1423–1429. doi:10.1007/s00726-013-1613-y.
- 25 G. Lolli, G. Cozza, M. Mazzorana, E. Tibaldi, L. Cesaro, A. Donella-Deana, F. Meggio, **A. Venerando**, C. Franchin, S. Sarno, R. Battistutta, L.A. Pinna, Inhibition of protein kinase CK2 by flavonoids and tyrphostins. a structural insight, *Biochemistry*. 51 (2012) 6097–6107. doi:10.1021/bi300531c.
- 26 A. **Venerando**, M.A. Pagano, K. Tosoni, F. Meggio, D. Cassidy, M. Stobbart, L.A. Pinna, A. Mehta, Understanding protein kinase CK2 mis-regulation upon F508del CFTR expression, *Naunyn-Schmiedeberg's Archives of Pharmacology*. 384 (2011) 473–488. doi:10.1007/s00210-011-0650-x.
- 27 E. Tibaldi, **A. Venerando**, F. Zonta, C. Bidoia, E. Magrin, O. Marin, A. Toninello, L. Bordin, V. Martini, M.A. Pagano, A.M. Brunati, Interaction between the SH3 domain of Src family kinases and the proline-rich motif of HTLV-1 p13: A novel mechanism underlying delivery of Src family kinases to mitochondria, *Biochemical Journal*. 439 (2011) 505–516. doi:10.1042/BJ20101650.
- 28 **A. Venerando**, O. Marin, G. Cozza, V.H. Bustos, S. Sarno, L.A. Pinna, Isoform specific phosphorylation of p53 by protein kinase CK1, *Cellular and Molecular Life Sciences*. 67 (2010) 1105–1118. doi:10.1007/s00018-009-0236-7.
- 29 M. Silic-Benussi, E. Cannizzaro, **A. Venerando**, I. Cavallari, V. Petronilli, N. La Rocca, O. Marin, L. Chieco-Bianchi, F. Di Lisa, D.M. D'Agostino, P. Bernardi, V. Ciminale, Modulation of mitochondrial K⁺ permeability and reactive oxygen species production by the p13 protein of human T-cell leukemia virus type 1, *Biochimica et Biophysica Acta - Bioenergetics*. 1787 (2009) 947–954. doi:10.1016/j.bbabi.2009.02.001.
- 30 G. Cozza, A. Gianoncelli, M. Montopoli, L. Caparrotta, **A. Venerando**, F. Meggio, L.A. Pinna, G. Zagotto, S. Moro, Identification of novel protein kinase CK1 delta (CK1δ) inhibitors through structure-based virtual screening, *Bioorganic and Medicinal Chemistry Letters*. 18 (2008) 5672–5675. doi:10.1016/j.bmcl.2008.08.072.
- 31 A. Ferrarese, O. Marin, V.H. Bustos, **A. Venerando**, M. Antonelli, J.E. Allende, L.A. Pinna, Chemical dissection of the APC repeat 3 multistep phosphorylation by the concerted action of protein kinases CK1 and GSK3, *Biochemistry*. 46 (2007) 11902–11910. doi:10.1021/bi701674z.
- 32 V.H. Bustos, A. Ferrarese, **A. Venerando**, O. Marin, J.E. Allende, L.A. Pinna, The first armadillo repeat is involved in the recognition and regulation of β-catenin phosphorylation by protein kinase CK1, *Proceedings of the National Academy of Sciences of the United States of America*. 103 (2006) 19725–19730. doi:10.1073/pnas.0609424104.

Data

16/03/2021

Luogo

Padova