


compilare i seguenti campi:

<p>Prof. SERGIO BERNARDINI</p>  A portrait photograph of Prof. Sergio Bernardini, a man with a beard and glasses, wearing a dark jacket over a light blue shirt. He is standing outdoors in front of a white building with a black metal fence.	<p><i>Full Professor in Clinical Biochemistry and Clinical Molecular Biology-Head Physician of the Laboratory Medicine Unit</i></p> <p>University of Tor Vergata Hospital, Viale Oxford 81, 00133 Rome-Italy-1st floor, Clinical Biochemistry Lab., office 147 Tel.: +39 06 20902262 Mail:</p>
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compilare i seguenti campi:

Education

1986: Doctor of Medicine, University of Rome "La Sapienza"

1990: Postgraduate specialization in Pediatrics, University of Rome Tor Vergata

1990-1991: Internship at the Department of Endocrinology, Karolinska Sjukhuset, Stockholm

1995: PhD in Paediatrics, University of Rome Tor Vergata

1998: Postgraduate Specialization in Clinical Biochemistry, University of Camerino

Work Experience

1997-2010: Research consultant in Clinical Biochemistry and Clinical Molecular Biochemistry, Bambino Gesù Children Hospital, Rome.

1998-2001: Researcher in Clinical Biochemistry at the Department of Internal Medicine, University of Rome Tor Vergata.

2000-2018: Member of the Professors' Committee for the PhD programme in Biochemical Sciences, University of Rome Tor Vergata.

2018-present: Member of the Professors' Committee for the PhD programme in Industrial Engineering, University of Rome Tor Vergata.

2002-2012: President of undergraduate course in "Diagnostic laboratory techniques in the medical field".

2002-2006: Associate Professor in Clinical Biochemistry and Clinical Molecular Biochemistry at the Department of Internal Medicine, University of Rome Tor Vergata.

2007-present: Full Professor in Clinical Biochemistry and Clinical Molecular Biochemistry at the Department of Experimental Medicine, University of Rome Tor Vergata.

2008-2010: Visiting scientist at the Medical Research Council-Toxicology Unit, Leicester, U.K

2012-2018: Director of the Postgraduate Specialization in Clinical Pathology and Clinical Biochemistry University of Rome Tor Vergata.

2012-2016: Director of the Postgraduate Master in "Ethical regulatory and methodological aspects of clinical trials" University of Rome Tor Vergata.

2013-2016: President of Degree course in Pharmacy, University of Rome Tor Vergata.

2016-present: Director of the InterDipartimental Center for Culture and Science of Sport, University of Tor Vergata.

2016-present : Director of the Inter University Center for Social Sport, University of Tor Vergata/Roma Tre.

2016-2019 : Dean of Degree in Sport and Exercise Sciences, University of Tor Vergata.

Current Teaching Responsibilities

Clinical Biochemistry and Clinical Molecular Biology in the following Courses at the University of Tor Vergata, Rome:

- Bachelor course in Diagnostic laboratory techniques in the medical field;
- Degree courses in Medicine, Medical Biotechnologies;
- School of Sport and Exercise Sciences;
- Postgraduate courses in Clinical Biochemistry, Gastroenterology, Neurology, Medical Genetics, Allergology and Immunology, Paediatrics, Surgery
- PhD Course in Industrial Engineering Committee Member

compilare i seguenti campi:

Scientific Interests

From 1984 to 1991 my research focused on paediatric endocrinology with particular interest in growth hormone and insulin like growth factors and their binding proteins. From 1991 to 1998 my studies concentrated on the role of the molecules described above and on retinoids in the apoptotic pathways in oncology, in particular neuroblastoma.

Since 1998 I have focused on Glutathione transferases, a family of enzymes involved in cell detoxification and in the control of the programmed cell death. This work has concentrated on the role of those enzymes in the mechanisms responsible for drug resistance depending on changes in the redox status of the cell. As part of this research I have set up and managed a cell and molecular biology laboratory able to perform qRT-PCR and microarray for differential gene expression as well as some applications in Proteomics.

Since 2003 I have collaborated in the application of molecular biology methods and proteomics techniques in research applied to neurodegenerative diseases, oncology and pharmacogenetics.

Since 2009 I have collaborated in the application of molecular biology and biochemical methods to monitoring of sport training and performance.

Hospital Work

1994 to 1997: assistant to the Clinical Biochemistry Laboratory of Bambino Gesù Children Hospital of Rome.

2000 to 2006: chief of the Allergology and Autoimmunity sections at the Tor Vergata University Hospital of Rome.

2007-2012: Head physician of the Clinical Molecular Biology Unit- Tor Vergata University Hospital

2012-2019: Head physician of the Laboratory Medicine Unit- Tor Vergata University Hospital

2019-present: Chief of the Laboratory Medicine Functional Integratd Area (Clinical Biochemistry, Microbiology, Virology and Pathology)- Tor Vergata University Hospital.

Member of :

2018-2019: President of the Italian Society of Clinical Biochemistry and Clinical Molecular Biology (SIBioC)

2012-2017: Secretary of the International Federation Clinical Chemistry and Laboratory Medicine (IFCC)

2018-present: Chair of the Emerging Technologies Division of IFCC

2016-present: member of the Editorial Board of Clinica Chimica Acta

2019-present: member of the Editorial Board of Critical review in Clinical Laboratory Sciences

International Conference Scientific Meeting Membership:

EuroMedLab 2019 Barcelona (Spain)

AACC Conference 2020 Chicago (US)

WorldLab/EuroMedLab 2023 Rome, President of the Congress

Authors of more than 300 publications in peer review International Journals.

compilare i seguenti campi:

Publications 2016-2021

2016

Liguori C, Placidi F, Izzi F, Nuccetelli M, Bernardini S, Sarpa MG, Cum F, Marciani MG, Mercuri NB, Romigi A. Beta-amyloid and phosphorylated tau metabolism changes in narcolepsy over time.

Sleep Breath. 2016 Mar;20(1):277-83

Ialongo C, Pieri M, Bernardini S.

Artificial Neural Network for Total Laboratory Automation to Improve the Management of Sample Dilution: Smart Automation for Clinical Laboratory Timeliness.

J Lab Autom. 2016 Mar 8. pii: 2211068216636635. [Epub ahead of print] PubMed PMID: 26956577.

Ialongo C, Bernardini S.

Phlebotomy, a bridge between laboratory and patient.

Biochemia Medica 2016; 26:13-33.

Ialongo C, Bernardini S. Timeliness "at a glance": assessing the turnaround time through the six sigma metrics.

Biochemia Medica 2016;26:98-102.

Ialongo C, Marano M, Bertucci PF, Marsella LT, De Zorzi A, Bernardini S.

The importance of the toxicological analysis in newborns: clearing the case of a tetralogy of Fallot with a paradoxical reaction to 1-hydroxymidazolam.

Journal of Pediatric and Neonatal Individualized Medicine 2016;5:e1-7.

Barbetti F, Colombo C, Haataja L, Cras-Méneur C, Bernardini S, Arvan P.

Hyperglucagonemia in an animal model of insulin-deficient diabetes: what therapy can improve it?

Diabetes And endocrinology 2016; 2:11

Fintini D, Cappa M, Brufani C, Bernardini S, Barbetti F.

Prevalence of elevated 1-h plasma glucose and its associations in obese youth. Diabetes Res Clin Pract. 2016 Jun;116:202-4.

Bizzarri C, Massimi A, Federici L, Cualbu A, Loche S, Bellincampi L, Bernardini S, Cappa M, Porzio O. A . New Homozygous Frameshift Mutation in the HSD3B2 Gene in an Apparently Nonconsanguineous Italian Family.

Horm Res Paediatr. 2016 Apr 16. [Epub ahead of print] PubMed PMID: 27082427.

Liguori C, Nuccetelli M, Izzi F, Sancesario G, Romigi A, Martorana A, Amoroso C, Bernardini S, Marciani MG, Mercuri NB, Placidi F.

Rapid eye movement sleep disruption and sleep fragmentation are associated with increased orexin-A cerebrospinal-fluid levels in mild cognitive impairment due to Alzheimer's disease.

Neurobiol Aging. 2016 Apr;40:120-6.

compilare i seguenti campi:

Pieri M, Pignalosa S, Dinallo V, Crisanti A, Casalino P, Bernardini S, Dessi M, Rossella Z. Free light chains nephelometric assay: human urine stability in different storage conditions.

Clin Chem Lab Med. 2016 Feb 25. pii: /j/cclm.ahead-of-print/cclm-2015-1174/cclm-2015-1174.xml. doi: 10.1515/cclm-2015-1174. [Epub ahead of print] PubMed PMID: 26913458.

Ialongo C, Porzio O, Giambini I, Bernardini S.

Total Automation for the Core Laboratory: Improving the Turnaround Time Helps to Reduce the Volume of Ordered STAT Tests.

J Lab Autom. 2016 J Lab Autom. Jun;21(3):451-8.

Godos J, Zappalà G, Bernardini S, Giambini I, Bes-Rastrollo M, Martinez-Gonzalez M.

Adherence to the Mediterranean diet is inversely associated with metabolic syndrome occurrence: a meta-analysis of observational studies.

Int J Food Sci Nutr. 2016 Aug 25:1-11. [Epub ahead of print] PubMed PMID: 27557591.

Onorati M, Sancesario G, Pastore D, Bernardini S, Carrión JE, Carosi M, Vignoli L, Lauro D, Gentile G.

Plasma concentrations of progesterone and estradiol and the relation to reproduction in Galápagos land iguanas, *Conolophus marthae* and *C. subcristatus* (Squamata, Iguanidae).

Anim Reprod Sci. 2016 Sep;172:105-13. doi: 10.1016/j.anireprosci.2016.07.007. Epub 2016 Jul 15. PubMed PMID: 27449407.

Roselli M, Ferroni P, Riondino S, Mariotti S, Portarena I, Alessandrini J, Ialongo C, Massoud R, Costarelli L, Cavaliere F, Bernardini S, Guadagni F. Functional impairment of activated protein C in breast cancer - relationship to survival outcomes.

Am J Cancer Res. 2016 Jun 1;6(6):1450-7. eCollection 2016. PubMed PMID: 27429857; PubMed Central PMCID: PMC4937746.

Ialongo C, Pieri M, Bernardini S. Smart management of sample dilution using an artificial neural network to achieve streamlined processes and saving resources: the automated nephelometric testing of serum free light chain as case study.

Clin Chem Lab Med. 2016 Jul 12. pii: /j/cclm.ahead-of-print/cclm-2016-0263/cclm-2016-0263.xml. doi:10.1515/cclm-2016-0263. [Epub ahead of print] PubMed PMID: 27404901.

Petropoulos K, Piermarini S, Bernardini S, Palleschi G, Moscone D.

Development of a disposable biosensor for lactate monitoring in saliva.

Sensor and Actuators B: Chemical 2016;237:8-15.

Pieri M, Pignalosa S, Zenobi R, Callà C, Martino FG, Menichella G, Mancina F, Moscato U, Nocca G, Khashoggi H, Bernardini S, Dessi M, Di Daniele N. Reference intervals for HbA1c partitioned for gender and age: a multicenter study.

Acta Diabetol. 2016 Oct 22. [Epub ahead of print] PubMed PMID: 27771764.

De Lorenzo A, Bernardini S, Gualtieri P, Cabibbo A, Perrone MA, Giambini I, Di Renzo L. Mediterranean meal versus Western meal effects on postprandial ox-LDL, oxidative and

compilare i seguenti campi:

inflammatory gene expression in healthy subjects: a randomized controlled trial for nutrigenomic approach in cardiometabolic risk.

Acta Diabetol. 2016 Oct 5. [Epub ahead of print] PubMed PMID: 27709360.

Ticconi C, Pietropolli A, Borelli B, Bruno V, Piccione E, Bernardini S, Di Simone N. Antinuclear autoantibodies and pregnancy outcome in women with unexplained recurrent miscarriage.

Am J Reprod Immunol. 2016 Nov;76(5):396-399. doi: 10.1111/aji.12560. PubMed PMID: 27616598.

Campione E, Botta A, Di Prete M, Rastelli E, Gibellini M, Petrucci A, Bernardini S, Novelli G, Bianchi L, Orlandi A, Massa R, Terracciano C. Cutaneous features of myotonic dystrophy types 1 and 2: Implication of premature aging and vitamin D homeostasis.

Neuromuscul Disord. 2016 Nov 16. pii: S0960-8966(16)30856-2. doi: 10.1016/j.nmd.2016.11.004. [Epub ahead of print] PubMed PMID: 28065683.

2017

Sancesario GM, Toniolo S, Chiasserini D, Di Santo SG, Zegeer J, Bernardi G; for SIBioC-Study Group of Clinical Biochemistry of Biological Fluids other than Blood., Musicco M; for SINDem-ITALPLANED., Caltagirone C, Parnetti L, Bernardini S. The Clinical Use of Cerebrospinal Fluid Biomarkers for Alzheimer's Disease Diagnosis: The Italian Selfie.

J Alzheimers Dis. 2017;55(4):1659-1666. doi: 10.3233/JAD-160975. PubMed PMID: 27911328.

Merra G, Gratteri S, De Lorenzo A, Barrucco S, Perrone MA, Avolio E, Bernardini S, Marchetti M, Di Renzo L. Effects of very-low-calorie diet on body composition, metabolic state, and genes expression: a randomized double-blind placebo-controlled trial.

Eur Rev Med Pharmacol Sci. 2017 Jan;21(2):329-345.

Martello S, Pieri M, Ialongo C, Pignalosa S, Noce G, Vernich F, Russo C, Mineo F, Bernardini S, Marsella LT. Levamisole in Illicit Trafficking Cocaine Seized: A One-Year Study.

J Psychoactive Drugs. 2017 Aug 16:1-5. doi: 10.1080/02791072.2017.1361558. [Epub ahead of print] PubMed PMID: 28813206.

Onorati M, Sancesario G, Pastore D, Bernardini S, Cruz M, Carrión JE, Carosi M, Vignoli L, Lauro D, Gentile G. Effects of parasitic infection and reproduction on corticosterone plasma levels in Galápagos land iguanas, *Conolophus marthae* and *C. subcristatus*.

Ecol Evol. 2017 Jul 5;7(15):6046-6055. doi: 10.1002/ece3.3077.eCollection 2017 Aug. PubMed PMID: 28808564; PubMed Central PMCID: PMC5551272.

Ialongo C, Mozzi AF, Bernardini S. An LC-MS Assay with Isocratic Separation and On-line Solid Phase Extraction to Improve the Routine Therapeutic Drug Monitoring of Busulfan in Plasma. J Med Biochem. 2017 Apr 22;36(2):113-121. doi: 10.1515/jomb-2016-0031. eCollection 2017 Apr. PubMed PMID: 28680354;

Pieri M, Storto M, Pignalosa S, Zenobi R, Buttari F, Bernardini S, Centonze D, Dessi M. KFLC Index utility in multiple sclerosis diagnosis: Further confirmation.

compilare i seguenti campi:

J Neuroimmunol. 2017 Aug 15;309:31-33. doi: 10.1016/j.jneuroim.2017.05.007. Epub 2017 May 12. PubMed PMID: 28601282.

Cento V, Nguyen THT, Di Carlo D, Biliotti E, Gianserra L, Lenci I, Di Paolo D, Calvaruso V, Teti E, Cerrone M, Romagnoli D, Melis M, Danieli E, Menzaghi B, Polilli E, Siciliano M, Nicolini LA, Di Biagio A, Magni CF, Bolis M, Antonucci FP, Di Maio VC, Alfieri R, Sarmati L, Casalino P, Bernardini S, Micheli V, Rizzardini G, Parruti G, Quirino T, Puoti M, Babudieri S, D'Arminio Monforte A, Andreoni M, Craxì A, Angelico M, Pasquazzi C, Taliani G, Guedj J, Perno CF, Ceccherini-Silberstein F. Improvement of ALT decay kinetics by all-oral HCV treatment: Role of NS5A inhibitors and differences with IFN-based regimens.

PLoS One. 2017 May 18;12(5):e0177352. doi: 10.1371/journal.pone.0177352. eCollection 2017. PubMed PMID: 28545127; PubMed Central PMCID: PMC5436665.

Colica C, Merra G, Gasbarrini A, De Lorenzo A, Cioccoloni G, Gualtieri P, Perrone MA, Bernardini S, Bernardo V, Di Renzo L, Marchetti M. Efficacy and safety of very-low-calorie ketogenic diet: a double blind randomized crossover study.

Eur Rev Med Pharmacol Sci. 2017 May;21(9):2274-2289. PubMed PMID: 28537652.

Liguori C, Chiaravalloti A, Nuccetelli M, Izzi F, Sancesario G, Cimini A, Bernardini S, Schillaci O, Mercuri NB, Fabio P. Hypothalamic dysfunction is related to sleep impairment and CSF biomarkers in Alzheimer's disease.

J Neurol. 2017 Sep 12. doi: 10.1007/s00415-017-8613-x. [Epub ahead of print] PubMed PMID: 28900724.

De Stefano A, Mannucci L, Massoud R, Bernardini S, Cortese C. Performance characteristics of lipoprotein-associated phospholipase A2 activity assay on the Dimension Vista analyser and preliminary study of a healthy Italian population.

Biochem Med (Zagreb). 2017 Oct 15;27(3):030701. doi: 10.11613/BM.2017.030701. Epub 2017 Aug 28. PubMed PMID: 28900364; PubMed Central PMCID: PMC5575650.

Liguori C, Romigi A, Izzi F, Placidi F, Nuccetelli M, Cordella A, Bernardini S, Biagio MN. Complement system dysregulation in patients affected by Idiopathic Generalized Epilepsy and the effect of antiepileptic treatment.

Epilepsy Res. 2017 Sep 21;137:107-111. PubMed PMID: 28985614.

Ialongo C, Bernardini S. Validation of the Six Sigma Z-score for the quality assessment of clinical laboratory timeliness.

Clin Chem Lab Med. 2017 Oct 17. doi: 10.1515/cclm-2017-0642. [Epub ahead of print] PubMed PMID: 29040063.

Liguori C, Chiaravalloti A, Izzi F, Nuccetelli M, Bernardini S, Schillaci O, Mercuri NB, Placidi F. Sleep apnoeas may represent a reversible risk factor for amyloid- β pathology.

Brain. 2017 Oct 25. doi: 10.1093/brain/awx281. [Epub ahead of print] PubMed PMID: 29077794.

Pascarella A, Terracciano C, Farina O, Lombardi L, Esposito T, Napolitano F, Franzese G, Panella G, Tuccillo F, la Marca G, Bernardini S, Boffo S, Giordano A, Melone MAB, Di Iorio G, Sampaolo S. Vacuolated PAS-positive lymphocytes as an hallmark of Pompe disease and other myopathies related to impaired autophagy.

compilare i seguenti campi:

J Cell Physiol. 2017 Dec 7. doi: 10.1002/jcp.26365.

Legramante JM, Mastropasqua M, Susi B, Porzio O, Mazza M, Miranda Agrippino G, D Agostini C, Brandi A, Giovagnoli G, Di Lecce VN, Bernardini S, Minieri M. Prognostic performance of MR-proadrenomedullin in patients with community acquired pneumonia in the Emergency Department compared to clinical severity scores PSI and CURB.

PLoS One. 2017 Nov 21;12(11):e0187702.

2018

Ialongo C, Bernardini S. Validation of the Six Sigma Z-score for the quality assessment of clinical laboratory timeliness.

Clin Chem Lab Med. 2018 Mar 28;56(4):595-601. doi: 10.1515/cclm-2017-0642

Sancesario GM, Nuccetelli M, Cerri A, Zegeer J, Severini C, Ciotti MT, Pieri M, Martorana A, Caltagirone C, Nistico R, Bernardini S. Bromelain degrades A β 1-42 monomers and soluble aggregates: an in vitro study in cerebrospinal fluid of Alzheimer's disease patients.

Curr Alzheimer Res. 2018;15(7):628-636. doi: 10.2174/1567205015666180123124851.

Pascarella A, Terracciano C, Farina O, Lombardi L, Esposito T, Napolitano F, Franzese G, Panella G, Tuccillo F, la Marca G, Bernardini S, Boffo S, Giordano A, Melone MAB, Di Iorio G, Sampaolo S. Vacuolated PAS-positive lymphocytes as an hallmark of Pompe disease and other myopathies related to impaired autophagy.

J Cell Physiol. 2018 Aug;233(8):5829-5837. doi: 10.1002/jcp.26365. Epub 2018 Feb 22.

Innaurato S, Brierley GV, Grasso V, Massimi A, Gaudino R, Sileno S, Bernardini S, Semple R, Barbetti F. Severe insulin resistance in disguise: A familial case of reactive hypoglycemia associated with a novel heterozygous INSR mutation.

Pediatr Diabetes. 2018 Jun;19(4):670-674. doi: 10.1111/pedi.12632. Epub 2018 Feb 7.

Terrinoni A, Didona B, Caporali S, Chillemi G, Lo Surdo A, Paradisi M, Annichiarico-Petruzzelli M, Candi E, Bernardini S, Melino G. Role of the keratin 1 and keratin 10 tails in the pathogenesis of ichthyosis hystrix of Curth Macklin.

PLoS One. 2018 Apr 24;13(4):e0195792. doi: 10.1371/journal.pone.0195792. eCollection 2018. PubMed PMID: 29689068; PubMed Central PMCID: PMC5918167.

Terracciano C, Farina O, Esposito T, Lombardi L, Napolitano F, De Blasiis P, Ciccone G, Todisco V, Tuccillo F, Bernardini S, Di Iorio G, Melone MAB, Sampaolo S. Successful long-term therapy with flecainide in a family with paramyotonia congenita.

J Neurol Neurosurg Psychiatry. 2018 Feb 27. pii: jnnp-2017-317615. doi: 10.1136/jnnp-2017-317615. [Epub ahead of print] PubMed PMID: 29487168.

Khasoggi H, Pignalosa S, Russo C, Pieri M, Bernardini S. New HPLC instrument performance evaluation in HbA1c determination and comparison with capillary electrophoresis. Scandinavian Journal of Clinical and Laboratory Investigation 2018 DOI: 10.1080/00365513.2018.1487072

Liguori C, Mercuri NB, Nuccetelli M, Izzi F, Bernardini S, Placidi F. Cerebrospinal Fluid Orexin Levels

compilare i seguenti campi:

and Nocturnal Sleep Disruption in Alzheimer's Disease Patients Showing Neuropsychiatric Symptoms. *J Alzheimers Dis.* 2018;66(3):993-999. doi: 10.3233/JAD-180769. PubMed PMID: 30372684.

Schirinzi T, Sancesario GM, Di Lazzaro G, Biticchi B, Colona VL, Mercuri NB, Bernardini S, Pisani A. CSF α -synuclein inversely correlates with non-motor symptoms in a cohort of PD patients. *Parkinsonism Relat Disord.* 2018 Oct 15. pii: S1353-8020(18)30452-8. doi: 10.1016/j.parkreldis.2018.10.018. [Epub ahead of print] PubMed PMID: 30348495.

Sancesario GM, Bernardini S. Diagnosis of neurodegenerative dementia: where do we stand, now? *Ann Transl Med.* 2018 Sep;6(17):340. doi: 10.21037/atm.2018.08.04. Review. PubMed PMID: 30306079; PubMed Central PMCID: PMC6174181.

Mazzeo M, Di Raimondo C, Gurnari C, Rapanotti MC, Giunta A, Franceschini L, Rizzo M, Minieri M, Provenzano I, Bernardini S, Cantonetti M, Bianchi L. Early detection of IgH monoclonal rearrangement in follicular spicules of the nose preceding multiple myeloma diagnosis. Case report and review of the literature. *G Ital Dermatol Venereol.* 2018 Sep 20. doi: 10.23736/S0392-0488.18.06016-9. [Epub ahead of print] PubMed PMID: 30249084

Pieri M, Zenobi R, Morello M, Storto M, Buttari F, Centonze D, Bernardini S, Dessi M. Multiple Sclerosis: kFLC index values related to gender. *Mult Scler Relat Disord.* 2018 Aug 30;26:58-60. doi: 10.1016/j.msard.2018.08.018. [Epub ahead of print] PubMed PMID: 30223231

Mion MM, Bragato G, Zaninotto M, Alessandrini J, Bernardini S, Plebani M. Analytical performance evaluation of the new GEM[®] Premier[™] 5000 analyzer in comparison to the GEM[®] Premier[™] 4000 and the RapidPoint[®] 405 systems. *Clin Chim Acta.* 2018 Nov;486:313-319. doi: 10.1016/j.cca.2018.08.019. Epub 2018 Aug. PubMed PMID: 30118673.

Perrone MA, Babu Dasari J, Intorcchia A, Morgagni R, Sergi D, Battaini F, De Lorenzo A, Bernardini S, Merra G, Romeo F. Efficacy and safety of dronedarone in patients with amiodarone-induced hyperthyroidism: a clinical study. *Eur Rev Med Pharmacol Sci.* 2018 Dec;22(23):8502-8508. doi: 10.26355/eurrev_201812_16551. PubMed PMID: 30556893.

Saeed K, Wilson DC, Bloos F, Schuetz P, van der Does Y, Melander O, Hausfater P, Legramante JM, Terrinoni A, Calabrese C, Basso D, Aita A, Caporali S, Plebani M, Bernardini S. The circulating miRNAs as diagnostic and prognostic markers. *Clin Chem Lab Med.* 2018 Dec 20. pii: /j/cclm.ahead-of-print/cclm-2018-0838/cclm-2018-0838.xml. doi: 10.1515/cclm-2018-0838. [Epub ahead of print] Review. PubMed PMID: 30838832.

2019

Tripodi A, Santoro RC, Testa S, Molinari AC, Bernardini S, Golato M, Lippi G, Ageno W, Santagostino E. Position paper on laboratory testing for patients with haemophilia. A consensus document from Siset, AICE, SIBioC and SIPMeL. *Blood Transfus.* 2019 Feb 4:1-7. doi: 10.2450/2019.0241-18. PubMed PMID: 30747702.

compilare i seguenti campi:

Alwardat M, Schirinzi T, Di Lazzaro G, Sancesario GM, Franco D, Imbriani P, Sinibaldi Salimei P, Bernardini S, Mercuri NB, Pisani A. Association between physical activity and dementia's risk factors in patients with Parkinson's disease.

J Neural Transm (Vienna). 2019 Feb 12. doi: 10.1007/s00702-019-01979-0. [Epub ahead of print] PubMed PMID: 30746564.

Claessens YE, Amin D, Rosenqvist M, White G, Mueller B, Limper M, Callejo CC, Brandi A, Macchi MA, Cortes N, Kutz A, Patka P, Yañez MC, Bernardini S, Beau N, Dryden M, van Gorp ECM, Minieri M, Chan L, Rood PPM, Del Castillo JG. The early identification of disease progression in patients with suspected infection presenting to the emergency department: a multi-centre derivation and validation study.

Crit Care. 2019 Feb 8;23(1):40. doi: 10.1186/s13054-019-2329-5. PubMed PMID: 30736862; PubMed Central PMCID: PMC6368690.

Clerico A, Ripoli A, Masotti S, Musetti V, Aloe R, Dipalo M, Rizzardi S, Dittadi R, Carrozza C, Storti S, Belloni L, Perrone M, Fasano T, Canovi S, Correale M, Prontera C, Guiotto C, Cosseddu D, Migliardi M, Bernardini S.

Evaluation of 99th percentile and reference change values of a high-sensitivity cTnI method: A multicenter study.

Clin Chim Acta. 2019 Jun;493:156-161 doi: 10.1016/j.cca.2019.02.029. [Epub ahead of print] PubMed PMID: 30826369.

Liguori C, Mercuri NB, Nuccetelli M, Izzi F, Cordella A, Bernardini S, Placidi F. Obstructive sleep apnea may induce orexinergic system and cerebral β -amyloid metabolism dysregulation: is it a further proof for Alzheimer's disease risk?

Sleep Med. 2019 Jan 11. pii: S1389-9457(18)30829-3. doi: 10.1016/j.sleep.2019.01.003. [Epub ahead of print] PubMed PMID: 30799255.

Clerico A, Masotti S, Musetti V, Ripoli A, Aloe R, Di Pietro M, Rizzardi S, Dittadi R, Carrozza C, Belloni L, Perrone M, Fasano T, Simone C, de Santis A, Prontera C, Guiotto C, Cosseddu D, Migliardi M, Bernardini S. Evaluation of 99th percentile and reference change values of the hs-cTnI method using ADVIA Centaur XTP platform: A multicenter study.

Clin Chim Acta. 2019 Apr 9. pii: S0009-8981(19)31797-8. doi: 10.1016/j.cca.2019.04.056. [Epub ahead of print] PubMed PMID: 30978328.

Ialongo C, Bernardini S. Total laboratory automation has the potential to be the field of application of artificial intelligence: the cyber-physical system and "Automation 4.0".

Clin Chem Lab Med. 2019 Apr 8. pii: /j/cclm.ahead-of-print/cclm-2019-0226/cclm-2019-0226.xml. doi: 10.1515/cclm-2019-0226. [Epub ahead of print] PubMed PMID: 30956229.

Clerico A, Ripoli A, Zaninotto M, Masotti S, Musetti V, Ciaccio M, Aloe R, Rizzardi S, Dittadi R, Carrozza C, Fasano T, Perrone M, de Santis A, Prontera C, Riggio D, Guiotto C, Migliardi M, Bernardini S, Plebani M. Head-to-head comparison of plasma cTnI concentration values measured with three high-sensitivity methods in a large Italian population of healthy volunteers and patients admitted to emergency department with acute coronary syndrome: A multi-center study.

Clin Chim Acta. 2019 Jun 12. pii: S0009-8981(19)31904-7. doi: 10.1016/j.cca.2019.06.012. [Epub ahead of print] PubMed PMID: 31201817.

compilare i seguenti campi:

Fenouil T, Fourier A, Quadrio I, Streichenberger N, Bernardini S, Zima T, Perret-Liaudet A, Meyronet D. The standardization of cerebrospinal fluid markers and neuropathological diagnoses brings to light the frequent complexity of concomitant pathology in Alzheimer's disease: The next challenge for biochemical markers?

Clin Biochem. 2019 Jun 10. pii: S0009-9120(19)30345-5. doi: 10.1016/j.clinbiochem.2019.06.004. [Epub ahead of print] Review. PubMed PMID: 31194969.

Palombo R, Caporali S, Falconi M, Iacovelli F, Morozzo Della Rocca B, Lo Surdo A, Campione E, Candi E, Melino G, Bernardini S, Terrinoni A. Luteolin-7-O- β -d-Glucoside Inhibits Cellular Energy Production Interacting with HEK2 in Keratinocytes.

Int J Mol Sci. 2019 May 31;20(11). pii: E2689. doi: 10.3390/ijms20112689. PubMed PMID: 31159225.

Greaves RF, Bernardini S, Ferrari M, Fortina P, Gouget B, Gruson D, Lang T, Loh TP, Morris HA, Park JY, Roessler M, Yin P, Kricka LJ. Key questions about the future of laboratory medicine in the next decade of the 21st century: A report from the IFCC-Emerging Technologies Division.

Clin Chim Acta. 2019 May 28;495:570-589. doi: 10.1016/j.cca.2019.05.021. [Epub ahead of print] PubMed PMID: 31145895.

Bernardini S, Zima T. Alzheimer's disease: Making the point.

Clin Biochem. 2019 May 21. pii: S0009-9120(19)30546-6. doi: 10.1016/j.clinbiochem.2019.05.007.

[Epub ahead of print] PubMed PMID: 31125534.

Perrone M, Donatucci B, Salvati A, Gualtieri P, De Lorenzo A, Romeo F, Bernardini S.

Inflammation, oxidative stress and gene expression: the postprandial approach in professional soccer players to reduce the risk of muscle injuries and early atherosclerosis

Medicina dello Sport 2019 June;72(2):234-43 DOI: 10.23736/S0025-7826.19.03531-2

Perrone MA, Pieri M, Marchei M, Sergi D, Bernardini S, Romeo F. Serum free light chains in patients with ST elevation myocardial infarction (STEMI): A possible correlation with left ventricle dysfunction. Int J Cardiol. 2019 Jun 12. pii: S0167-5273(19)30221-9. doi:10.1016/j.ijcard.2019.06.016. [Epub ahead of print] PubMed PMID: 31253526.

Di Renzo L, Cioccoloni G, Bernardini S, Abenavoli L, Aiello V, Marchetti M, Cammarano A, Alipourfard I, Ceravolo I, Gratteri S. A Hazelnut-Enriched Diet Modulates Oxidative Stress and Inflammation Gene Expression without Weight Gain. Oxid Med Cell Longev. 2019 Jul 4;2019:4683723. doi: 10.1155/2019/4683723. eCollection 2019. PubMed PMID: 31354906; PubMed Central PMCID: PMC6637671.

Krashia P, Cordella A, Nobili A, La Barbera L, Federici M, Leuti A, Campanelli F, Natale G, Marino G, Calabrese V, Vedele F, Ghiglieri V, Picconi B, Di Lazzaro G, Schirinzi T, Sancesario G, Casadei N, Riess O, Bernardini S, Pisani A, Calabresi P, Viscomi MT, Serhan CN, Chiurchiù V, D'Amelio M, Mercuri NB. Blunting neuroinflammation with resolvin D1 prevents early pathology in a rat model of Parkinson's disease. Nat Commun. 2019 Sep 2;10(1):3945. doi: 10.1038/s41467-019-11928-w. PubMed PMID: 31477726; PubMed Central PMCID: PMC6718379.

compilare i seguenti campi:

Castaman G, Santoro C, Coppola A, Mancuso ME, Santoro RC, Bernardini S, Pugliese FR, Lubrano R, Golato M, Tripodi A, Rocino A, Santagostino E, ad hoc Working Group 2019.

Emergency management in patients with hemophilia A and inhibitors on prophylaxis with emicizumab: AICE practical guidance in collaboration with SIBioC, SIMEU, SIMEUP, SIPMeL and Siset.

Blood Transfusion, 2019; 18: 1-8.

Lattanzi R, Maffei D, Petrella C, Pieri M, Sancesario G, Schirinzi T, Bernardini S, Barbato C, Ralli M, Greco A, Possenti R, Sancesario G, Severini C.

Involvement of the Chemokine Prokineticin-2 (PROK2) in Alzheimer's Disease: From Animal Models to the Human Pathology

Cells. 2019 Nov 13;8(11). pii: E1430. doi: 10.3390/cells8111430.

Bruno V, Nuccetelli M, Ticconi C, Bruno A, Martelli F, Capogna MV, Bernardini S, Piccione E, Pietropolli A.

Amniotic fluid antiphospholipid antibodies: potential role in antiphospholipid syndrome-independent aberrant implantation process.

Reprod Biol Endocrinol. 2019 Oct 15;17(1):79. doi: 10.1186/s12958-019-0527-2.

Terrinoni A, Palombo R, Pitolli C, Caporali S, De Berardinis R, Ciccarone S, Lanzillotta A, Mauramati S, Porta G, Minieri M, Melino G, Bernardini S, Bruno E.

Role of the TAP63 Isoform in Recurrent Nasal Polyps. Folia Biol (Praha).

2019;65(4):170-180.

2020

Perrone MA, Passino C, Vassalle C, Masotti S, Romeo F, Guccione P, Bernardini S, Clerico A.

Early evaluation of myocardial injury by means of high-sensitivity methods for cardiac troponins after strenuous and prolonged exercise.

J Sports Med Phys Fitness. 2020 Jul 23. doi: 10.23736/S0022-4707.20.11016-8. Online ahead of print. PMID: 32720778

Cerroni R, Liguori C, Stefani A, Conti M, Garasto E, Pierantozzi M, Mercuri NB, Bernardini S, Fucci G, Massoud R.

Increased Noradrenaline as an Additional Cerebrospinal Fluid Biomarker in PSP-Like Parkinsonism.

Front Aging Neurosci. 2020 Jun 16;12:126. doi: 10.3389/fnagi.2020.00126. eCollection 2020. PMID: 32612521

Clerico A, Zaninotto M, Passino C, Aspromonte N, Piepoli MF, Migliardi M, Perrone M, Fortunato A, Padoan A, Testa A, Dellarole F, Trenti T, Bernardini S, Sciacovelli L, Colivicchi F, Gabrielli D, Plebani Evidence on clinical relevance of cardiovascular risk evaluation in the general population using cardio-specific biomarkers.

M.Clin Chem Lab Med. 2020 Jul 21:/j/cclm.ahead-of-print/cclm-2020-0310/cclm-2020-0310.xml. doi: 10.1515/cclm-2020-0310. Online ahead of print. PMID: 32692693 Review.

compilare i seguenti campi:

Perrone MA, Macrini M, Maregnani A, Ammirabile M, Clerico A, Bernardini S, Romeo F. The effects of a 50 km ultramarathon race on high sensitivity cardiac troponin I and NT-proBNP in highly trained athletes.

Minerva Cardioangiol. 2020 Jul 10. doi: 10.23736/S0026-4725.20.05281-0. Online ahead of print. PMID: 32657560

Romigi A, Bari M, Liguori C, Izzi F, Rapino C, Nuccetelli M, Battista N, Bernardini S, Centonze D, Mercuri N, Placidi F, Maccarrone M. (2020).

CSF levels of the endocannabinoid anandamide are reduced in patients with untreated narcolepsy type 1: a pilot study.

CNS & NEUROLOGICAL DISORDERS. DRUG TARGETS, ISSN: 1871-5273, doi: 10.2174/1871527319666200309115602

Schirinzi T, Di Lazzaro G, Sancesario GM, Summa S, Petrucci S, Colona VL, Bernardini S, Pierantozzi M, Stefani A, Mercuri NB, Pisani A.

Young-onset and late-onset Parkinson's disease exhibit a different profile of fluid biomarkers and clinical features.

NEUROBIOLOGY OF AGING, 2020 ISSN: 0197-4580, doi: : 10.1016/j.neurobiolaging.2020.02.012

Liguori C, Spanetta M, Izzi F, Franchini F, Nuccetelli M, Sancesario GM, Di

Santo S, Bernardini S, Mercuri NB, Placidi F. Sleep-Wake Cycle in Alzheimer's

Disease Is Associated with Tau Pathology and Orexin Dysregulation. J Alzheimers

Dis. 2020;74(2):501-508.

Calugi G, De Cagna MR, Zocca E, Quarantelli MT, Iodice C, Frassanito ML,

Valentini A, Pieri M, Bernardini S. Evaluation and analytical performance of the

new Roche T411 and T511 coagulation analysers. Thromb Res. 2020 Mar;187:166-169.

Diluvio L, Caporali S, Lozzi F, Campione E, Mazzilli S, Lanna C, Bianchi L, Bernardini S, Minieri M, Mauriello A, Ferlosio A, Candi E, Terrinoni A.

Birt-Hogg-Dubé syndrome, from non-invasive dermatologic assessment to gene testing, molecular and ultrastructural histologic analysis.

J Eur Acad Dermatol Venereol. 2020 Apr;34(4):e206-e209.

Rapanotti, MC, Campione E, 3 Tara Mayte Suarez Viguria, Giulia Spallone G, Costanza G, Rossi P, Orlandi P, Valenti P, Bernardini S, and Bianchi L.

Molecular Expression analysis of circulating melanoma cells at diagnosis: selection of stem - mesenchymal phenotypes associated with potentially suitable incipient spreading in clinical practice.

Frontiers of Molecular Biosciences 2020, in press

Valentini A, Perrone MA, Cianfarani MA, Tarantino U, Massoud R, Merra G, Bernardini S, Morris HA, Bertoli A.

Obesity, vitamin D status and physical activity: 1,25(OH)₂D as a potential marker of vitamin D deficiency in obese subjects. *Panminerva Med.* 2020;62(2):83-92. doi:10.23736/S0031-

0808.20.03770-2

compilare i seguenti campi:

Gruson D, Bernardini S, Kumar Dabla P, Gouget B, Stankovic S.
Collaborative AI and Laboratory Medicine integration in precision cardiovascular medicine
[published online ahead of print, 2020 Jun 4].
Clinica Chimica Acta 2020;S0009-8981(20)30265-5. doi:10.1016/j.cca.2020.06.001

Spoto S, Legramante JM, Minieri M, Fogolari M, Terrinoni A, Valeriani E, Sebastiano C, Bernardini S, Ciccozzi M, Angeletti PS.
How biomarkers can improve pneumonia diagnosis and prognosis: procalcitonin and mid-regional-pro-adrenomedullin [published online ahead of print, 2020 May 28].
Biomark Med. 2020;10.2217/bmm-2019-0414. doi:10.2217/bmm-2019-0414

Clerico A, Cardinale DM, Zaninotto M, Aspromonte N, Sandri MT, Passino C, Migliardi M, Perrone M, Fortunato A, Padoan A, Trenti T, Bernardini S, Sciacovelli L, Colivicchi F, Gabrielli D, Plebani M.
High-sensitivity cardiac troponin I and T methods for the early detection of myocardial injury in patients on chemotherapy [published online ahead of print, 2020 May 22].
Clin Chem Lab Med. 2020;/j/cclm.ahead-of-print/cclm-2020-0362/cclm-2020-0362.xml. doi:10.1515/cclm-2020-0362

Sancesario GM, Di Lazzaro G, Alwardat M, Biticchi B, Basile V, Salimei C, Luigi Colona V, Sinibaldi Salimei P, Bernardini S, Mercuri NB, Pisani A, Schirinzi T.
Amyloid- β 42/Neurogranin Ratio as a Potential Index for Cognitive Impairment in Parkinson's Disease.
J Alzheimers Dis. 2020 Jun 22. doi: 10.3233/JAD-200344. Epub ahead of print. PMID: 32597810.

Ciotti M, Angeletti S, Minieri M, Giovannetti M, Benvenuto D, Pascarella S, Sagnelli C, Bianchi M, Bernardini S, Ciccozzi M.
COVID-19 Outbreak: An Overview [published online ahead of print, 2020 Apr 7].
Chemotherapy. 2020;1-9. doi:10.1159/000507423

Kricka LJ, Polevikov S, Park J, Fortina P, Bernardini S, Satchkov D, Koleso V, Grishkov M
AI-powered search tools and resources in the fight against **COVID-19**
EJIFCC. 2020 Jun 2;31(2):106-116. eCollection 2020 Jun. PMID: 32549878

Nucetelli M, Pieri M, Grelli G, Ciotti M, Miano R, Andreoni M, Bernardini S.
SARS-CoV-2 Infection Serology: A Useful Tool To Overcome Lockdown?
Cell Death and Discovery *Cell Death Discov.* 2020;6:38. Published 2020 May 26.
doi:10.1038/s41420-020-0275-2

Ciotti M, Ciccozzi M, Terrinoni A, Wen-Can Jiang, Cheng-Bin Whang and Bernardini S.
The **Covid-19** pandemic
Crit Rev Clin Lab Sci. 2020 Sep;57(6):365-388. doi: 10.1080/10408363.2020.1783198. Epub 2020 Jul 9. PMID: 32645276

Poggiali E, Zaino D, Immovilli P, Rovero L, Losi G, Dacrema A, Nucetelli M, Vadacca GB, Guidetti D, Vercelli A, Magnacavallo A, Bernardini S, Terracciano C.

compilare i seguenti campi:

Lactate dehydrogenase and C-reactive protein as predictors of respiratory failure in **COVID-19** patients.

Clin Chim Acta. 2020 Oct;509:135-138. doi: 10.1016/j.cca.2020.06.012. Epub 2020 Jun 9. PMID: 32531257

Andrea Latini, Emanuele Agolini, Antonio Novelli, Paola Borgiani, Rosalinda Giannini, Paolo Gravina, Andrea Smarrazzo, Mario Dauri, Massimo Andreoni, Paola Rogliani, Bernardini S, Manuela Helmer-Citterich, Michela Biancolella, Giuseppe Novelli .

COVID-19 and Genetic Variants of Protein Involved in the SARS-CoV-2 Entry into the Host Cells. GENES, ISSN: 2073-4425, doi: 10.3390/genes11091010

Antonio Novelli, Marco Andreani, Michela Biancolella, Laura Liberatoscioli, Chiara Passarelli, Vito Luigi Colona, Paola Rogliani, Francesca Leonardis, Andrea Campana, Rita Carsetti, Massimo Andreoni, Bernardini S, Giuseppe Novelli, Franco Locatelli.

HLA alleles frequencies and susceptibility to **COVID-19** in a group of 99 Italian patients. HLA, ISSN: 2059-2302, doi: doi.org/10.1111/tan.14047

M. Nuccetelli, M. Pieri, F. Gisone and S. Bernardini

Combined anti-**SARS-CoV-2** IgA, IgG and IgM detection as a better strategy to prevent second infection spreading wave.

Immunological Investigations 2020 in press.

Formica V, Minieri M, Bernardini S, Ciotti M, D'Agostini C, Roselli M, Andreoni M, Morelli C, Parisi G, Federici M, Paganelli C, Legramante

Complete blood count might help to identify subjects with high probability of testing positive to **SARS-CoV-2**.

JM.Clin Med (Lond). 2020 Jul;20(4):e114-e119. doi: 10.7861/clinmed.2020-0373. Epub 2020 Jul 2. PMID: 32620590

Massimo Pieri, Marco Ciotti, Nicoletta Carlozzi, Maria Loredana Frassanito, Arianna Meloni, Alessandro Cistera, Giordano Turchetti, Silvia Niscola, Giuseppe Labate, Graziella Calugi, Sergio Bernardini

SARS-CoV-2 infection serology validation of different methods: usefulness of IgA in the early phase of infection

CCA 2020; Sep 28;S0009-8981(20)30465-4. doi: 10.1016/j.cca.2020.09.033. Online ahead of print.

Marco A Perrone 1, Martina Zaninotto, Silvia Masotti, Veronica Musetti, Andrea Padoan, Concetta Prontera, Mario Plebani, Claudio Passino, Francesco Romeo, Bernardini S, Aldo Clerico (2020). The combined measurement of high-sensitivity cardiac troponins and natriuretic peptides: a useful tool for clinicians?. JOURNAL OF CARDIOVASCULAR MEDICINE, ISSN: 1558-2035, doi: 10.2459/JCM.0000000000001022

Rapanotti MC, Viguria TMS, Spallone G, Terrinoni A, Rossi P, Costanza G, Campione E, Lombardo P, Pathirannehalage CD, Orlandi A, Bernardini S, Bianchi L.

Minimal Residual Disease in Melanoma: molecular characterization of in transit cutaneous metastases and Circulating Melanoma Cells recognizes an expression panel potentially related to disease progression.

compilare i seguenti campi:

Cancer Treat Res Commun. 2020 Dec 2;25:100262. doi: 10.1016/j.ctarc.2020.100262.

Nuccetelli M, Pieri M, Gisone F, Sarubbi S, Ciotti M, Andreoni M, Bernardini S. Evaluation of a new simultaneous anti-SARS-CoV-2 IgA, IgM and IgG screening automated assay based on native inactivated virus. *Int Immunopharmacol.* 2020 Dec 26;92:107330. doi: 10.1016/j.intimp.2020.107330. Epub ahead of print. PMID: 33412393.

2021

Schirinzi T, Maffei D, Pieri M, Bernardini S, Mercuri NB, Lattanzi R, Severini C. Increase of Prokineticin-2 in Serum of Patients with Parkinson's Disease. *Mov Disord.* 2021 Jan 6. doi: 10.1002/mds.28458. Epub ahead of print. PMID: 33404134.

Perrone MA, Storti S, Salvadori S, Pecori A, Bernardini S, Romeo F, Guccione P, Clerico A. Cardiac troponins: are there any differences between T and I? *J Cardiovasc Med (Hagerstown).* 2021 Jan 4; Publish Ahead of Print. doi: 10.2459/JCM.0000000000001155. Epub ahead of print. PMID: 33399346.

Alessandro De Stefano, Sabrina Caporali, Nicola Di Daniele, Valentina Rovella, Carmine Cardillo, Francesca Schinzari, Marilena Minieri, Massimo Pieri, Eleonora Candi, Bernardini S, Manfredi Tesauo, Alessandro Terrinoni (2021). Anti-Inflammatory and Proliferative Properties of Luteolin-7-O-Glucoside. *INTERNATIONAL JOURNAL OF MOLECULAR SCIENCES*, ISSN: 1661-6596, doi: 10.3390/ijms22031321

Antonio Cristiano, Valentina Fortunati, Fabio Cherubini, Bernardini S, Marzia Nuccetelli (2021). Anti-phospholipids antibodies and immune complexes in COVID-19 patients: a putative role in disease course for anti-annexin-V antibodies. *CLINICAL RHEUMATOLOGY*, ISSN: 0770-3198, doi: 10.1007/s10067-021-05580-3

Massimo Pieri, Marzia Nuccetelli, Eleonora Nicolai, Serena Sarubbi, Sandro Grelli, Bernardini S (2021). Clinical validation of a second generation anti-SARS-CoV-2 IgG and IgM automated chemiluminescent immunoassay. *JOURNAL OF MEDICAL VIROLOGY*, ISSN: 0146-6615, doi: 10.1002/jmv.26809

Marco Ciotti, Massimo Maurici, Massimo Pieri, Massimo Andreoni, Bernardini S (2021). Performance of a rapid antigen test in the diagnosis of SARS-CoV-2 infection. *JOURNAL OF MEDICAL VIROLOGY*, ISSN: 0146-6615, doi: 10.1002/jmv.26830

Marco Alfonso Perrone, Federica Spolaore, Massimiliano Ammirabile, Francesco Romeo, Patrizio Caciagli, Ferruccio Ceriotti, Bernardini S (2021). The assessment of high sensitivity cardiac troponin in patients with COVID-19: a multicenter study. *INTERNATIONAL JOURNAL OF CARDIOLOGY. HEART & VASCULATURE*, ISSN: 2352-9067, doi: 10.1016/j.ijcha.2021.100715

Claudia Matteucci, Antonella Minutolo, Emanuela Balestrieri, Vita Petrone, Marialaura Fanelli, Vincenzo Malagnini, Marco Ianetta, Alessandro Giovinazz, Foilippo Barreca, Silvia Di Cesare, Patrizia De Marco, Martino Tony Miele, Nicola Toschi, Antonio Mastino, Paola Sinibaldi Vallebona, Bernardini S, Paola Rogliani, Loredana Sarmati, Massimo Andreoni, Sandro Grelli, Enrico Garaci (2021). Thymosin Alpha 1 Mitigates Cytokine Storm in Blood Cells From

compilare i seguenti campi:

Coronavirus Disease 2019 Patients. OPEN FORUM INFECTIOUS DISEASES, ISSN: 2328-8957, doi: 10.1093/ofid/ofaa588.

Massimo Pieri, Stefano Pignalosa, Marco Alfonso Perrone, Carmelo Russo, Gianluca Noce, Andrea Perrone, Alessandro Terrinoni, Renato Massoud, Bernardini S (2021). Evaluation of the Diesse Cube 30 touch erythrocyte sedimentation method in comparison with Alifax test 1 and the manual Westergren gold standard method. SCANDINAVIAN JOURNAL OF CLINICAL & LABORATORY INVESTIGATION, ISSN: 0036-5513, doi: 10.1080/00365513.2021.188199

Nucetelli M., Pieri M., Gisone F, Sarubbi S, Ciotti M, Andreoni M, Bernardini S (2021). Evaluation of a new simultaneous anti-SARS-CoV-2 IgA, IgM and IgG screening automated assay based on native inactivated virus. INTERNATIONAL IMMUNOPHARMACOLOGY, ISSN: 1567-5769, doi: 10.1016/j.intimp.2020.107330

Aldo Clerico, Martina Zaninotto, Claudio Passino, Nadia Aspromonte, Massimo Francesco Piepoli, Marco Migliardi, Marco Perrone, Antonio Fortunato, Andrea Padoan, Angelo Testa, Franco Dellarole, Tommaso Trenti, Bernardini S, Laura Sciacovelli, Furio Colivicchi, Domenico Gabrielli, Mario Plebani (2021). Evidence on clinical relevance of cardiovascular risk evaluation in the general population using cardio-specific biomarkers. CLINICAL CHEMISTRY AND LABORATORY MEDICINE, vol. 59, p. 79-90, ISSN: 1434-6621, doi: 10.1515/cclm-2020-0310

Marco Infante, Andrea Buoso, Massimo Pieri, Santina Lupisella, Marzia Nucetelli, Bernardini S, Andrea Fabbri, Marco Iannetta, Massimo Andreoni, Vittorio Colizzi, Maria Morello (2021). Low Vitamin D Status at Admission as a Risk Factor for Poor Survival in Hospitalized Patients With COVID-19: An Italian Retrospective Study. JOURNAL OF THE AMERICAN COLLEGE OF NUTRITION, ISSN: 0731-5724, doi: 10.1080/07315724.2021.1877580

Julien Favresse, Jean-Louis Bayart, Damien Gruson, Bernardini S, Aldo Clerico, Marco Perrone (2021). The underestimated issue of non-reproducible cardiac troponin I and T results: case series and systematic review of the literature. CLINICAL CHEMISTRY AND LABORATORY MEDICINE, ISSN: 1434-6621, doi: 10.1515/cclm-2020-1564

Ciotti M, Benedetti F, Zella D, Angeletti S, Ciccozzi M, Bernardini S. SARS-CoV-2 Infection and the COVID-19 Pandemic Emergency: The Importance of Diagnostic Methods. Chemotherapy. 2021 Mar 19;1-7. doi: 10.1159/000515343. Epub ahead of print. PMID: 33744904.

Pieri M, Ciotti M, Nucetelli M, Perrone MA, Caliò MT, Lia MS, Minieri M, Bernardini S. Serum Amyloid A Protein as a useful biomarker to predict COVID-19 patients severity and prognosis. Int Immunopharmacol. 2021 Mar 2;95:107512. doi: 10.1016/j.intimp.2021.107512. Epub ahead of print. PMID: 33735714; PMCID: PMC7923863.

Ciotti M, Nicolai E, Marcuccilli F, Bernardini S. Use of a rapid point-of-care molecular test in the triage of suspected COVID-19 cases. J Med Virol. 2021 Mar 17. doi: 10.1002/jmv.26944. Epub ahead of print. PMID: 33729585.

Zenuni H, Grillo P, Sancesario GM, Bernardini S, Mercuri NB, Schirinzi T. How Comorbidity Reflects on Cerebrospinal Fluid Biomarkers of Neurodegeneration in Aging. J Alzheimers Dis Rep. 2021 Jan 29;5(1):87-92. doi: 10.3233/ADR-200280. PMID: 33681720; PMCID: PMC7902985.

compilare i seguenti campi:

Scimeca M, Mauriello S, Servadei F, Caggiano B, Ciotti M, Anemona L, Montanaro M, Giacobbi E, Treglia M, Bernardini S, Marsella LT, Schillaci O, Mauriello A. Persistence of SARS-CoV-2 viral RNA in nasopharyngeal swabs after death. *J Infect.* 2021 Feb 17:S0163-4453(21)00083-9. doi: 10.1016/j.jinf.2021.02.016. Epub ahead of print. PMID: 33609587; PMCID: PMC7889030.

Cherubini F, Cristiano A, Valentini A, Bernardini S, Nuccetelli M. Circulating calprotectin as a supporting inflammatory marker in discriminating SARS-CoV-2 infection: an observational study. *Inflamm Res.* 2021 Jun;70(6):687-694. doi: 10.1007/s00011-021-01465-y. Epub 2021 May 6. PMID: 33956194; PMCID: PMC8101083.

Minieri M, Daniele Leoni B, Bellincampi L, Bajo D, Agnoli A, Maria De Angelis A, Pieri M, Equitani F, Rossi V, Valente F, Pignatola S, Terrinoni A, Bernardini S. Serum iPTH range in a reference population: from an integrated approach to vitamin D prevalence impact evaluation. *Clin Chim Acta.* 2021 Jun 7:S0009-8981(21)00195-9. doi: 10.1016/j.cca.2021.06.004. Epub ahead of print. PMID: 34111419.

Ketchanji Mougang Y, Di Zazzo L, Minieri M, Capuano R, Catini A, Legramente JM, Paolesse R, Bernardini S, Di Natale C. Sensor Array and Gas Chromatographic Detection of the Blood Serum Volatolomic Signature of COVID-19. *iScience.* 2021 Jul 10;24(8):102851. doi: 10.1016/j.isci.2021.102851. Epub ahead of print. PMID: 34308276; PMCID: PMC8272622.

Campione E, Lanna C, Cosio T, Rosa L, Conte MP, Iacovelli F, Romeo A, Falconi M, Del Vecchio C, Franchin E, Lia MS, Minieri M, Chiaramonte C, Ciotti M, Nuccetelli M, Terrinoni A, Iannuzzi I, Coppeda L, Magrini A, Bernardini S, Sabatini S, Rosapepe F, Bartoletti PL, Moricca N, Di Lorenzo A, Andreoni M, Sarmati L, Miani A, Piscitelli P, Valenti P, Bianchi L. Lactoferrin Against SARS-CoV-2: *In Vitro* and *In Silico* Evidences. *Front Pharmacol.* 2021 Jun 17;12:666600. doi: 10.3389/fphar.2021.666600. PMID: 34220505; PMCID: PMC8242182.

Mastandrea P, Mengozzi S, Bernardini S. Systematic review and cumulative meta-analysis of the diagnostic accuracy of glial fibrillary acidic protein vs. S100 calcium binding protein B as blood biomarkers in observational studies of patients with mild or moderate acute traumatic brain injury. *Diagnosis (Berl).* 2021 Jul 1. doi: 10.1515/dx-2021-0006. Epub ahead of print. PMID: 34214384.

Caporali S, Didona B, Paradisi M, Mauriello A, Campione E, Falconi M, Iacovelli F, Minieri M, Pieri M, Bernardini S, Terrinoni A. Post Zygotic, Somatic, Deletion in KERATIN 1 V1 Domain Generates Structural Alteration of the K1/K10 Dimer, Producing a Monolateral Palmar Epidermolytic Nevus. *Int J Mol Sci.* 2021 Jun 27;22(13):6901. doi: 10.3390/ijms22136901. PMID: 34199056; PMCID: PMC8269197.

Sancesario GM, Di Lazzaro G, Grillo P, Biticchi B, Giannella E, Alwardat M, Pieri M, Bernardini S, Mercuri NB, Pisani A, Schirinzi T. Biofluids profile of α -Klotho in patients with Parkinson's disease. *Parkinsonism Relat Disord.* 2021 Aug 10;90:62-64. doi: 10.1016/j.parkreldis.2021.08.004. Epub ahead of print. PMID: 34392132.

Martino FG, Vitillo M, Pieri M, Marrone G, Gangeri F, Ansali F, Dessì M, Bernardini S, Di Daniele N, Noce A. Biomarkers of Glyco-Metabolic Control in Hemodialysis Patients: Glycated

compilare i seguenti campi:

Hemoglobin vs. Glycated Albumin. *Medicina (Kaunas)*. 2021 Jul 14;57(7):712. doi: 10.3390/medicina57070712. PMID: 34356993; PMCID: PMC8307856.

Della-Morte D, Pacifici F, Ricordi C, Massoud R, Rovella V, Proietti S, Iozzo M, Lauro D, Bernardini S, Bonassi S, Di Daniele N. Low level of plasminogen increases risk for mortality in COVID-19 patients. *Cell Death Dis*. 2021 Aug 5;12(8):773. doi: 10.1038/s41419-021-04070-3. PMID: 34354045; PMCID: PMC8340078.

Tomassetti F, Nuccetelli M, Sarubbi S, Gisone F, Ciotti M, Spinazzola F, Ricotta C, Cagnoli M, Borgatti M, Iannetta M, Andreoni M, Calugi G, Pieri M, Bernardini S. Evaluation of S-RBD and high specificity ACE-2-binding antibodies on SARS-CoV-2 patients after six months from infection. *Int Immunopharmacol*. 2021 Jul 27;99:108013. doi: 10.1016/j.intimp.2021.108013. Epub ahead of print. PMID: 34339963; PMCID: PMC8313542.

Dabla PK, Gruson D, Gouget B, Bernardini S, Homsak E. Lessons Learned from the COVID-19 Pandemic: Emphasizing the Emerging Role and Perspectives from Artificial Intelligence, Mobile Health, and Digital Laboratory Medicine. *EJIFCC*. 2021 Jun 29;32(2):224-243. PMID: 34421492; PMCID: PMC8343043.

Bernardini S, Pieri M, Ciotti M. How Could POCT be a Useful Tool for Migrant and Refugee Health? *EJIFCC*. 2021 Jun 29;32(2):200-208. PMID: 34421489; PMCID: PMC8343038.

Bernardini S. Foreword: Introducing the eJIFCC Special Issue on "POCT - Making the Point". *EJIFCC*. 2021 Jun 29;32(2):116-117. PMID: 34421478; PMCID: PMC8343047.

Caporali S, Calabrese C, Minieri M, Pieri M, Tarantino U, Marini M, D'Ottavio S, Angeletti S, Mauriello A, Cortese C, Bernardini S, Terrinoni A. The miR-133a, TPM4 and TAp63 γ Role in Myocyte Differentiation Microfilament Remodelling and Colon Cancer Progression. *Int J Mol Sci*. 2021 Sep 10;22(18):9818. doi: 10.3390/ijms22189818. PMID: 34575979.

Aiello F, Ciotti M, Gallo Afflitto G, Rapanotti MC, Caggiano B, Treglia M, Grelli S, Bernardini S, Mauriello S, Nucci C, Marsella LT, Mancino R. Post-Mortem RT-PCR Assay for SARS-CoV-2 RNA in COVID-19 Patients' Corneal Epithelium, Conjunctival and Nasopharyngeal Swabs. *J Clin Med*. 2021 Sep 20;10(18):4256. doi: 10.3390/jcm10184256. PMID: 34575369.

Infantino M, Pieri M, Nuccetelli M, Grossi V, Lari B, Tomassetti F, Calugi G, Pancani S, Benucci M, Casprini P, Manfredi M, Bernardini S. The WHO International Standard for COVID-19 serological tests: towards harmonization of anti-spike assays. *Int Immunopharmacol*. 2021 Aug 30;100:108095. doi: 10.1016/j.intimp.2021.108095. Epub ahead of print. PMID: 34619529; PMCID: PMC8403673.

Orlacchio A, Gasparrini F, Roma S, Ravà MS, Salvatori E, Morosetti D, Cossu E, Legramante JM, Paganelli C, Bernardini S, Minieri M. Correlations between chest-CT and laboratory parameters in SARS-CoV-2 pneumonia: A single-center study from Italy. *Medicine (Baltimore)*. 2021 Apr 9;100(14):e25310. doi: 10.1097/MD.00000000000025310. PMID: 33832103; PMCID: PMC8036082.

compilare i seguenti campi:

Balestrieri E, Minutolo A, Petrone V, Fanelli M, Iannetta M, Malagnino V, Zordan M, Vitale P, Charvet B, Horvat B, Bernardini S, Garaci E, di Francesco P, Sinibaldi Vallebona P, Sarmati L, Grelli S, Andreoni M, Perron H, Matteucci C. Evidence of the pathogenic HERV-W envelope expression in T lymphocytes in association with the respiratory outcome of COVID-19 patients. *EBioMedicine*. 2021 Apr;66:103341. doi: 10.1016/j.ebiom.2021.103341. Epub 2021 Apr 15. PMID: 33867312; PMCID: PMC8082064.

L Scucchi, B Neri, L Sarmati, M Mossa, G Sena, R Massoud, C Petruzzello, M Musumeci, I Marafini, E Calabrese, E Lolli, S Bernardini, M Andreoni, G Monteleone, L Biancone. Low prevalence of SARS-CoV-2 infection in inflammatory bowel disease. *Eur Rev Med Pharmacol Sci* 2021 Mar;25(5):2418-2424. doi: 10.26355/eurev_202103_25283.

Servadei F, Mauriello S, Scimeca M, Caggiano B, Ciotti M, Anemona L, Montanaro M, Giacobbi E, Treglia M, Bernardini S, Marsella LT, Urbano N, Schillaci O, Mauriello A. Persistence of SARS-CoV-2 Viral RNA in Nasopharyngeal Swabs after Death: An Observational Study. *Microorganisms*. 2021 Apr 10;9(4):800. doi: 10.3390/microorganisms9040800. PMID: 33920259; PMCID: PMC8103507.

Ciotti M, Ciccozzi M, Pieri M, Bernardini S. The COVID-19 pandemic: viral variants and vaccine efficacy. *Crit Rev Clin Lab Sci*. 2021 Oct 1:1-10. doi: 10.1080/10408363.2021.1979462. Epub ahead of print. PMID: 34598660.

Cristiano A, Nuccetelli M, Pieri M, Sarubbi S, Pelagalli M, Calugi G, Tomassetti F, Bernardini S. Serological anti-SARS-CoV-2 neutralizing antibodies association to live virus neutralizing test titers in COVID-19 paucisymptomatic/symptomatic patients and vaccinated subjects. *Int Immunopharmacol*. 2021 Oct 4;101(Pt B):108215. doi: 10.1016/j.intimp.2021.108215. Epub ahead of print. PMID: 34649115.

Campione E, Lanna C, Cosio T, Rosa L, Conte MP, Iacovelli F, Romeo A, Falconi M, Del Vecchio C, Franchin E, Lia MS, Minieri M, Chiaramonte C, Ciotti M, Nuccetelli M, Terrinoni A, Iannuzzi I, Coppeta L, Magrini A, Bernardini S, Sabatini S, Rosapepe F, Bartoletti PL, Moricca N, Di Lorenzo A, Andreoni M, Sarmati L, Miani A, Piscitelli P, Squillaci E, Valenti P, Bianchi L. Lactoferrin as Antiviral Treatment in COVID-19 Management: Preliminary Evidence. *Int J Environ Res Public Health*. 2021 Oct 19;18(20):10985. doi: 10.3390/ijerph182010985. PMID: 34682731; PMCID: PMC8535893.

Diagnosis and Antibiotic Prescription in 3 h as an Answer to Antibiotic Resistance: The Case of Urinary Tract Infections. *Antibiotics (Basel)*. 2021 Sep 26;10(10):1168. doi: 10.3390/antibiotics10101168. PMID: 34680749; PMCID: PMC8532666.

Minieri M, Di Lecce VN, Lia MS, Maurici M, Bernardini S, Legramante JM. Role of MR-proADM in the risk stratification of COVID-19 patients assessed at the triage of the Emergency Department. *Crit Care*. 2021 Nov 26;25(1):407. doi: 10.1186/s13054-021-03834-9. PMID: 34836547.

Rapanotti MC, Cugini E, Nuccetelli M, Terrinoni A, Di Raimondo C, Lombardo P, Costanza G, Cosio T, Rossi P, Orlandi A, Campione E, Bernardini S, Blot-Chabaud M, Bianchi L. MCAM/MUC18/CD146 as a Multifaceted Warning Marker of Melanoma Progression in Liquid Biopsy. *Int J Mol Sci*. 2021 Nov 17;22(22):12416. doi: 10.3390/ijms222212416. PMID: 34830300.

compilare i seguenti campi:

Kolesova O, Tomassetti F, Cerini P, Finucci D, Turchetti G, Capogreco F, Bernardini S, Calugi G, Pieri M. Evaluation of ECLIA antigen detection tests as screening methods for COVID-19 in comparison with molecular analysis. *Ir J Med Sci.* 2021 Nov 30. doi: 10.1007/s11845-021-02863-1. Epub ahead of print. PMID: 34850319.

Pieri M, Nicolai E, Ciotti M, Nuccetelli M, Sarubbi S, Pelagalli M, Bernardini S. Antibody response to COVID-19 vaccine: A point of view that can help to optimize dose distribution. *Int Immunopharmacol.* 2021 Nov 27:108406. doi: 10.1016/j.intimp.2021.108406. Epub ahead of print. PMID: 34862126; PMCID: PMC8626226.

Clerico A, Zaninotto M, Aimo A, Dittadi R, Cosseddu D, Perrone M, Padoan A, Masotti S, Belloni L, Migliardi M, Fortunato A, Trenti T, Malloggi L, Cappelletti P, Galli GA, Bernardini S, Sciacovelli L, Plebani M. Use of high-sensitivity cardiac troponins in the emergency department for the early rule-in and rule-out of acute myocardial infarction without persistent ST-segment elevation (NSTEMI) in Italy. *Clin Chem Lab Med.* 2021 Dec 20. doi: 10.1515/cclm-2021-1085. Epub ahead of print. PMID: 34927403.

Nicolai E, Nuccetelli M, Sarubbi S, Basile V, Perrone MA, Terrinoni A, Minieri M, Pieri M, Bernardini S. Performance evaluation of the new Chemiluminescence Immunoassay CL-1200i Thyroid Panel. *J Immunoassay Immunochem.* 2021 Dec 18:1-13. doi: 10.1080/15321819.2021.2017301. Epub ahead of print. PMID: 34927566.

Guerrieri M, Francavilla B, Fiorelli D, Nuccetelli M, Passali FM, Coppeta L, Somma G, Bernardini S, Magrini A, Di Girolamo S. Nasal and Salivary Mucosal Humoral Immune Response Elicited by mRNA BNT162b2 COVID-19 Vaccine Compared to SARS-CoV-2 Natural Infection. *Vaccines (Basel).* 2021 Dec 18;9(12):1499. doi: 10.3390/vaccines9121499. PMID: 34960244.

Cristiano A, Pieri M, Sarubbi S, Pelagalli M, Calugi G, Tomassetti F, Bernardini S, Nuccetelli M. Evaluation of serological anti-SARS-CoV-2 chemiluminescent immunoassays correlated to live virus neutralization test, for the detection of anti-RBD antibodies as a relevant alternative in COVID-19 large-scale neutralizing activity monitoring. *Clin Immunol.* 2021 Dec 28:108918. doi: 10.1016/j.clim.2021.108918. Epub ahead of print. PMID: 34971839.

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VITAE**



INFORMAZIONI PERSONALI

Nome	PAOLO CASALINO
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Nazionalità	ITALIANA
Data di nascita	

ESPERIENZA LAVORATIVA

Dal 01.01.2020	Dirigente delle Professioni Sanitarie Area Tecnica Diagnostica Assistenziale presso Azienda Universitaria Policlinico Tor Vergata
Dal 02/2003/12.2019	Posizione organizzativa e coordinamento del Dipartimento di Medicina di Laboratorio presso Azienda Universitaria Policlinico Tor Vergata
Dal 01/2001 al 02/2003	In comando dall'Ospedale Pediatrico Bambino Gesù di Roma per l'Azienda Policlinico Tor Vergata per coordinare l'Intera Area della Medicina di Laboratorio con Funzioni di coordinamento e Posizione organizzativa
Dal 1993 al 2001	Tecnico referente del Laboratorio Urgenze dell' Ospedale Bambino Gesù di Roma
Dal 1991 al 1992	Specialist per un Azienda Nazionale per Analizzatori di chimica clinica, Contaglobuli, Emogas, Elettroforesi con elaborazioni di metodiche su strumentazioni automatiche
Dal 1986 al 1991	Tecnico di Laboratorio presso la Clinica Villa Letizia di Roma Tecnico di Laboratorio presso la Clinica Annunziatela di Roma
Dal 1985 al 1986	
Dal 1982 al 1984	Tecnico di Laboratorio presso la Clinica Villa Betania di Roma
• Nome e indirizzo del datore di lavoro	Azienda Universitaria Policlinico Tor Vergata
• Tipo di azienda o settore	Azienda Sanitaria
• Tipo di impiego	Dirigente Sanitario
• Principali mansioni e responsabilità	Dirigente delle professioni sanitarie

ISTRUZIONE E FORMAZIONE

2008/2009	1) Master in Funzioni di Coordinamento per Area Sanitaria
2005/2006	2) Laurea Magistrale in scienze delle Professione Sanitarie Tecniche Diagnostiche
2005	3) Corso di Formazione Universitario in Responsabile del servizio delle Professioni Sanitarie e di Coordinamento di Dipartimento
2004	4) Corso di Formazione Universitaria in Funzioni di Coordinamento nei servizi diagnostici e riabilitativi
2001 - 2002	5) Laurea Triennale in Tecnico di Laboratorio Biomedico
1980 - 1981	6) Diploma di Tecnico di Laboratorio Biomedico
1976 - 1979	7) Diploma di Perito Chimico
1976 - 1978	8) Attestato di Analista Chimico
• Nome e tipo di istituto di istruzione o formazione	1) Università Tor Vergata di Roma
	2) Università Tor Vergata di Roma
	3) SDA Università L. Bocconi Milano
	4) SDA Università L. Bocconi Milano
	5) Università Tor Vergata di Roma
	6) Ospedale Bambino Gesù di Roma
	7) Istituto GAUSS di Roma
	8) Istituto Professionale ENFAP Regione Lazio

ALTRE LINGUA

- Capacità di lettura
- Capacità di scrittura
- Capacità di espressione orale

1) FRANCESE

ECCELLENTE
BUONO
BUONO

2) INGLESE

ELEMENTARE
ELEMENTARE
ELEMENTARE

CAPACITÀ E COMPETENZE RELAZIONALI

Le capacità e competenze relazionali sono state sviluppate anche con corsi e aggiornamenti professionali svolti presso Università e convegni .

INCARICHI ISTITUZIONALI

PRESIDENTE ALBO TSLB ROMA E PROVINCIA 2019/2023

CAPACITÀ E COMPETENZE TECNICHE	<p>Conoscenza delle caratteristiche tecniche di tutte le tipologie di strumentazioni presenti nel Dipartimento di Medicina di Laboratorio.</p> <p>Capacità di elaborazioni di metodiche per strumentazione automatica.</p> <p>Capacità di elaborare progetti di consolidamento e riorganizzazione di Aree specifiche con valutazione tecniche sulle automazioni.</p> <p>Capacità e competenze inerenti alle problematiche della sicurezza sul posto di lavoro. Tale capacità e competenze sono state acquisite con corsi di formazione presso le Aziende interessate con rilascio di attestati.</p>
AGGIORNAMENTO PROFESSIONALE	<p>Aggiornamento professionale è stato espletato ogni anno con la partecipazione a Master, Corsi Universitari, Convegni, seminari e corsi ECM seguendo le normative vigenti riguardanti l'aggiornamento professionale e i relativi crediti formativi.</p>
RELATORE A CONGRESSI/CONVEGNI	<p>Relatore a numerosi convegni dal 2010 al 2019</p> <p>Relatore al convegno nel 2010 presso la Camera dei Deputati sulla applicazione della 251</p> <p>Relatore convegno presso la croce 2010 sull'automazione</p> <p>Relatore al Convegno Ottobre 2009 Il Laboratorio di Urgenza ed Emergenza (PTV)</p> <p>Segretario scientifico per i convegni IL PAZIENTE EMATOLOGICO DALL'INQUADRAMENTO DIAGNOSTICO ALLA TERAPIA, RISK MANAGEMENT, STATO DELL'ARTE DELLE BIOTECNOLOGIE IN MEDICINA DI LABORATORIO nel 2009 (PTV)</p> <p>Relatore nel 2006 al convegno : L'INSUFFICIENZA RENALE IN FASE INIZIALE: DIAGNOSTICA E ATTUALITÀ TERAPEUTICHE (PTV)</p> <p>Relatore nel 2004 al convegno GESTIONE DEL PERSONALE E PRODUTTIVITA' (SV)</p>
PUBBLICAZIONI	<p>Dal 2002 al 2009 ogni anno pubblicazioni di lavori scientifici sulla rivista di Biochimica Clinica</p>
ALTRE ATTIVITA'	<p>Presidente Albo TSLB di Roma e provincia</p> <p>Membro di commissione per concorsi pubblici per tecnici di laboratorio al PTV</p> <p>Membro di commissione per selezione interna per progressioni presso varie Aziende</p> <p>Membro di Commissione per concorso interno per attribuzione in funzioni di Coordinamento</p> <p>Membro di commissione per le selezioni di ingresso Lauree Area Sanitaria</p> <p>Membro di commissione per discussione tesi per Tecnici di Laboratorio Biomedico e laurea specialistica</p>
ATTIVITA' DIDATTICA	<p>Responsabile del tirocinio presso il PTV degli studenti della Laurea in tecnico di Laboratorio Biomedico e preparazione all'esame di abilitazione</p> <p>Docente al Master in Funzioni di coordinamento per professioni sanitarie Università Tor Vergata di Roma.</p> <p>Docente presso Università Unicamillus</p>


Paolo Casalino

01.10.2021

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INFORMAZIONI PERSONALI

Cognome e Nome
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MINIERI MARILENA

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Nazionalità

Italiana

ISTRUZIONE E FORMAZIONE

1984

Laurea con lode in Scienze Biologiche presso l'Università di Roma La Sapienza

1985

Abilitazione alla professione di Biologo

1993

Dottorato di Ricerca in Fisiopatologia Cardiovascolare presso l'Università di Roma Tor Vergata

1991-2003

Qualifica di Tecnico Laureato presso l'Università di Roma Tor Vergata

ATTIVITÀ ACCADEMICA

2004-PRESENTE

Ricercatore universitario confermato (settore scientifico-disciplinare BIO/12 *biochimica clinica e biologia molecolare clinica*; settore concorsuale 05/E3 *biochimica clinica e biologia molecolare clinica*) presso il Dipartimento di Medicina Interna. Dal 2012 afferisce al Dipartimento di Medicina Sperimentale e Chirurgia e dal 2018 al Dipartimento di Medicina Sperimentale dell'Università di Roma Tor Vergata

2006-PRESENTE

Titolo di Professore Aggregato (D.R. ex art. 1, comma 11, della legge n. 230/2005)

2006-2013

Collegio dei docenti del Dottorato di Ricerca in Materials for Health, Environment and Energy dell'Università di Roma Tor Vergata

2017-2019

Collegio dei docenti del Dottorato di Ricerca in Ingegneria Industriale dell'Università di Roma Tor Vergata

2021- PRESENTE

Collegio dei docenti del Dottorato di Ricerca in Ingegneria Industriale dell'Università di Roma Tor Vergata

2000-PRESENTE

Membro del Centro di Bio-Medicina Spaziale dell'Università di Roma Tor Vergata

2016-PRESENTE

Membro del Centro Interdipartimentale di Medicina Rigenerativa dell'Università di Roma Tor Vergata

2018

Abilitazione scientifica nazionale (ASN 2016) a professore di II fascia per il settore scientifico disciplinare BIO/12 (*Biochimica Clinica e Biologia Molecolare Clinica*); settore concorsuale 05/E3

ATTIVITÀ DIDATTICA

- 2003-PRESENTE** Titolare di corsi di insegnamento di Biochimica Clinica e Biologia Molecolare Clinica nell'ambito di Lauree triennali (Tecnici di Laboratorio Biomedico) e Magistrali (Scienze della Nutrizione Umana e Scienze delle Professioni Sanitarie Tecniche Diagnostiche) e di Scuole di Specializzazione dell'Università di Roma Tor Vergata (Patologia Clinica e Biochimica Clinica)
- 2014-PRESENTE** Titolare di corso di insegnamento nell'ambito del Master di II Livello in Nutrizione Personalizzata: Basi genetiche e molecolari
- 2019- PRESENTE** Titolare di corso di insegnamento nell'ambito del Master di II Livello in Psicobiologia della Nutrizione dell'Università di Roma Tor Vergata

ATTIVITÀ ASSISTENZIALE

- 1991-2007** Funzioni assistenziali con qualifica di Biologo Collaboratore e poi come Dirigente di I Livello presso il Servizio Speciale di Fisiopatologia Cardiorespiratoria dell'Università di Roma Tor Vergata presso l'Ospedale S. Eugenio /ASL RMC
- Dal 2007** Incarico a fini assistenziali presso l'Area Funzionale Aggregata di Medicina di Laboratorio nell'UOC Medicina di Laboratorio d'Urgenza
- Dal 2008** Titolare di programma assistenziale presso la UOC di Laboratorio Emergenze afferente al Dipartimento di Medicina di Laboratorio del Policlinico Tor Vergata
- Dal 2014** Responsabilità organizzativa del "Corelab" della UOC di Biochimica Clinica e Centro Prelievi, attualmente UOC di Medicina di Laboratorio del Policlinico Tor Vergata
- Dal 2019** Titolare di programma assistenziale presso la UOC di Medicina di Laboratorio del Policlinico Tor Vergata

ATTIVITÀ SCIENTIFICA

L'attività di ricerca è stata focalizzata soprattutto in ambito cardiovascolare ed in particolare allo studio e trattamento delle cardiomiopatie ereditarie e all'ingegnerizzazione del tessuto muscolare cardiaco con biomateriali innovativi.

Negli ultimi anni l'attività di ricerca si è incentrata particolarmente sullo studio di nuovi biomarcatori da utilizzare in ambito clinico.

I risultati ottenuti dalle suddette attività di ricerca sono stati oggetto di numerose pubblicazioni su primarie riviste scientifiche internazionali.

Ha partecipato a numerosi progetti di ricerca finanziati dal MIUR, dal MAE, da ASI, da Telethon, ecc. e nel 2008 è stata Responsabile di un'Unità operativa nell'ambito del PRIN 2008.

E' stata membro del Comitato Scientifico e Organizzatore di Congressi Nazionali ed Internazionali promossi da Istituzioni di Ricerca e da Società Scientifiche.

Ha partecipato a numerosi Congressi e Seminari Nazionali ed Internazionali e Corsi di aggiornamento ECM anche in qualità di relatore.

E' membro della European Federation of Clinical Chemistry and Laboratory Medicine (EFLM) e della Società Italiana di Biochimica Clinica (SIBioC), in quest'ultima in qualità di componente del Direttivo Regionale del Lazio.

E' autrice di circa 70 pubblicazioni scientifiche su riviste internazionali anche ad impatto clinico.

PUBBLICAZIONI (ultimi 10 anni))

1. Minieri M, Di Lecce VN, Lia MS, Maurici M, Bernardini S, Legramante JM. (2021). Role of MR-proADM in the risk stratification of COVID-19 patients assessed at the triage of the Emergency Department. *CRITICAL CARE*, Nov 26;25(1):407. doi: 10.1186/s13054-021-03834-9.
2. Leonardis F, Minieri M, Lia MS, Formica V, Dauri M, Colella DF, Natoli S, Paganelli C, Terrinoni A, Sarmati L, Dori L, Di Marzio L, Brunetti DJ, Parrino S, Angeletti S, Di Lecce VN, Gallù M, Bernardini S, Legramante JM. (2021). Early predictive value of MR-proADM in critically ill patients with Covid-19: An observational study in the Emergency Department. *JOURNAL OF EMERGENCY MEDICINE AND CARE*, Vol. 4, P. 1-13, ISSN: 2639-9253.
3. Campione E, Lanna C, Cosio T, Rosa L, Conte MP, Iacovelli F, Romeo A, Falconi M, Del Vecchio C, Franchin E, Lia MS, Minieri M, Chiaramonte C, Ciotti M, Nuccetelli M, Terrinoni A, Iannuzzi I, Coppeta L, Magrini A, Bernardini S, Sabatini S, Rosapepe F, Bartoletti PL, Moricca N, Di Lorenzo A, Andreoni M, Sarmati L, Miani A, Piscitelli P, Squillaci E, Valenti P, Bianchi L. (2021). Lactoferrin as antiviral treatment in COVID-19 management: Preliminary evidence. *INTERNATIONAL JOURNAL OF ENVIRONMENTAL RESEARCH AND PUBLIC HEALTH* 18(20):10985. doi: 10.3390/ijerph182010985
4. Caporali S, Calabrese C, Minieri M, Pieri M, Tarantino U, Marini M, D'Ottavio S, Angeletti S, Mauriello A, Cortese C, Bernardini S, Terrinoni A (2021). The miR-133a, TPM4 and TAp63 γ role in myocyte differentiation microfilament remodelling and colon cancer progression. *INTERNATIONAL JOURNAL OF MOLECULAR SCIENCE* Sep 10;22(18):9818. doi: 10.3390/ijms22189818
5. Mougang YK, Di Zazzo L, Minieri M, Capuano R, Catini A, Legramante JM, Paolesse R, Bernardini S, Di Natale C. (2021). Sensor array and gas chromatographic detection of the blood serum volatolomic signature of COVID-19. *ISCIENCE* Aug 20;24(8):102851. doi: 10.1016/j.isci.2021.102851. Epub 2021 Jul 10
6. Campione E, Lanna C, Cosio T, Rosa L, Conte MP, Iacovelli F, Romeo A, Falconi M, Del Vecchio C, Franchin E, Lia MS, Minieri M, Chiaramonte C, Ciotti M, Nuccetelli M, Terrinoni A, Iannuzzi I, Coppeta L, Magrini A, Bernardini S, Sabatini S, Rosapepe F, Bartoletti PL, Moricca N, Di Lorenzo A, Andreoni M, Sarmati L, Miani A, Piscitelli P, Valenti P, Bianchi L (2021). *FRONTIERS IN PHARMACOLOGY* Jun 17;12:666600. doi: 10.3389/fphar.2021.666600. eCollection 2021
7. De Stefano A, Caporali S, Di Daniele N, Rovella V, Cardillo C, Schinzari F, Minieri M, Pieri M, Candi E, Bernardini S, Tesauro M, Terrinoni A (2021). Anti-inflammatory and proliferative properties of luteolin-7-O-glucoside. *INTERNATIONAL JOURNAL OF MOLECULAR SCIENCES*, vol. 22, p. 1-19, ISSN: 1422-0067, doi: 10.3390/ijms22031321

8. Orlacchio A, Gasparini F, Roma S, Rava MS, Salvatori E, Morosetti D, Cossu E, Legramante JM, Paganelli C, Bernardini S, Minieri M (2021). Correlations between chest-CT and laboratory parameters in SARS-CoV-2 pneumonia: A single-center study from Italy. *MEDICINE*, vol. 100, ISSN: 1536-5964, doi: 10.1097/MD.00000000000025310
9. Caporali S, Didona B, Paradisi M, Mauriello A, Campione E, Falconi M, Iacovelli F, Minieri M, Pieri M, Bernardini S, Terrinoni A (2021). Post zygotic, somatic, deletion in KERATIN 1 V1 domain generates structural alteration of the K1/K10 dimer, producing a monolateral palmar epidermolytic nevus. *INTERNATIONAL JOURNAL OF MOLECULAR SCIENCES*, vol. 22, p. 1-16, ISSN: 1422-0067, doi: 10.3390/ijms22136901
10. Pieri M, Ciotti M, Nuccetelli M, Perrone MA, Calì MT, Lia MS, Minieri M, Bernardini S (2021). Serum Amyloid A Protein as a useful biomarker to predict COVID-19 patients severity and prognosis. *INTERNATIONAL IMMUNOPHARMACOLOGY*, vol. 95, p. 1-4, ISSN: 1567-5769
11. Minieri M, Leoni BD, Bellincampi L, Bajo D, Agnoli A, De Angelis AM, Pieri M, Equitani F, Rossi V, Valente F, Pignalosa S, Terrinoni A, Bernardini S (2021). Serum iPTH range in a reference population: From an integrated approach to vitamin D prevalence impact evaluation. *CLINICA CHIMICA ACTA*, vol. 521, p. 1-8, ISSN: 0009-8981, doi: 10.1016/j.cca.2021.06.004
12. Perrone MA, Viola FG, Minieri M, Caporali S, Copponi A, Sancesario G, Angeletti S, Massoud R, Romeo F, Bernardini S, Terrinoni A. (2020). The Von Willebrand Factor antigen plasma concentration: a monitoring marker in the treatment of aortic and mitral valve diseases. *FOLIA BIOLOGICA (Praha)*, vol. 66, p. 133-141.
13. Formica V, Minieri M, Bernardini S, Ciotti M, D'Agostini C, Roselli M, Andreoni M, Morelli C, Parisi G, Federici M, Paganelli C, Legramante JM (2020). Complete blood count might help to identify subjects with high probability of testing positive to SARS-CoV-2. *CLINICAL MEDICINE (Lond)*, vol. 20, p. 114-119, ISSN: 1470-2118, doi: 10.7861/clinmed.2020-0373
14. Spoto S, Legramante JM, Minieri M, Fogolari M, Terrinoni A, Valeriani E, Sebastiano C, Bernardini S, Ciccozzi M, Angeletti PS (2020). How biomarkers can improve pneumonia diagnosis and prognosis: procalcitonin and mid-regional-pro-adrenomedullin. *BIOMARKERS IN MEDICINE*, vol. 14, p. 549-562, ISSN: 1752-0363, doi: 10.2217/bmm-2019-0414
15. Diluvio L, Caporali S, Lozzi F, Campione E, Mazzilli S, Lanna C, Bianchi L, Bernardini S, Minieri M, Mauriello A, Ferlosio A, Candi E, Terrinoni A (2020). Birt-Hogg-Dubé syndrome, from non-invasive dermatologic assessment to gene testing, molecular and ultrastructural histologic analysis. *JOURNAL OF THE EUROPEAN ACADEMY OF DERMATOLOGY AND VENEREOLOGY*, 2020 Apr; 34:e206-e209. doi: 10.1111/jdv.16168. Epub 2020 Feb 5.
16. Mazzeo M, Di Raimondo C, Gurnari C, Rapanotti MC, Giunta A, Franceschini L, Rizzo M, Minieri M, Provenzano I, Bernardini S, Cantonetti M, Bianchi L (2020). Early detection of IgH monoclonal rearrangement in follicular spicules of the nose preceding multiple myeloma diagnosis. Case report and review of the literature. *GIORNALE ITALIANO DI DERMATOLOGIA E VENEREOLOGIA*, vol. 155, p. 364-366, ISSN: 1827-1820, doi: 10.23736/S0392-0488.18.06016-9
17. Ciotti M, Angeletti S, Minieri M, Giovannetti M, Benvenuto D, Pascarella S, Sagnelli C, Bianchi M, Bernardini S, Ciccozzi M (2019). COVID-19 Outbreak: An Overview. *CHEMOTHERAPY*, vol. 64(5-6), p. 215-223. doi: 10.1159/000507423. Epub 2020 Apr 7.
18. Spoto S, Fogolari M, De Florio L, Minieri M, Vicino G, Legramante J, Lia MS, Terrinoni A, Caputo D, Costantino S, Bernardini S, Ciccozzi M, Angeletti S (2019). Procalcitonin and MR-proAdrenomedullin combination in the etiological diagnosis and prognosis of sepsis and septic shock. *MICROBIAL PATHOGENESIS*, Dec; 137:103763. doi: 10.1016/j.micpath.2019.103763. Epub 2019 Sep 28.

19. Saeed K, Wilson DC, Bloos F, Schuetz P, van der Does Y, Melander O, Hausfater P, Legramante JM, Claessens YE, Amin D, Rosenqvist M, White G, Mueller B, Limper M, Callejo CC, Brandi A, Macchi MA, Cortes N, Kutz A, Patka P, Yañez MC, Bernardini S, Beau N, Dryden M, van Gorp ECM, Minieri M, Chan L, Rood PPM, Del Castillo JG (2019). The early identification of disease progression in patients with suspected infection presenting to the emergency department: a multi-centre derivation and validation study. *CRITICAL CARE*, 2019 Feb 8, 23: 40. doi: 10.1186/s13054-019-2329-5.
20. Terrinoni A, Palombo R, Pitolli C, Caporali S, De Berardinis R, Ciccarone S, Lanzillotta A, Mauramati S, Porta G, Minieri M, Melino G, Bernardini S, Bruno E (2019). Role of the TAp63 isoform in recurrent nasal polyps. *FOLIA BIOLOGICA*, vol. 65, p. 170-180.
21. Gnasso A, Cacia M, Cutruzzolà A, Minieri M, Carallo C, Cortese C, Irace C (2019). Influence of acute reduction of blood viscosity on endothelial function. *CLINICAL HEMORHEOLOGY AND MICROCIRCULATION*, vol. 72, p. 239-245. doi: 10.3233/CH-180446.
22. Mazzeo M, Di Raimondo C, Gurnari C, Rapanotti MC, Giunta A, Franceschini L, Rizzo M, Minieri M, Provenzano I, Bernardini S, Cantonetti M, Bianchi L (2018). Early detection of IgH monoclonal rearrangement in follicular spicules of the nose preceding multiple myeloma diagnosis. Case report and review of the literature. *GIORNALE ITALIANO DI DERMATOLOGIA E VENEREOLOGIA*, 2018 Sep 20. doi: 10.23736/S0392-0488.18.06016-9. Online ahead of print.
23. Legramante JM, Mastropasqua M, Porzio O, Mazza M, Miranda Agrippino G, D'Agostino C, Brandi A, Giovagnoli G, Di Lecce VN, Bernardini S, Minieri M (2017). Prognostic performance of pro-adrenomedullin in patients with community acquired pneumonia in the Emergency Department compared to clinical severity scores PSI and CURB. *PLOS ONE*, vol. 12: e0187702, p. 1-15
24. Carotenuto F, Costa A, Albertini MC, Rocchi MBL, Rudov A, Coletti D, Minieri M, Di Nardo P, Teodori L (2016). Dietary flaxseed mitigates impaired skeletal muscle regeneration: in vivo, in vitro and in silico studies. *INTERNATIONAL JOURNAL OF MEDICAL SCIENCES*, vol. 13, p. 206-219
25. Antonov A, Agostini M, Morello M, Minieri M, Melino G, Amelio I (2014). Bioinformatics analysis of the serine and glycine pathway in cancer cells. *ONCOTARGET*, vol. 5, p. 11004-11013
26. Pagliari F, Nardone G, Forte G, Pagliari S, Licoccia S, Minieri M, Di Nardo P, Traversa E (2014). Oxidative stress and nanoparticles: cerium dioxide to protect cardiac progenitor cells. *JOURNAL OF TISSUE ENGINEERING AND REGENERATIVE MEDICINE*, vol. 8, p. 239
27. Carotenuto F, Minieri M, Melino S, Di Nardo P (2014). Alpha linolenic acid-rich flaxseed regulates survival in cardiomyocytes. *CARDIOLOGY*, vol. 128, p. 381
28. Carotenuto F, Minieri M, Monego G, Fiaccavento R, Bertoni A, Sinigaglia F, Vecchini A, Carosella L, Di Nardo P (2013). A diet supplemented with ALA-rich flaxseed prevents cardiomyocyte apoptosis by regulating caveolin-3 expression. *CARDIOVASCULAR RESEARCH*, vol. 100, p. 422-431
29. Pagliari F, Mandoli C, Forte G, Magnani E, Pagliari S, Nardone G, Licoccia S, Minieri M, Di Nardo P, Traversa E (2012). Cerium oxide nanoparticles protect cardiac progenitor cells from oxidative stress. *ACS NANO*, vol. 6, p. 3767-3775
30. Forte G, Pietronave S, Nardone G, Zamperone A, Pagliari S, Pagliari F, Okano T, Minieri M, Prat M, Di Nardo P (2012). Human cardiac progenitor cell sheets as a source of autologous contractile and vascular cells for cardiac repair. *JOURNAL OF TISSUE ENGINEERING AND REGENERATIVE MEDICINE*, vol. 6, p. 106
31. Pagliari S, Vilela-Silva A C, Forte G, Pagliari F, Mandoli C, Pietronave S, Vozzi G, Prat M, Traversa E, Licoccia S, Ahluwalia A, Minieri M, Di Nardo P (2011). Cooperation of biological and

mechanical signals in cardiac progenitor cell differentiation. *ADVANCED MATERIALS*, vol. 23, p. 514-518

32. Forte G, Pietronave S, Nardone G, Zamperone A, Magnani E, Pagliari S, Pagliari F, Giacinti C, Nicoletti C, Musaro' A, Rinaldi M, Ribezzo M, Comoglio C, Traversa E, Okano T, Minieri M, Prat M, Di Nardo P (2011). Human cardiac progenitor cell grafts as unrestricted source of supernumerary cardiac cells in healthy murine hearts. *STEM CELLS*, vol. 29, p. 2051-2061
33. Forte G, Pietronave S, Pagliari F, Pagliari S, Magnani E, Nardone G, Traversa E, Prat M, Minieri M, Di Nardo P (2011). Stem cell delivery into the myocardial wall. In: Di Nardo P. (a cura di): Di Nardo P. *ADULT STEM CELL STANDARDIZATION*. vol. 1, p. 99-110, AALBORG: RIVER PUBLISHERS AALBORG, 9220, DENMARK, ISBN: 978-87-92329-74-5
34. Ahluwalia A, Minieri M, Di Nardo P (2011). Engineering the stem cell niche: Technologies and tools for applying biochemical, physical and structural stimuli and their effects on stem cells. In: ARTMANN GM, HESCHELER J, MINGER S. *Stem Cell Engineering Principles and Applications*. vol. 1, p. 41-59, BERLIN HEIDELBERG: Springer-Verlag

