

MAURO MANISCALCO

ISTRUZIONE

1991 Università Federico II di Napoli.

Laurea in Medicina e Chirurgia con voti 110/110 e lode

1996 Università *Federico II* di Napoli

Specializzazione in Malattie dell'Apparato Respiratorio con voti 70/70 e lode

2003 Università *Federico II* di Napoli

Specializzazione in Medicina del Lavoro con voti 70/70 e lode

2006 *Karolinska Institute* di Stoccolma (Svezia).

Ph. D. in Fisiologia e Farmacologia

2018 Idoneo all'Abilitazione Scientifica Nazionale per professore di I fascia 6-D1 (MED-10) (professore ordinario)

STAGE ALL'ESTERO

1994–1995 Dipartimento di Fisiopatologia Respiratoria Addenbrooke's Hospital di Cambridge (UK).

Fellow - Research

Nov - Dic 1996 Dipartimento di Farmacologia e Medicina Respiratoria Università di Sheffield (UK)

Fellow - Research

Giugno- Sett 2003 - Dipartimento di Fisiologia e Farmacologia Karolinska Institute di Stoccolma (Svezia)

Visiting - Research

2008 – 2009 Dipartimento di Fisiologia e Farmacologia Karolinska Institute di Stoccolma (Svezia)

Fellow - Research

ESPERIENZA PROFESSIONALE

Aprile 2022 - Dipartimento di Medicina Clinica e Chirurgia - Università Federico II

Professore Associato

Febbraio 2017- ad oggi IRCSS Istituti Clinici Scientifici Maugeri SPA

Responsabile U.O.C. Riabilitazione Respiratoria

Giugno 2016 - ad oggi IRCSS Istituti Clinici Scientifici Maugeri SPA
Responsabile del Laboratorio di ricerca sullo “Studio dei Markers Biologici di Infiammazione nell’Esalato”

2003 - 2017 Ospedale Classificato Maria SS. Della Pietà Casoria (Na)
Dirigente medico U.O. Pneumologia

Gen - Dic 2008 Università Federico II. Dip Malattie Respiratorie
Contratto di collaborazione per progetto di ricerca

1997-2003 Ministero della Difesa. Esercito Italiano
Dirigente Medico dei Servizi Sanitari (Capitano Medico)

1998 – 1999 Servizi Sanitari della Provincia Autonoma di Trento
Specialistica Ambulatoriale in Pneumologia

**STEERING COMMITTEE O PRINCIPAL INVESTIGATOR IN STUDI INTERNAZIONALI
APPROVATI CON FINANZIAMENTO**

- Vincitore di bando per Studio collaborativo finanziato **GSK global** su asma grave, Mepolizumab e Biomarcatori (**Proponente**).
- Vincitore di bando per Studio spontaneo finanziato **Astra-Zeneca Italia** su Benralizumab e biomarcatori polmonari. (**Proponente**).
- Vincitore di Bando competitivo delle Regione Campania sulle Malattie rare **SORGERE**: Studio sulle Obesità ipotalamiche Rare Genetiche e acquisitE: Ricerca e prospettivE (**Investigator**).
- Bando competitivo Ministero dello Sviluppo Economico (MISE): **Progetto SAALUS**: Smart Ambient Assisted Living Ubiquitous System bando MISE DM 5/3/18 Capo II (**Investigator**).
- **Studio AIFA**: **ICSLIFE** Comparison of 1-year treatment with inhaled bronchodilators (LABD) plus inhaled glucocorticosteroids (ICS) versus LABD without ICS on re-hospitalizations and/or death in elderly patients with chronic obstructive pulmonary disease (COPD) recently hospitalized because of an acute exacerbation of COPD. (**Principal Investigator**).
- **Trial clinico: Studio MATINEE** “Studio multicentrico, randomizzato, in doppio cieco, a gruppi paralleli, controllato con placebo su Mepolizumab 100 mg s.c. come trattamento aggiuntivo in partecipanti con BPCO che manifestano esacerbazioni frequenti e caratterizzati da livelli di eosinofili (EudraCT number 2018-001540-56)” (**Coordinatore Nazionale e Principal Investigator**)

- **Trial clinico: Studio TITANIA** di fase III, multicentrico, randomizzato, in doppio cieco, a dosaggio cronico, a gruppi paralleli, controllato verso placebo per valutare l'efficacia e la sicurezza di due posologie di Tozorakimab in partecipanti affetti da malattia polmonare ostruttiva cronica (BPCO) sintomatica con anamnesi di riacutizzazioni della BPCO. (EudraCT Number : : 2022-501063-41-00) (Principal Investigator).
- **Trial clinico: Studio INSMED 1007-201** “A randomized Double Blind placebo controlled multicentre study to assess the efficacy safety and pharmacokinetics of INS 1007 Administered Once daily for 24 weeks in Subjects with non-cystic fibrosis bronchiectasis. (Principal Investigator).
- **Trial clinico: Studio Arcadia** “Assessing the Relationship between Cardiovascular and small Airway Disease and Acute events” (Principal Investigator).
- **Trial clinico: Studio PRIME** Osservazionale, Prospettico, Multicentrico, Internazionale su modelli di Cura Di Pazienti Asmatici Lievi”. (Principal Investigator).
- **Trial clinico: Studio MACC** Tipologia ed eziologia dell'anemia nello scompenso cardiaco e nella BPCO. (Principal Investigator).

PREMI DI RICERCA

2023 FELLOW DELL' SOCIETÀ EUROPEA DI MALATTIE RESPIRATORIE (FERS)

2017 1° PREMIO INAIL – CONFINDUSTRIA PER LA SICUREZZA SUL LAVORO PER L'AZIENDA OERLIKON SPA

2005 PH. D. POSITION AL KAROLINSKA INSTITUTE DI STOCCOLMA

2003 GRANT COME SHORT-TERM FELLOW-SHIP DELLA SOCIETÀ EUROPEA DI MALATTIE RESPIRATORIE (ERS)

2003 GRANT DELLA HEART AND LUNG FOUNDATION DI STOCCOMA (SVEZIA)

2002 BORSA DI STUDIO “PROGETTO SCAMBI INTERNAZIONALI” DELL'UNIVERSITÀ FEDERICO II DI NAPOLI

1996 PREMIATO PER IL LAVORO “MODULAZIONE DELLA PRODUZIONE DI OSSIDO NITRICO NELL'UOMO A DIFFERENTI LIVELLI DEL TRATTO RESPIRATORIO” FACOLTÀ DI FARMACIA UNIVERSITÀ “FEDERICO II” DI NAPOLI.

ATTIVITÀ EDITORIALE E DI REVISORE

- Deputy Editor: **Monaldi Archives for Chest Diseases (Q3)**
- Associate Editor: **Frontiers in Pharmacology** IF 4.23 Q1
- Associate Editor: **Rassegna di Patologia dell'Apparato Respiratorio**
- Editorial board: **Cells** IF 6.6 Q1
- Editorial board: **Respiratory Medicine** IF 4.1 Q2
- Editorial board: **Current Medicinal Chemistry** IF 4.3 Q1
- Editorial board: **Biomarkers in Medicine** IF 2.4 Q3
- Guest Editor: **Biomedicines** IF 6.1 Q1

Referee: Medical Research Council (UK), National Medical Research Council of Singapore, CNR and ZonMw, The Netherlands Organization for Health Research and Development.

Referee: Lancet respiratory Medicine, AJCCM, CHEST, Thorax, ERJ, ERJ open, European Journal Clinical Investigation, Journal of Applied Physiology, Respiration, Journal of Breath Research, Respiratory Medicine, Clinical Experimental Allergy. Occupational Medicine. Journal Thoracic diseases, BMC, PLOS One, American Journal of Rhinology, Multidisciplinary Respiratory Medicine, Allergy, Environmental Health, BMC pulmonary medicine. European Journal Internal Medicine, Biomedicines.

BREVETTI

- Contributo allo sviluppo ed impiego del **Brevetto N° US7270638** "Method and device for diagnosis using an oscillating airflow" e Brevetto Europeo EP1469775

ATTIVITÀ DI DOCENZA

- Docente al corso di laurea in Medicina per studenti IV anno II semestre dall'anno accademico 2022.
- Docente al corso di laurea triennale per tecnici di radiologia II anno I semestre dall'anno accademico 2023.
- Docente al corso di laurea triennale per fisioterapisti II anno I semestre dall'anno accademico 2023.
- Docente della Scuola di Specializzazione in Malattie dell'Apparato Respiratorio dell'Università "Federico II" di Napoli dal 2018.
- Docente a Contratto di Malattie dell'Apparato Respiratorio presso il corso di Laurea in Dietistica dell'Università del Molise dal Gennaio 2017 al 2019
- Docente di Fisiologia e Medicina Iperbarica nei corsi di formazione professionale presso l'Istituto per lo Sviluppo, la Formazione e la Ricerca nel Mediterraneo "ISFORM", autorizzati con delibera n° 5753/00 della Regione Campania. Dal 2002- al 2006
- Relatore al "*Corso per l'Educazione Continua in Medicina*" dell'Università "Federico II" di Napoli.
- Attività seminariale di farmacologia a studenti in medicina presso il Karolinska Institute di Stoccolma.

- Docente al corso post-universitario su rinite allergica e patologie associate Ospedali riuniti di Ancona (2012- 2013)

PARTECIPAZIONE ATTIVA A SOCIETÀ SCIENTIFICHE

- Responsabile nazionale Gruppo di Studio di Fisiopatologia Respiratoria ed Esercizio AIPO dal 2021
- Coordinatore nazionale AIPO Sud Italia – Gruppo di studio riabilitazione dal 2018
- Membro del Consiglio direttivo AIPO regione Campania e Basilicata dal 2018

PUBBLICAZIONI SCIENTIFICHE (*H-INDEX 34*)

RICERCA ORIGINALE SU RIVISTE INTERNAZIONALI PEER REVIEWED

1. EXHALED NITRIC OXIDE AS BIOMARKER OF TYPE 2 DISEASES. **MANISCALCO M**, FUSCHILLO S, MORMILE I, DETORAKI A, SARNELLI G, PAULIS A, SPADARO G, CANTONE E; PATH-2 TASK FORCE. *CELLS*. 2023;12(21):2518. DOI: 10.3390/CELLS12212518.PMID: 37947596
2. CARDIOVASCULAR RISK ASSOCIATED WITH ALPHA-1 ANTITRYPSIN DEFICIENCY (AATD) GENOTYPES: A META-ANALYSIS WITH META-REGRESSIONS. AMBROSINO P, MARCUCCIO G, LOMBARDI C, D'ANNA SE, SANDUZZI ZAMPARELLI S, MANCUSI C, SPEDICATO GA, MOTTA A, **MANISCALCO M**. *J CLIN MED*. 2023;12(20):6490. DOI: 10.3390/JCM12206490.PMID: 37892629
3. BONE MORPHOGENIC PROTEINS AND THEIR ANTAGONISTS IN THE LOWER AIRWAYS OF STABLE COPD PATIENTS. DI STEFANO A, ROSANI U, LEVRA S, GNEMMI I, BRUN P, **MANISCALCO M**, D'ANNA SE, CARRIERO V, BERTOLINI F, RICCIARDOLO FLM. *BIOLOGY (BASEL)*. 2023;12(10):1304. DOI: 10.3390/BIOLOGY12101304.PMID: 37887014
4. NASAL NITRIC OXIDE AND CHRONIC RHINOSINUSITIS WITH NASAL POLYPS: IS IT A MATTER OF INFLAMMATION OR MECHANICAL OBSTRUCTION? AMBROSINO P, MOTTA A, **MANISCALCO M**. *INT FORUM ALLERGY RHINOL*. 2023 OCT 17. DOI: 10.1002/ALR.23291.
5. BEYOND VISUAL INTERPRETATION: QUANTITATIVE ANALYSIS AND ARTIFICIAL INTELLIGENCE IN INTERSTITIAL LUNG DISEASE DIAGNOSIS "EXPANDING HORIZONS IN RADIOLOGY". REA G, SVERZELLATI N, BOCCHINO M, LIETO R, MILANESE G, D'ALTO M, BOCCHINI G, **MANISCALCO M**, VALENTE T, SICA G. *DIAGNOSTICS (BASEL)*. 2023 JUL 10;13(14):2333. DOI: 10.3390/DIAGNOSTICS13142333.
6. THE CLINICAL APPLICATION OF ESTABLISHED AND EMERGING BIOMARKERS FOR CHRONIC RESPIRATORY DISEASES. AMBROSINO P, MARCUCCIO G, MANZO F, MANCUSI C, MEROLA C, **MANISCALCO M**. *J CLIN MED*. 2023;12(19):6125. DOI: 10.3390/JCM12196125.PMID: 37834769
7. FLOW-MEDIATED DILATION AS A MARKER OF ENDOTHELIAL DYSFUNCTION IN PULMONARY DISEASES: A NARRATIVE REVIEW. ABAGNALE L, CANDIA C, MOTTA A, GALLOWAY B, AMBROSINO P, MOLINO A, **MANISCALCO M**. *RESPIR MED RES*. 2023;84:101049. DOI: 10.1016/J.RESMER.2023.101049
8. EFFECTS OF PULMONARY REHABILITATION IN SURVIVORS OF SEVERE ACUTE RESPIRATORY SYNDROME CORONAVIRUS 2. ROLE OF VACCINATION. VIGNA M, CERIANA P, SANTOMASSIMO M, VITACCA M, **MANISCALCO M**, AMBROSINO N, MONALDI ARCH CHEST DIS. 2023. DOI: 10.4081/MONALDI.2023. 2738. PMID: 377323
9. CLINICAL APPLICATIONS OF NASAL NITRIC OXIDE IN ALLERGIC RHINITIS: A REVIEW OF THE LITERATURE. MARCUCCIO G, AMBROSINO P, MEROLA C, MANZO F, MOTTA A, REA G, CANTONE E, **MANISCALCO M**. *J CLIN MED*. 2023;12(15):5081. DOI: 10.3390/JCM12155081.PMID: 37568482

10. DETECTION OF CELLS IN EXHALED BREATH CONDENSATE HOLDS POTENTIAL FOR PATHOPHYSIOLOGICAL INSIGHTS IN PULMONARY DISEASES. PALOMBA L, PARIS D, TRAMICE A, AMBROSINO P, MANISCALCO M, MOTTA A. AM J RESPIR CELL MOL BIOL. 2023 JUL;69(1):113-115.
11. EFFECT OF PULMONARY REHABILITATION ON COPD ASSESSMENT TEST ITEMS IN INDIVIDUALS CLASSIFIED AS GOLD GROUP E.VITACCA M, PANERONI M, SPANEVELLO A, MANISCALCO M, DIASPARRA A, ALIANI M, AMBROSINO N. RESPIRATION. 2023 ;102 (7):469-478. DOI: 10.1159/000531011.
12. A MULTIDISCIPLINARY APPROACH FOR TYPE 2 ALLERGIC DISEASES: WHAT DO BIOLOGICS TEACH US?MANISCALCO M, DETORAKI A, SARNELLI G, NOLANO M, DE PAULIS A, SPADARO G, CANTONE E; PATH-2 TASK FORCE. J PERS MED. 2023 JUN 1;13(6):941. DOI: 10.3390/JPM13060941.
13. PULMONARY REHABILITATION AND ENDOTHELIAL FUNCTION IN PATIENTS WITH CHRONIC OBSTRUCTIVE PULMONARY DISEASE: A PROSPECTIVE COHORT STUDY.AMBROSINO P, DI MINNO MND, D'ANNA SE, FORMISANO R, PAPPONE N, MANCUSI C, MOLINO A, MOTTA A, MANISCALCO M.EUR J INTERN MED. 2023 JUN 20: S0953-6205(23)00210-8. DOI: 10.1016/J.EJIM.2023.06.015.
14. PHARMACOTHERAPIES IN OLDER ADULTS WITH COPD: CHALLENGES AND OPPORTUNITIES. MATERA MG, HANANIA NA, MANISCALCO M, CAZZOLA M. DRUGS AGING. 2023 JUL;40(7):605-619. DOI: 10.1007/S40266-023-01038-0.
15. BACTERIAL LOAD AND RELATED INNATE IMMUNE RESPONSE IN THE BRONCHI OF RAPID DECLINERS WITH CHRONIC OBSTRUCTIVE PULMONARY DISEASE.D'ANNA SE, DOSSENA F, GNEMMI I, BRUN P, SPANEVELLO A, CARRIERO V, BERTOLINI F, MANISCALCO M, RICCIARDOLO FL, BALBI B, DI STEFANO A. RESPIR MED. 2023 AUG-SEP; 215:107297. DOI: 10.1016/J.RMED.2023.107297.
16. CARDIAC AND PULMONARY REHABILITATION: TWO UNDERUTILIZED APPROACHES WITH SOME UNEXPECTED BENEFITS. AMBROSINO P, MARCUCCIO G, FORMISANO R, MARCUCCIO L, FILOSA R, MANISCALCO M.J CLIN MED. 2023 APR 13;12(8):2847. DOI: 10.3390/JCM12082847.
17. EOSINOPHILIC AIRWAY DISEASES: FROM PATHOPHYSIOLOGICAL MECHANISMS TO CLINICAL PRACTICE.MORMILE M, MORMILE I, FUSCHILLO S, ROSSI FW, LAMAGNA L, AMBROSINO P, DE PAULIS A, MANISCALCO M.INT J MOL SCI. 2023 APR 14;24(8):7254. DOI: 10.3390/IJMS24087254.
18. CLUSTERS OF INDIVIDUALS RECOVERING FROM AN EXACERBATION OF CHRONIC OBSTRUCTIVE PULMONARY DISEASE AND RESPONSE TO IN-HOSPITAL PULMONARY REHABILITATION. VITACCA M, MALOVINI A, SPANEVELLO A, CERIANA P, PANERONI M, MANISCALCO M, BALBI B, RIZZELLO L, MURGIA R, BELLAZZI R, AMBROSINO N. PULMONOLOGY. 2023 MAY-JUN;29(3):230-239. DOI: 10.1016/J.PULMOE.2023.01.002.
19. IMPLEMENTING TRANSLATIONAL RESEARCH TO UNDERSTAND THE FUTURE OF COVID-19 AND ITS LONG-TERM CONSEQUENCES: A DEGROWTH PERSPECTIVE OR THE TRANSFORMATION OF A GLOBAL EMERGENCY? AMBROSINO P, MORETTA P, LANZILLO A, FORMISANO R, MANISCALCO M. BIOMEDICINES. 2023 JAN 3;11(1):117. DOI: 10.3390/BIOMEDICINES11010117.
20. VALIDATION OF THE GLOBAL LUNG FUNCTION INITIATIVE 2012 SPIROMETRY REFERENCE VALUES IN A HEALTHY ITALIAN WORKING POPULATION.FONTANA L, CIOFFI DL, LESO V, D'AUSILIO E, PACELLA D, FEDELE M, MANISCALCO M, IAVICOLI L.INT J ENVIRON RES PUBLIC HEALTH. 2022 NOV 17; 19(22):15200.
21. FRACTIONAL EXHALED NITRIC OXIDE (FENO) IN PATIENTS WITH STABLE CHRONIC OBSTRUCTIVE PULMONARY DISEASE: SHORT-TERM VARIABILITY AND POTENTIAL CLINICAL IMPLICATIONS. AMBROSINO P, FUSCHILLO S, ACCARDO M, MOSELLA M, MOLINO A, SPEDICATO GA, MOTTA A, MANISCALCO M.J PERS MED. 2022 NOV 16;12(11):1906.
22. CLINICAL ASSESSMENT OF ENDOTHELIAL FUNCTION IN CONVALESCENT COVID-19 PATIENTS: A META-ANALYSIS WITH META-REGRESSIONS. AMBROSINO P, SANDUZZI ZAMPARELLI S, MOSELLA M, FORMISANO R, MOLINO A, SPEDICATO GA, PAPA A, MOTTA A, DI MINNO MND, MANISCALCO M.ANN MED. 2022 DEC;54(1):3234-3249.
23. IS IT ALL ABOUT ENDOTHELIAL DYSFUNCTION? FOCUSING ON THE ALTERATION IN ENDOTHELIAL INTEGRITY AS A KEY DETERMINANT OF DIFFERENT PATHOLOGICAL MECHANISMS. AMBROSINO P, D'ANNA SE, GRASSI G, MANISCALCO M. BIOMEDICINES. 2022 OCT 31;10(11):2757. DOI: 10.3390/BIOMEDICINES10112757.
24. COGNITIVE IMPAIRMENT IN CONVALESCENT COVID-19 PATIENTS UNDERGOING MULTIDISCIPLINARY REHABILITATION: THE ASSOCIATION WITH THE CLINICAL AND FUNCTIONAL STATUS.MORETTA P, AMBROSINO P, LANZILLO A, MARCUCCIO L, FUSCHILLO S, PAPA A, SANTANGELO G, TROJANO

- L, MANISCALCO M. HEALTHCARE (BASEL). 2022 MAR 4;10(3):480. DOI: 10.3390/HEALTHCARE10030480.
25. A MACHINE LEARNING APPROACH TO PREDICT THE REHABILITATION OUTCOME IN CONVALESCENT COVID-19 PATIENTS. ADAMO S, AMBROSINO P, RICCIARDI C, ACCARDO M, MOSELLA M, CESARELLI M, D'ADDIO G, MANISCALCO M. J PERS MED. 2022 FEB 22;12(3):328. DOI: 10.3390/JPM12030328.
 26. FUTURE PERSPECTIVES OF REVALUATING MILD COPD. RADOVANOVIC D, CONTOLI M, BRAIDO F, MANISCALCO M, MICHELETTO C, SOLIDORO P, SANTUS P, CARONE M. RESPIRATION. 2022 APR 25;1-9. DOI: 10.1159/000524102. ONLINE AHEAD OF PRINT. PMID: 35468602
 27. DECONDITIONING IN COVID-19 SURVIVORS WITH REDUCED EXERCISE PERFORMANCE: A ROLE FOR ENDOTHELIAL DYSFUNCTION? AMBROSINO P, MANISCALCO M. MED HYPOTHESES. 2022 JUN; 163:110847. DOI: 10.1016/J.MEHY.2022.110847.
 28. PERIPHERAL NEUROPATHY IN PATIENTS RECOVERING FROM SEVERE COVID-19: A CASE SERIES. BALBI P, SALTALAMACCHIA A, LULLO F, FUSCHILLO S, AMBROSINO P, MORETTA P, LANZILLO B, MANISCALCO M. MEDICINA (KAUNAS). 2022 APR 8;58(4):523. DOI: 10.3390/MEDICINA58040523.
 29. ENDOTHELIAL DYSFUNCTION IN COVID-19: A UNIFYING MECHANISM AND A POTENTIAL THERAPEUTIC TARGET. AMBROSINO P, CALCATERRA IL, MOSELLA M, FORMISANO R, D'ANNA SE, BACHETTI T, MARCUCCIO G, GALLOWAY B, MANCINI FP, PAPA A, MOTTA A, DI MINNO MND, MANISCALCO M. BIOMEDICINES. 2022;10(4):812. DOI: 10.3390/BIOMEDICINES10040812. PMID: 35453563
 30. A MACHINE LEARNING APPROACH TO PREDICT THE REHABILITATION OUTCOME IN CONVALESCENT COVID-19 PATIENTS. ADAMO S, AMBROSINO P, RICCIARDI C, ACCARDO M, MOSELLA M, CESARELLI M, D'ADDIO G, MANISCALCO M. J PERS MED. 2022 FEB 22;12(3):328. DOI: 10.3390/JPM12030328. PMID: 35330328
 31. COGNITIVE IMPAIRMENT IN CONVALESCENT COVID-19 PATIENTS UNDERGOING MULTIDISCIPLINARY REHABILITATION: THE ASSOCIATION WITH THE CLINICAL AND FUNCTIONAL STATUS. MORETTA P, AMBROSINO P, LANZILLO A, MARCUCCIO L, FUSCHILLO S, PAPA A, SANTANGELO G, TROJANO L, MANISCALCO M. HEALTHCARE (BASEL). 2022 MAR 4;10 (3):480. DOI: 10.3390/HEALTHCARE10030480.
 32. BRONCHODILATOR RESPONSE AS A POSSIBLE PREDICTOR OF LUNG FUNCTION IMPROVEMENT AFTER PULMONARY REHABILITATION IN POST-COVID-19 PATIENTS. MANISCALCO M, FUSCHILLO S, AMBROSINO P, D'ANNA SE, ACCARDO MS, MATERA MG, CAZZOLA M. ARCH BRONCHOPULMONOL. 2021 JUN 18;S0300-2896(21)00187-3. DOI: 10.1016/J.ARBRES.2021.06.004.
 33. CARDIOPULMONARY EXERCISE PERFORMANCE AND ENDOTHELIAL FUNCTION IN CONVALESCENT COVID-19 PATIENTS. AMBROSINO P, PARRELLA P, FORMISANO R, PERROTTA G, D'ANNA SE, MOSELLA M, PAPA A, MANISCALCO M. J CLIN MED. 2022 MAR 7;11(5):1452. DOI: 10.3390/JCM11051452
 34. METABOLOMICS OF COPD PULMONARY REHABILITATION OUTCOMES VIA EXHALED BREATH CONDENSATE. MANISCALCO M, PARIS D, CUOMO P, FUSCHILLO S, AMBROSINO P, TRAMICE A, PALOMBA L, MOTTA A. CELLS. 2022 JAN 20;11(3):344. DOI: 10.3390/CELLS11030344.
 35. IDENTIFICATION OF BIOMARKERS IN COPD BY METABOLOMICS OF EXHALED BREATH CONDENSATE AND SERUM/PLASMA. PARIS D, PALOMBA L, TRAMICE A, MOTTA L, FUSCHILLO S, MANISCALCO M, MOTTA A. MINERVA MED. 2022 FEB 22. DOI: 10.23736/S0026-4806.22.07957-5.
 36. PATHOGENESIS OF COPD AT THE CELLULAR AND MOLECULAR LEVEL. DI STEFANO A, GNEMMI I, DOSSENA F, RICCIARDOLO FL, MANISCALCO M, LO BELLO F, BALBI B. MINERVA MED. 2022 FEB 9. DOI: 10.23736/S0026-4806.22.07927-7.
 37. CAN FENO BE A BIOMARKER IN THE POST-COVID-19 PATIENTS MONITORING? MANISCALCO M, AMBROSINO P, POTO R, FUSCHILLO S, POTO S, MATERA MG, CAZZOLA M. RESPIR MED. 2022 MAR;193:106745. DOI: 10.1016/J.RMED.2022.106745.
 38. ENDOTHELIAL DYSFUNCTION: FROM A PATHOPHYSIOLOGICAL MECHANISM TO A POTENTIAL THERAPEUTIC TARGET. AMBROSINO P, GRASSI G, MANISCALCO M. BIOMEDICINES. 2021 DEC 31;10(1):78. DOI: 10.3390/BIOMEDICINES10010078.
 39. COVID-19 AND POST-ACUTE COVID-19 SYNDROME: FROM PATHOPHYSIOLOGY TO NOVEL TRANSLATIONAL APPLICATIONS. AMBROSINO P, LANZILLO A, MANISCALCO M. BIOMEDICINES. 2021 DEC 27;10(1):47. DOI: 10.3390/BIOMEDICINES10010047.
 40. THE RESPIRATORY REHABILITATION MAUGERI NETWORK SERVICE RECONFIGURATION AFTER 1 YEAR OF COVID-19. VITACCA M, CERIANA P, BALBI B, BRUSCHI C, ALIANI M, MANISCALCO M, FANFULLA F, DIASPARA A, RIZZELLO L, SERENI D, SPANEVELLO A. MONALDI ARCH CHEST DIS. 2021 JUN 8;91(4).

DOI: 10.4081/MONALDI.2021.1843.

41. COGNITIVE IMPAIRMENT AND ENDOTHELIAL DYSFUNCTION IN CONVALESCENT COVID-19 PATIENTS UNDERGOING REHABILITATION. MORETTA P, MANISCALCO M, PAPA A, LANZILLO A, TROJANO L, AMBROSINO P. EUR J CLIN INVEST. 2021 DEC 18;E13726. DOI: 10.1111/ECL.13726.
42. EFFECTIVENESS OF BENRALIZUMAB IN SEVERE EOSINOPHILIC ASTHMA: DISTINCT SUB-PHENOTYPES OF RESPONSE IDENTIFIED BY CLUSTER ANALYSIS BY DI BONA ET AL. MANISCALCO M. CLIN EXP ALLERGY. 2021 NOV 18. DOI: 10.1111/CEA.14059.
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Si autorizza al trattamento dei dati ai sensi dell'art. 13 del d.Lgs 30 giugno 2003, n. 196 "Codice in materia di protezione dei dati personali" e art. 13 del GDPR (Regolamento UE 2016/679),

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