

**FORMATO EUROPEO
PER IL CURRICULUM VITAE**



INFORMAZIONI PERSONALI

Nome/Cognome	Sergio Abrignani
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Codice fiscale	BRGSRG58H03E974U
Nazionalità	Italiana
Data e luogo di nascita	03/06/1958, Marsala (TP)
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POSIZIONE RICOPERTA

dal 2015	Università degli Studi di Milano – Via Festa del Perdono, 7 – 20122 Milano Dipartimento di Scienze Cliniche e di Comunità (DISCCO) Professore ordinario di Immunologia Generale e Immunopatologia
dal 2006	FONDAZIONE INGM Istituto Nazionale Genetica Molecolare – INGM “Romeo ed Enrica Invernizzi” Direttore Scientifico

ESPERIENZA LAVORATIVA

1995 - 2005	Vice Presidente, Dipartimento di ricerca e sviluppo Chiron Corporation, Emeryville (CA), USA
1994 - 2000	Professore a contratto Università di Siena, Scuola di Specializzazione in Gastroenterologia, Facoltà di Medicina
1993 - 1999	Direttore del Dipartimento di Immunologia e Virologia Centro Ricerche Chiron, Siena
1990 - 1992	Responsabile del laboratorio Vaccini presso il Dipartimento di Allergia/Immunologia Ciba-Geigy, Basilea, Svizzera
1988 - 1989	Ricercatore presso il Dipartimento di Allergia/Immunologia Ciba-Geigy, Basilea, Svizzera
1986 - 1987	Ricercatore presso il dipartimento di Ricerca Preclinica Sandoz, Basilea, Svizzera
1983 - 1985	Assistente Medico Università di Palermo, Istituto di Patologia Generale, Facoltà di Medicina

ISTRUZIONE E FORMAZIONE

- 1986 Specializzazione in Patologia Generale, votazione 70/70 con lode
Facoltà di Medicina dell'Università di Palermo
- 1982 Abilitazione nazionale all'esercizio della professione medica
Facoltà di Medicina dell'Università di Padova
- 1982 Laurea in Medicina, votazione 110/110 con lode
Facoltà di Medicina dell'Università di Padova

COMPETENZE PERSONALI

Lingua madre Italiano

Altre lingue

	COMPRENSIONE		PARLATO		PRODUZIONE SCRITTA
	Ascolto	Lettura	Interazione	Produzione orale	
Inglese	C2	C2	C2	C2	C2
Tedesco	B1	B1	B1	B1	B1

Livelli: A1/A2: Utente base - B1/B2: Utente intermedio - C1/C2: Utente avanzato
Quadro Comune Europeo di Riferimento delle Lingue

PREMI E RICONOSCIMENTI

2022

Commendatore dell'Ordine "al Merito della Repubblica Italiana"
per il suo contributo nel Comitato Tecnico Scientifico per l'emergenza Covid.

2011-2016

ERC Advanced Grant

"Lymphocyte microRNAs in health and disease: Understanding lymphocyte functions through the identification of microRNA target genes and exploiting serum microRNA signatures to monitor immune responses".

2004

Medaglia d'oro al Merito della Sanità Pubblica, per i suoi studi sul virus dell'epatite C.

ALTRE ATTIVITA' PROFESSIONALI**Board of Directors: not for profit institutions**

Dal 2024 – Università degli Studi di Trento (Membro del Consiglio di Amministrazione)
 Dal 2021 – Fondazione Toscana Life Sciences, Siena (Membro del Consiglio di Indirizzo)
 Dal 2017 – Fondazione Carlo Erba, Milano (Membro del Consiglio di Amministrazione)
 Dal 2015 – Sclavo Vaccines Association, Siena (Membro del Consiglio di Amministrazione)
 Dal 2006 – Fondazione INGM, Milano (Membro del Consiglio di Amministrazione)

Board of Directors: Companies

Dal 2021 – Utopia SIS Spa, Bologna (Membro del Consiglio di Amministrazione)
 Dal 2018 – CheckmAb Srl, Milano (Membro del Consiglio di Amministrazione)
 Dal 2015 – Impact Lab Srl, Milano (Membro del Consiglio di Amministrazione)

Advisory Board membership:

Dal 2025 – ISS – Istituto Superiore di Sanità (Membro del Comitato Scientifico)
 Dal 2021 – Regione Lombardia (Membro del gruppo tecnico nella campagna vaccinale anti Covid19)

ULTERIORI INFORMAZIONI**Pubblicazioni**

"ad hoc reviewer" di articoli sulle seguenti riviste scientifiche:

European Journal of Immunology, EMBO Journal, Frontiers in Immunology, Hepatology, Immunity, International Immunology, Journal of Clinical Investigation, Journal of Hepatology, Journal of Immunology, Nature, Nature Immunology, Nature Medicine, Science.

H index, secondo Google Scholar: 82

Totale citazioni, secondo Google Scholar: 26671

(**) indica che Sergio Abrignani è corresponding author

2025

1. Favalli A, Patelli G, Guarini P, Gobbi A, Pesce E, Mariano S, Bombaci M, Vincenti F, Donnici L, Marchese S, Piscazzi D, Amatu A, Tosi F, Ghezzi S, Pani A, Principato S, Lombardi A, Bandera A, **Abrignani S**, Siena S, Sartore-Bianchi A, Grifantini R. "Impact of chemotherapy on humoral and cellular immune responses to COVID-19 vaccination in patients with solid tumors". Front Immunol. 2025 Sep 25;16:1664072.
2. Varchetta S, Golfetto FS, Bono P, Callegaro A, Fabbris T, Favalli A, Crosti M, De Feo TM, Iannotti N, Bozzi G, Castelli V, Mariani B, Muscatello A, **Abrignani S**, Grifantini R, Bandera A, Lombardi A. "Reduced spike specific T-cell responses in COVID-19 vaccinated subjects undergoing SARS-CoV-2 breakthrough infection". Front Immunol. 2025 Sep 5;16:1657082
3. Fedele G, Schiavoni I, Trentini F, Leone P, Olivetta E, Fiore S, Di Martino A, **Abrignani S**, Bandera A, Clerici P, De Paschale M, Fallucca A, Fortunato F, Gori A, Grifantini R, Lazzarotto T, Lodi V, Orsi A, Prato R, Restivo V, Ricucci V, Palamara AT, Stefanelli P; COVAC-2 Study Group. Six-month follow-up of antibody response to bivalent mRNA SARS-CoV-2 vaccine booster in healthcare workers. Vaccine. 2025 Jul 30;62:127524.
4. Ceraolo MG, Leccese M, Cassotta A, Triolo S, Bombaci M, Coluccio E, Prati D, Ungaro R, **Abrignani S**, Bandera A, Sallusto F, Lanzavecchia A, Notarbartolo S. "Dual Activation-Induced Marker Combinations Efficiently Identify and Discern Antigen-Specific and Bystander-Activated Human CD4+ T Cells". Eur J Immunol. 2025 Feb;55(2):e202451404.

2024

5. Bombaci M, Fassi EMA, Gobbi A, Mileto D, Cassaniti I, Pesce E, Casali E, Mancon A, Sammartino J, Ferrari A, Percivalle E, Grande R, Marchisio E, Gismondo MR, **Abrignani S**, Baldanti F, Colombo G, Grifantini R. High-throughput peptide array analysis and computational techniques for serological profiling of flavivirus infections: Implications for diagnostics and vaccine development. J Med Virol. 2024 Sep;96(9):e29923.

6. Mauri G, Patelli G, Sartore-Bianchi A, **Abrignani S**, Bodega B, Marsoni S, Costanzo V, Bachi A, Siena S, Bardelli A. Early-onset cancers: Biological bases and clinical implications. *Cell Rep Med*. 2024 Sep 17;5(9):101737. doi: 10.1016/j.xcrm.2024.101737. Epub 2024 Sep 10. PMID: 39260369; PMCID: PMC11525030.
7. Burattin FV, Vadalà R, Panepuccia M, Ranzani V, Crosti M, Colombo FA, Ruberti C, Erba E, Prati D, Nittoli T, Montini G, Ronchi A, Pugni L, Mosca F, Ricciardi S, **Abrignani S**, Pietrasanta C, Marasca F, Bodega B. "LINE1 modulate human T cell function by regulating protein synthesis during the life span". *Sci Adv*. 2024 Oct 11;10(41):eado2134.
8. (***) Galeota E, Bevilacqua V, Gobbini A, Gruarin P, Bombaci M, Pesce E, Favalli A, Lombardi A, Vincenti F, Ongaro J, Fabbris T, Curti S, Martinovic M, Toccafondi M, Lorenzo M, Critelli A, Clemente F, Crosti M, Samicola ML, Martinelli M, La Sala L, Espadas A, Donnici L, Borghi MO, De Feo T, De Francesco R, Prati D, Meroni PL, Notarbartolo S, Geginat J, Gori A, Bandera A, **Abrignani S**, Grifantini R. "Tracking the immune response profiles elicited by the BNT162b2 vaccine in COVID-19 unexperienced and experienced individuals". *Clin Immunol*. 2024 Feb 28;261:110164.
9. Pulvirenti N, Silvestri Y, Clemente F, Bosotti R, Carelli E, Moschetti G, Gruarin P, Vasco C, Crosti MC, Samicola ML, Valenti L, Prati D, **Abrignani S**, Geginat J. "Characterization of human CD4+ EOMES+ GzmK+ T-cell subsets unveils an uncoupling of suppressive functions from IL-10-producing capacities". *Eur J Immunol*. 2024 Feb 23:e2350675.
10. Rossi RL, Elia D, Torre O, Cassandro R, Caminati A, Bulgheroni E, Carelli E, Vasco C, **Abrignani S**, Geginat J, Harari S. "Identification of Lymphangiomyomatosis-associated Serum MicroRNAs". *Am J Respir Cell Mol Biol*. 2024 Feb;70(2):146-148.
11. Gobbini A, Bandera A, Grifantini R, **Abrignani S**, Notarbartolo S. "Protocol for the detection of defined T cell clones in a heterogeneous cell population". *STAR Protoc*. 2024 Mar 15;5(1):102787.
12. Pesce E, Bombaci M, Croci S, Bonacini M, Marvisi C, Ricordi C, Monti S, Muratore F, **Abrignani S**, Caporali R, Borghi MO, Salvarani C, Villiger PM, Grifantini R, Meroni PL. "Identification of two autoantigens recognised by circulating autoantibodies as potential biomarkers for diagnosing giant cell arteritis". *Clin Exp Rheumatol*. 2024 Jul;42(7):1317-1320.

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13. Fedele G, Schiavoni I, Trentini F, Leone P, Olivetta E, Fallucca A, Fiore S, Di Martino A, **Abrignani S**, Baldo V, Baldovin T, Bandera A, Clerici P, De Paschale M, Diaco F, Domnich A, Fortunato F, Giberti I, Gori A, Grifantini R, Lazzarotto T, Lodi V, Mastroianni CM, Prato R, Restivo V, Vitale F, Brusaferrero S, Merler S, Palamara AT, Stefanelli P; Study Group for the Immunological Monitoring post Covid19 vaccination. A 12-month follow-up of the immune response to SARS-CoV-2 primary vaccination: evidence from a real-world study. *Front Immunol*. 2023 Nov 20;14:1272119.
14. Silvestri Y, Clemente F, Moschetti G, Maioli S, Carelli E, Espadas de Arias A, Torelli R, Longhi E, De Feo T, Crosti M, Samicola ML, Salvi M, Mantovani G, Arosio M, Bombaci M, Pesce E, Grifantini R, **Abrignani S**, Geginat J, Muller I. "SARS-COV-2 specific t-cells in patients with thyroid disorders related to COVID-19 are enriched in the thyroid and acquire a tissue-resident memory phenotype". *Clin Immunol*. 2023 Sep;254:109684.
15. Paroni M, Leccese G, Ranzani V, Moschetti G, Chiara M, Perillo F, Ferri S, Clemente F, Noviello D, Conforti FS, Ferrero S, Karnani B, Bosotti R, Vasco C, Curti S, Crosti MC, Gruarin P, Rossetti G, Conte MP, Vecchi M, Pagani M, Landini P, Facciotti F, **Abrignani S**, Caprioli F, Geginat J. "An intestinal Th17 subset is associated with inflammation in Crohn's Disease and activated by adherent-invasive Escherichia coli (AIEC)". *J Crohns Colitis*. 2023 Jul 18;jjad119.
16. Pesce E, Cordiglieri C, Bombaci M, Eppenberger-Castori S, Oliveto S, Manara C, Crosti M, Ercan C, Coto M, Gobbini A, Campagnoli S, Donnarumma T, Martinelli M, Bevilacqua V, De Camilli E, Gruarin P, Samicola ML, Cassinotti E, Baldari L, Viale G, Biffo S, **Abrignani S**, Terracciano LM, Grifantini R. "TMEM123 a key player in immune surveillance of colorectal cancer." *Front Immunol*. 2023 Jun 23;14:1194087.
17. Geginat J, Vasco C, Gruarin P, Bonnal R, Rossetti G, Silvestri Y, Carelli E, Pulvirenti N, Scantamburlo M, Moschetti G, Clemente F, Grassi F, Monticelli S, Pagani M, **Abrignani S**. "Eomesodermin-expressing type 1 regulatory (EOMES+ Tr1)-like T cells: Basic biology and role in immune-mediated diseases". *Eur J Immunol*. 2023 May;53(5):e2149775..
18. Amodio V, Lamba S, Chilà R, Cattaneo CM, Mussolin B, Corti G, Rospo G, Berrino E, Tripodo C, Pisati F, Bartolini A, Aquilano MC, Marsoni S, Mauri G, Marchiò C, **Abrignani S**, Di Nicolantonio F, Germano G, Bardelli A. "Genetic and pharmacological modulation of DNA mismatch repair heterogeneous tumors promotes immune surveillance". *Cancer Cell*. 2023 Jan 9;41(1):196-209.e5.

19. Miluzio A, Cuomo A, Cordiglieri C, Donnici L, Pesce E, Bombaci M, Conti M, Fasciani A, Terracciano L, Manganaro L, Toccafondi M, Scagliola A, Oliveto S, Ricciardi S, Grifantini R, De Francesco R, **Abrignani S**, Manfrini N, Biffo S. "Mapping of functional SARS-CoV-2 receptors in human lungs establishes differences in variant binding and SLC1A5 as a viral entry modulator of hACE2". *EBioMedicine*. 2023 Jan;87:104390.

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20. Fedele G, Trentini F, Schiavoni I, **Abrignani S**, Antonelli G, Baldo V, Baldovin T, Bandera A, Bonura F, Clerici P, De Paschale M, Fortunato F, Gori A, Grifantini R, Icardi G, Lazzarotto T, Lodi V, Mastroianni CM, Orsi A, Prato R, Restivo V, Carsetti R, Piano Mortari E, Leone P, Olivetta E, Fiore S, Di Martino A, Brusaferrero S, Merler S, Palamara AT, Stefanelli P. "Evaluation of humoral and cellular response to four vaccines against COVID-19 in different age groups: A longitudinal study". *Front Immunol*. 2022 Oct 31;13:1021396.
21. (***) Notarbartolo S, **Abrignani S**. "Human T lymphocytes at tumor sites." *Semin Immunopathol*. 2022 Nov;44(6):883-901.
22. Borghi MO, Bombaci M, Bodio C, Lonati PA, Gobbini A, Lorenzo M, Torresani E, Dubini A, Bulgarelli I, Solari F, Pregnolato F, Bandera A, Gori A, Parati G, **Abrignani S**, Grifantini R, Meroni PL. "Anti-Phospholipid Antibodies and Coronavirus Disease 2019: Vaccination Does Not Trigger Early Autoantibody Production in Healthcare Workers". *Front Immunol*. 2022 Jul 15;13:930074.
23. Moschetti G, Vasco C, Clemente F, Galeota E, Carbonara M, Pluderer M, Locatelli M, Stocchetti N, **Abrignani S**, Zanier ER, Ortolano F, Zoerle T, Geginat J. "Deep Phenotyping of T-Cells Derived From the Aneurysm Wall in a Pediatric Case of Subarachnoid Hemorrhage". *Front Immunol*. 2022 May 31;13:866558.
24. (***) Favalli A, Favalli EG, Gobbini A, Zagato E, Bombaci M, Maioli G, Pesce E, Donnici L, Gruarin P, Biggioggero M, Curti S, Manganaro L, Marchisio E, Bevilacqua V, Martinovic M, Fabbris T, Samicola ML, Crosti MC, Marongiu L, Granucci F, Notarbartolo S, Bandera A, Gori A, De Francesco R, **Abrignani S**, Caporali R, Grifantini R. "Immunosuppressant Treatment in Rheumatic Musculoskeletal Diseases Does Not Inhibit Elicitation of Humoral Response to SARS-CoV-2 Infection and Preserves Effector Immune Cell Population". *Front Immunol*. 2022 Jun 10;13:873195.
25. Favalli EG, Gobbini A, Bombaci M, Maioli G, Biggioggero M, Pesce E, Favalli A, Martinovic M, Fabbris T, Marchisio E, Bandiera A, Gori A, **Abrignani S**, Grifantini R, Caporali R. "The Impact of Anti-rheumatic Drugs on the Seroprevalence of Anti-SARS-CoV-2 Antibodies in a Cohort of Patients With Inflammatory Arthritis: The MAINSTREAM Study". *Front Med (Lausanne)*. 2022 Mar 11;9:850858.
26. Lenti E, Genovese L, Bianchessi S, Maurizio A, Sain SB, di Lillo A, Mattavelli G, Harel I, Bernassola F, Hehlhans T, Pfeffer K, Crosti M, **Abrignani S**, Evans SM, Sitia G, Guimarães-Camboa N, Russo V, van de Pavert SA, Garcia-Manteiga JM, Brendolan A. "Fate mapping and scRNA sequencing reveal origin and diversity of lymph node stromal precursors". *Immunity*. 2022 Apr 12;55(4):606-622.e6.
27. (***) Marasca F, Sinha S, Vadalà R, Polimeni B, Ranzani V, Paraboschi E, Burattin FV, Ghilotti M, Crosti MC, Negri ML, Campagnoli S, Notarbartolo S, Bianchi AS, Siena S, Prati D, Montini G, Viale G, Torre O, Harari S, Grifantini R, Soldà G, Biffo S, **Abrignani S**, Bodega B. "LINE1 elements are spliced in non-canonical transcript variants to control gene expression in human T cell quiescence and exhaustion". *Nat Genet*. 2022 Feb;54(2):180-193.
28. Pesce E, Manfrini N, Cordiglieri C, Santi S, Bandera A, Gobbini A, Gruarin P, Favalli A, Bombaci M, Cuomo A, Collino F, Cricri G, Ungaro R, Lombardi A, Mangioni D, Muscatello A, Aliberti S, Blasi F, Gori A, **Abrignani S**, De Francesco R, Biffo S, Grifantini R. "Exosomes Recovered From the Plasma of COVID-19 Patients Expose SARS-CoV-2 Spike-Derived Fragments and Contribute to the Adaptive Immune Response". *Front Immunol*. 2022 Jan 17;12:785941.
29. Elia D, Torre O, Vasco C, Geginat J, **Abrignani S**, Bulgheroni E, Carelli E, Cassandro R, Pacheco-Rodriguez G, Steagall WK, Moss J, Harari S. "Pulmonary Langerhans cell histiocytosis (PLCH) and lymphangiomyomatosis (LAM) have circulating cells with loss of heterozygosity of the TSC2 gene". *Chest*. 2022 Feb 26:S0012-3692(22)00398-1.
30. Lonati PA, Bodio C, Scavone M, Martini G, Pesce E, Bandera A, Lombardi A, Gerosa M, Franceschini F, Tincani A, Podda G, **Abrignani S**, Grifantini R, Cattaneo M, Borghi MO, Meroni PL. "Production of anti-PF4 antibodies in antiphospholipid antibody-positive patients is not affected by COVID-19 vaccination". *RMD Open*. 2022 Feb;8(1):e001902.
31. Amatu A, Pani A, Patelli G, Gagliardi OM, Loparco M, Piscazzi D, Cassingena A, Tosi F, Ghezzi S, Campisi D, Grifantini R, **Abrignani S**, Siena S, Scaglione F, Sartore-Bianchi A. "Impaired seroconversion after

SARS-CoV-2 mRNA vaccines in patients with solid tumours receiving anticancer treatment". *Eur J Cancer*. 2022 Mar;163:16-25.

32. Lombardi A, Butta GM, Donnici L, Bozzi G, Oggioni M, Bono P, Matera M, Consonni D, Ludovisi S, Muscatello A, Ceriotti F, Conti M, Scaglioni S, Gallo G, Scarpa E, Letko M, **Abrignani S**, Grifantini R, De Francesco R, Gori A, Manganaro L, Bandera A. "Anti-spike antibodies and neutralising antibody activity in people living with HIV vaccinated with COVID-19 mRNA-1273 vaccine: a prospective single-centre cohort study". *Lancet Reg Health Eur*. 2022 Feb;13:100287.
33. Marongiu L, Protti G, Facchini FA, Valache M, Mingozzi F, Ranzani V, Putignano AR, Salviati L, Bevilacqua V, Curti S, Crosti M, Sarnicola ML, D'Angiò M, Bettini LR, Biondi A, Nespoli L, Tamini N, Clementi N, Mancini N, **Abrignani S**, Spreafico R, Granucci F. "Maturation signatures of conventional dendritic cell subtypes in COVID-19 suggest direct viral sensing". *Eur J Immunol*. 2022 Jan;52(1):109-122.

2021

34. De Ponte Conti B, Miluzio A, Grassi F, **Abrignani S**, Biffo S, Ricciardi S. "mTOR- dependent translation drives tumor infiltrating CD8+ effector and CD4+ Treg cells expansion". *Elife*. 2021 Nov 17;10:e69015.
35. Cossarizza A, Chang HD, Radbruch A, **Abrignani S**, et al. "Guidelines for the use of flow cytometry and cell sorting in immunological studies (third edition)". *Eur J Immunol*. 2021 Dec;51(12):2708-3145.
36. De Simone M, Chirichella M, Emming S, Mazzara S, Ranzani V, Gruarin P, Moschetti G, Pulvirenti N, Maglie S, Vasco C, Crosti MC, Rossetti G, Pagani M, **Abrignani S**, Monticelli S, Geginat J. "Ex vivo microRNA and gene expression profiling of human Tr1-like cells suggests a role for miR-92a and -125a in the regulation of EOMES and IL-10R". *Eur J Immunol*. 2021 Dec;51(12):3243-3246.
37. (***) Notarbartolo S, Ranzani V, Bandera A, Gruarin P, Bevilacqua V, Putignano AR, Gobbini A, Galeota E, Manara C, Bombaci M, Pesce E, Zagato E, Favalli A, Sarnicola ML, Curti S, Crosti M, Martinovic M, Fabbris T, Marini F, Donnici L, Lorenzo M, Mancino M, Ungaro R, Lombardi A, Mangioni D, Muscatello A, Aliberti S, Blasi F, De Feo T, Prati D, Manganaro L, Granucci F, Lanzavecchia A, De Francesco R, Gori A, Grifantini R, **Abrignani S**. "Integrated longitudinal immunophenotypic, transcriptional and repertoire analyses delineate immune responses in COVID-19 patients". *Sci Immunol*. 2021 Aug 10;6(62):eabg5021.
38. Poli A, Abdul-Hamid S, Zaurito AE, Campagnoli F, Bevilacqua V, Sheth B, Fiume R, Pagani M, **Abrignani S**, Divecha N. "PIP4Ks impact on PI3K, FOXP3, and UHRF1 signaling and modulate human regulatory T cell proliferation and immunosuppressive activity". *Proc Natl Acad Sci U S A*. 2021 Aug 3;118(31):e2010053118.
39. (***) Bonnal RJP, Rossetti G, Lugli E, De Simone M, Gruarin P, Brummelman J, Drufuca L, Passaro M, Bason R, Gervasoni F, Della Chiara G, D'Oria C, Martinovic M, Curti S, Ranzani V, Cordiglieri C, Alvisi G, Mazza E, Oliveto S, Silvestri Y, Carelli E, Mazzara S, Bosotti R, Sarnicola ML, Godano C, Bevilacqua V, Lorenzo M, Siena S, Bonoldi E, Sartore-Bianchi A, Amatu A, Veronesi G, Novellis P, Alloisio M, Giani A, Zucchini N, Opocher E, Pisani Ceretti A, Mariani N, Biffo S, Prati D, Bardelli A, Geginat J, Lanzavecchia A, **Abrignani S**, Pagani M. "Clonally expanded EOMES+ Tr1-like cells in primary and metastatic tumors associate with disease progression". *Nat Immunol*. 2021 Jun;22(6):735-745.
40. Fontana C, Marasca F, Provitera L, Mancinelli S, Pesenti N, Sinha S, Passera S, **Abrignani S**, Mosca F, Lodato S, Bodega B, Fumagalli M. "Early maternal care restores LINE-1 methylation and enhances neurodevelopment in preterm infants" *BMC Med*. 2021 Feb 5;19(1):42.

2020

41. Pammolli F, Righetto L, **Abrignani S**, Pani L, Pelicci PG, Rabosio E. "The endless frontier? The recent increase of R&D productivity in pharmaceuticals". *J Transl Med*. 2020 Apr 9;18(1):162.
42. Coletta M, Paroni M, Alvisi MF, De Luca M, Rulli E, Mazza S, Facciotti F, Lattanzi G, Strati F, **Abrignani S**, Fantini MC, Vecchi M, Geginat J, Caprioli F. "Immunological variables associated with clinical and endoscopic response to vedolizumab in patients with inflammatory bowel diseases." *J Crohns Colitis*. 2020 Feb 26;jaa035.
43. Magri A, Germano G, Lorenzato A, Lamba S, Chilà R, Montone M, Amodio V, Ceruti T, Sassi F, Arena S, **Abrignani S**, D'Incalci M, Zucchetti M, Di Nicolantonio F, Bardelli A. "High-dose vitamin C enhances cancer immunotherapy." *Sci Transl Med*. 2020 Feb 26;12(532).
44. Facciotti F, Larghi P, Bosotti R, Vasco C, Gagliani N, Cordiglieri C, Mazzara S, Ranzani V, Rottoli E, Curti S, Penatti A, Kamani B, Kobayashi Y, Crosti M, Bombaci M, van Hamburg JP, Rossetti G, Gualtierotti R, Gerosa M, Gatti S, Torretta S, Pignataro L, Tas SW, **Abrignani S**, Pagani M, Grassi F, Meroni PL, Flavell RA, and Geginat J. "Evidence for a pathogenic role of extrafollicular, IL-10-producing CCR6+B helper T

cells in systemic lupus erythematosus". PNAS USA. 2020 Mar 31;117(13):7305-7316.

45. Arena S, Corti G, Durinikova E, Montone M, Reilly NM, Russo M, Lorenzato A, Arcella P, Lazzari L, Rospo G, Pagani M, Cancelliere C, Negrino C, Isella C, Bartolini A, Cassingena A, Amatu A, Mauri G, Sartore-Bianchi A, Mittica G, Medico E, Marsoni S, Linnebacher M, **Abrignani S**, Siena S, Di Nicolantonio F, Bardelli A. "A subset of colorectal cancers with cross-sensitivity to olaparib and oxaliplatin". Clin Cancer Res. 2020 Mar 15;26(6):1372-1384.

2019

46. Geginat J, Vasco M, Gerosa M, Tas SW, Pagani M, Grassi F, Flavell RA, Meroni P, **Abrignani S**. "IL-10 producing regulatory and helper T-cells in systemic lupus erythematosus". Semin Immunol. 2019 Aug;44:101330.
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48. (***) Bombaci M, Pesce E, Torri A, Carpi A, Crosti M, Lanzafame M, Cordiglieri C, Sinisi A, Moro M, Bernuzzi F, Gerussi A, Geginat J, Muratori L, Terracciano L, Invernizzi P, **Abrignani S**, Grifantini R. "Novel biomarkers for Primary Biliary Cholangitis to improve diagnosis and understand underlying regulatory mechanisms". liver Int. 2019 Nov;39(11):2124-2135.

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Brevetti sottomessi e brevetti
rilasciati

Titolo brevetto	Anno di priorità	N° domanda di brevetto	Nazione	Anno di Rilascio	N° di brevetto
Cancer treatment	2016	PCT/EP/2017/061642	Fase PCT		
Biomarkers for autoimmune liver diseases and uses thereof	2011	14125128	USA		
		2837522	CANADA		
		2012269083	AUSTRALIA	2016	2012269083
		127336154	EUROPA	2016	2721413
Prion chimeras and uses thereof Eliciting HCV specific antibodies	2003	2003279088	AUSTRALIA		
	1999	US12/001,920	USA		
Intracellular production of hepatitis C E1 and E2 truncated polypeptides	1997	10371040	USA	2008	US7429385 B2
Hepatitis C Receptor Protein Cd81	1997	EP1021534 A1	EUROPA		
		WO1999018198A1	USA	2006	US7097987 B2
Hepatitis C virus E2 binding protein	1995	11/372,935	USA	2008	US7320875 B2
T cell activation by cytokine combinations	1994	1995927917	EUROPA	2009	EP0772677 B1
		JP2006312640 A	JAPAN		
		2197801	CANADA		
		US2005/0281793 A1	USA		
Assay To Detect HCV Receptor Binding	1994	95927918.3	EU	2008	EP0723665 B2
		2174212 A	CANADA	2003	2174212 C
		DE1995632498	DENMARK	2004	69532498 D1
		1995/031894 A	AUSTRALIA		
		US11/784,521 2004004113 A	USA JAPAN	2008	JP4117230 B2

Finanziamenti competitivi degli
ultimi 10 anni

Titolo Progetto	Fonte del Finanziamento	Mia quota (EUR)	Periodo	Ruolo
"Innate and adaptive immunity in COVID-19: from mechanisms to patients"	Ministero della Salute	160.000	2020-2021	PI
"MalOMVax: a novel multi-stage and multi-antigen neutralizing vaccine against malaria infections"	Achilles Vaccines	1.500.000	2020-2021	PI
"Impatto dell'infezione di Covid-19 nelle malattie reumatiche croniche trattate con farmaci immunosoppressori (mainstream)"	Regione Lombardia	154.000	2020	PI
"Autoantibodies against specific human self-proteins as new diagnostic and prognostic biomarkers for Giant Cell Arteritis and Polymyalgia Rheumatica"	Ministero della Salute	90.000	2020-2023	PI
"HUNTER: Hepatocellular Carcinoma Expediter Network"	CRUK-AIRC	333.000	2018-2023	PI
"A Proposal To Develop Liquid Biopsies Based On The Identification Of Circulating Tumor-Derived Lymphocytes (Ctdl) To Choose And To Monitor Immunotherapy With Checkpoint Inhibitors"	Menarini	740.000	2017-2020	PI
"Insights into the evolving heterogeneity of metastatic colorectal cancer: from mechanisms to therapies"	AIRC 5x1000	2.335.000	2018-2025	PI
"Immunity in Cancer Spreading and Metastasis"	AIRC 5x1000	879.000	2018-2023	PI
Cluster Tecnologico Nazionale ALISEI: Progetto Medintech CTN01_00177_962865: "Cutting-edge technologies to increase safety and efficacy of drugs and vaccines"	Ministero dell'Istruzione e dell'Università e della Ricerca (MIUR)	994.500	2014-2017	PI
Grant n. 269022: i-MIRNOME - Lymphocyte microRNAs in health and disease: Understanding lymphocyte functions through the identification of microRNA target genes and exploiting serum microRNA signatures to monitor immune responses	ERC Advanced Grant	2.496.000	2011-2016	PI
Grant n. 2009-3603: "Improving vaccines for the developing world by means of new adjuvants potentiating effector and memory responses"	Fondazione Cariplo	489.919	2011-2014	Coordinatore
Grant n. RBAP10TPXK_002: "Eventi cellulari e molecolari nella patogenesi delle infezioni croniche da HBV o HCV"	Ministero dell'Istruzione e dell'Università e Ricerca (MIUR)	343.300	2011-2016	PI
microRNA atlas in peripheral blood lymphocytes	Ministero della Salute e Regione Lombardia	2.000.000	2012-2013	PI
Hepacivac: LSH-2005-1.2.4-2 # 037435	Unione Europea - 6PQ	1.200.000	2005-2011	Coordinatore

Dati personali

Il sottoscritto è a conoscenza che, ai sensi dell'art. 26 della legge 15/68, le dichiarazioni mendaci, la falsità negli atti e l'uso di atti falsi sono puniti ai sensi del codice penale e delle leggi speciali.

Inoltre, il sottoscritto autorizza al trattamento dei dati personali, secondo quanto previsto dalla Legge 196/03.

SERGIO ABRIGNANI

Milano, 16 ottobre 2025