

**FORMATO EUROPEO  
PER IL CURRICULUM  
VITAE**



**INFORMAZIONI PERSONALI**

Nome/Cognome

Indirizzo

Telefono Ufficio

Fax Ufficio

E-mail

CODICE FISCALE

Nazionalità

Data di nascita

Luogo di nascita

ORCID ID

**SERGIO ABRIGNANI**

UNIVERSITÀ DEGLI STUDI DI MILANO - UNIMI

INGM ISTITUTO NAZIONALE GENETICA MOLECOLARE "ROMEO ED ENRICA INVERNIZZI"

PADIGLIONE INVERNIZZI - VIA FRANCESCO SFORZA, 35 – 20122 MILANO

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BRGSRG58H03E974U

Italiana

03 GIUGNO 1958

MARSALA (TP)

0000-0002-0794-3285

**ESPERIENZA LAVORATIVA**

• Date (da - a)

• Nome e indirizzo del datore di lavoro

• Tipo di azienda o settore

• Tipo di impiego

• Date (da – a)

• Nome e indirizzo del datore di lavoro

• Tipo di azienda o settore

• Tipo di impiego

• Date (da – a)

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• Nome e indirizzo del datore di lavoro

• Tipo di azienda o settore

• Tipo di impiego

01 Giugno 2015

**Università degli Studi di Milano** – Via Festa del Perdono, 7 – 20122 Milano

Università

Professore ordinario di Patologia Generale - Dipartimento di Scienze Cliniche e di Comunità (DISCCO)

01 Gennaio 2006

**FONDAZIONE INGM** Istituto Nazionale Genetica Molecolare "Romeo ed Enrica Invernizzi"  
Centro di Ricerca Biomedica finalizzato alla scoperta e allo sviluppo iniziale di nuovi mezzi diagnostici, nuove terapie e vaccini.

Direttore Scientifico

1999-2005

Chiron Corporation, Emeryville (CA), USA

Biotecnologia

Vice Presidente, Dipartimento di ricerca e sviluppo

1994 – 2000

Università di Siena

Scuola di specializzazione in Gastroenterologia, Facoltà di Medicina

Professore a contratto

Aprile 1993 – 1999

Centro Ricerche Chiron - Siena

Biotecnologia

Direttore del Dipartimento di Immunologia e Virologia

- Date (da – a)
- Nome e indirizzo del datore di lavoro
  - Tipo di azienda o settore
  - Tipo di impiego

1990 – Marzo 1992  
Ciba-Geigy, Basilea, Svizzera

Responsabile del Laboratorio Vaccini presso il Dipartimento di Allergia/Immunologia

- Date (da – a)
- Nome e indirizzo del datore di lavoro
  - Tipo di azienda o settore
  - Tipo di impiego

1988 – 1989  
Ciba-Geigy, Basilea, Svizzera

Ricercatore presso il Dipartimento di Allergia/Immunologia

- Date (da – a)
- Nome e indirizzo del datore di lavoro
  - Tipo di azienda o settore
  - Tipo di impiego

1986 – 1987  
Sandoz, Basilea, Svizzera

Ricercatore presso il Dipartimento di Ricerca Preclinica

- Date (da – a)
- Nome e indirizzo del datore di lavoro
  - Tipo di azienda o settore
  - Tipo di impiego

1983 – 1985  
Istituto di Patologia Generale, Facoltà di Medicina, Università di Palermo

Assistente Medico

#### **PREMI E RICONOSCIMENTI**

- Date (da–a)

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”.

- Date (da–a)

2004

Medaglia d'oro al merito della Salute Pubblica, per i suoi studi sul virus dell'epatite C

#### **ISTRUZIONE E FORMAZIONE**

- Date (da – a)
- Nome e tipo di istituto di istruzione o formazione
  - Principali materie / abilità professionali oggetto dello studio
    - Qualifica conseguita
  - Livello nella classificazione nazionale (se pertinente)

1986

Facoltà di Medicina dell'Università di Palermo

Specializzazione in Patologia Generale, votazione 70/70 con lode

- Date (da – a)
- Nome e tipo di istituto di istruzione o formazione
  - Principali materie / abilità professionali oggetto dello studio
    - Qualifica conseguita
  - Livello nella classificazione nazionale (se pertinente)

1982

Facoltà di Medicina dell'Università di Padova

Laurea in medicina, votazione 110/110 con lode

- Date (da – a)
- Nome e tipo di istituto di istruzione o formazione
- Principali materie / abilità professionali oggetto dello studio
- Qualifica conseguita
- Livello nella classificazione nazionale (se pertinente)

## CAPACITÀ E COMPETENZE

### PERSONALI

*Acquisite nel corso della vita e della carriera ma non necessariamente riconosciute da certificati e diplomi ufficiali.*

#### PRIMA LINGUA

1976  
Liceo Classico “Giovanni XXIII”, Marsala (TP)

Maturità Classica

#### ALTRE LINGUE

Autovalutazione  
Livello europeo (\*)

#### ITALIANO

##### Comprensione

Ascolto                      Lettura

##### Parlato

Interazione                  Produzione orale

##### Scritto

#### Inglese

C2 Utente avanzato   C2 Utente avanzato   C2 Utente avanzato   C2 Utente avanzato   C2 Utente avanzato

#### Tedesco

B1 Utente autonomo   B1 Utente autonomo   B1 Utente autonomo   B1 Utente autonomo   B1 Utente autonomo

(\*) Quadro comune europeo di riferimento per le lingue

## ALTRE ATTIVITÀ PROFESSIONALI

### Board of Directors: not for profit institutions

2015	Università La Sapienza, Roma	Membro del Consiglio di Amministrazione
2006 –	Fondazione INGM, Milano	Membro del Consiglio di Amministrazione
2015 –	Sclavo Vaccine Associations, Siena	Membro del Consiglio di Amministrazione
2017 –	Fondazione Carlo Erba, Milano	Membro del Consiglio di Amministrazione

### Companies

2015 –	Impact Lab Srl, Milano	Membro del Consiglio di Amministrazione
2018 –	Check mAb Srl, Milano	Membro del Consiglio di Amministrazione

### Advisory Board membership

2013 –	Fondazione Regionale per la Ricerca Biomedica – FRRB, Milano	Membro del Comitato Tecnico Scientifico
2013 -	IRCCS Ospedale Policlinico, Milano	Membro del Comitato Etico
2016 –	Toscana Life Sciences, Siena	Membro del Comitato Tecnico Scientifico
2018-	Ministero della Salute, Roma	Membro del Comitato Tecnico Sanitario

## ULTERIORI INFORMAZIONI

“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

### Pubblicazioni

H index secondo Google Scholar: **64**

Totale citazioni secondo Google Scholar: 14675

	Tutte	Dal 2013
Citazioni	14675	4994
H index	64	39

**(\*\*) indica che Sergio Abrignani è corresponding author**

### 2018

1. Ricciardi S, Manfrini N, Alfieri R, Calamita P, Crosti MC, Simone G, Müller R, Pagani M, **Abrignani S**, Biffo S “The Translational Machinery of Human CD4+ T Cells Is Poised for Activation and Controls the Switch from Quiescence to Metabolic Remodeling”. *Cell Metab.* 2018 Aug 29. pii: S1550-4131(18)30510-2. doi: 10.1016/j.cmet.2018.08.009. [Epub ahead of print]
2. Costanzo V, Bardelli A, Siena S, **Abrignani S**. “Exploring the links between cancer and placenta development”. *Open Biology.* 2018 Jun 27. DOI: 10.1098/rsob.180081
3. Alfen JS, Larghi P, Facciotti F, Gagliani N, Bosotti R, Paroni M, Maglie S, Guarini P, Vasco CM, Ranzani V, Frusteri C, Iseppon A, Moro M, Crosti MC, Gatti S, Pagani M, Caprioli F, **Abrignani S**, Flavell RA, Geginat J. “Intestinal IFN- $\gamma$ -producing Tr1-cells co-express CCR5 and PD-1, and down regulate IL-10 in the inflamed gut of IBD patients”. *J Allergy Clin Immunol.* 2018 Jan 21. pii: S0091-6749(18)30078-2. doi: 10.1016/j.jaci.2017.12.984. [Epub ahead of print]

### 2017

4. **(\*\*)** Ripamonti A, Provasi E, Lorenzo M, De Simone M, Ranzani V, Vangelisti S, Curti S, Bonnal RJP, Torretta S, Geginat, Tossetti G, Pagani M, **Abrignani S**. “Repression of miR-31 by BCL6 stabilizes the helper function of human follicular helper T cells”. *PNAS* 2017; 114(48):12797-12802.
5. Cano-Rodriguez D, Campagnoli S, Grandi A, Parri M, Camilli E, Song C, Jin B, Lacombe A, Pierleoni A, Bombaci M, Cordiglieri C, Ruiters MH, Viale G, Terracciano L, Sarmientos P, **Abrignani S**, Grandi G, Pileri P, Rots MG, Grifantini R. “TCTN2: a novel tumor marker with oncogenic properties”. *Oncotarget.* 2017 Aug 24;8(56):95256-95269.

6. Ferlito C, Barnaba V, **Abrignani S**, Bombaci M, Sette A, Sidney J, Biselli R, Tomao E, Cattaruzza MS, Germano V, Biondo MI, Salerno G, Lulli P, Caporuscio S, Diamanti AP, Falco M, Biselli V, Cardelli P, Autore A, Lucertini E, Pompeo De Cesare DP, Peragallo MS, Lista F, Martire C, Salemi S, Nisini R, D'Amelio R. „Lack of evidence for post-vaccine onset of autoimmune/lymphoproliferative disorders, during a nine-month follow-up in multiply vaccinated Italian military personnel“. *Clin Immunol*.2017 Aug;181:60-66.
7. Geginat J, Paroni M, Pagani M, Galimberti D, De Francesco R, Scarpini E, **Abrignani S**. „The Enigmatic Role of Viruses in Multiple Sclerosis: Molecular Mimicry or Disturbed Immune Surveillance?“ *Trends Immunol*. 2017 Jul;38(7):498-512.
8. Penatti A, Facciotti F, De Matteis R, Larghi P, Paroni M, Murgo A, De Lucia O, Pagani M, Pierannunzi L, Truzzi M, Ioan-Facsinay A, **Abrignani S**, Geginat J, Meroni PL. „Differences in serum and synovial CD4+ T cells and cytokine profiles to stratify patients with inflammatory osteoarthritis and rheumatoid arthritis“. *Arthritis Res Ther*. 2017 May 19;19(1):103.
9. Paroni M, Maltese V, De Simone M, Ranzani V, Larghi P, Fenoglio C, Pietroboni AM, De Riz MA, Crosti MC, Maglie S, Moro M, Caprioli F, Rossi R, Rossetti G, Galimberti D, Pagani M, Scarpini E, **Abrignani S**, Geginat J. „Recognition of viral and self-antigens by TH1 and TH1/TH17 central memory cells in patients with multiple sclerosis reveals distinct roles in immune surveillance and relapses“. *J Allergy Clin Immunol*. 2017 Sep;140(3):797-808.
10. Mazzara S, Rossi RL, Grifantini R, Donizetti S, **Abrignani S**, Bombaci M. „CombiROC: an interactive web tool for selecting accurate marker combinations of omics data“. *Sci Rep*. 2017 Mar 30;7:45477.
11. Ranzani V, Arrigoni A, Rossetti G, Panzeri I, **Abrignani S**, Bonnal RJ, Pagani M. „Next-Generation Sequencing Analysis of Long Noncoding RNAs in CD4+ T Cell Differentiation“. *Methods Mol Biol*. 2017;1514:173-185.
12. (\*\*) Torri A, Carpi D, Bulgheroni E, Crosti MC, Moro M, Guarini P, Rossi RL, Rossetti G, Di Vizio D, Hoxha M, Bollati V, Gagliani C, Tacchetti C, Paroni M, Geginat J, Corti L, Venegoni L, Berti E, Pagani M, Matarese G, **Abrignani S**, de Candia P. „Extracellular microRNA signature of human helper T cell subsets in health and autoimmunity.“ *J Biol Chem*. 2017 Feb 17; 292(7): 2903-2915.

## 2016

13. Fedeli M, Riba M, Garcia Manteiga JM, Tian L, Viganò V, Rossetti G, Pagani M, Xiao C, Liston A, Stupka E, Cittaro D, **Abrignani S**, Provero P, Dellabona P, Casorati G. „miR-17~92 family clusters control iNKT cell ontogenesis via modulation of TGF- $\beta$  signaling“. *Proc. Natl. Acad. Sci. U S A*. 2016 Dec 20;113(51):E8286-E8295.
14. (\*\*) De Simone M, Arrigoni A, Rossetti G, Guarini P, Ranzani V, Politano C1, Bonnal RJP, Provasi E, Sarnicola M, Panzeri I, Moro M, Crosti M, Mazzara S, Vaira V, Bosari S, Palleschi A, Santambrogio L, Bovo G, Zucchini N, Totis M, Gianotti L, Cesana G, Perego R, Maroni N, Pisani Ceretti A, Opocher E, De Francesco R, Geginat J, Stunnenberg HG, **Abrignani S**, Pagani M. “Transcriptional landscape of human tissue lymphocytes unveils uniqueness of tumor-infiltrating T regulatory cells“ *Immunity*. 2016 Nov 15;45(5):1135-1147
15. Stunnenberg HG; International Human Epigenome Consortium, Hirst M. “The International Human Epigenome Consortium: A Blueprint for Scientific Collaboration and Discovery“ *Cell*. 2016 Nov 17;167(5):1145-1149.

16. Geginat J, Paroni M, Kastirr I, Larghi P, Pagani M, **Abrignani S**. „Reverse plasticity: TGF- $\beta$  and IL-6 induce Th1-to-Th17-cell transdifferentiation in the gut“. *Eur J Immunol*. 2016 Oct;46(10):2306-2310.
  17. Arrigoni A, Ranzani V, Rossetti G, Panzeri I, **Abrignani S**, Bonnal RJ, Pagani M. „Analysis RNA-seq and Noncoding RNA“ *Methods Mol Biol*. 2016;1480:125-35.
  18. Paroni M, Magarotto A, Tartari S, Nizzoli G, Larghi P, Ercoli G, Gianelli U, Pagani M, Elli L, **Abrignani S**, Conte D, Geginat, Caprioli F. „Uncontrolled IL-17 Production by Intraepithelial Lymphocytes in a Case of non-IPEX Autoimmune Enteropathy.“ *Clin Transl Gastroenterol*. 2016 Jul 14;7(7):e182.
  19. Nizzoli G, Larghi P, Paroni M, Crosti MC, Moro M, Neddermann P, Caprioli F, Pagani M, De Francesco R, **Abrignani S**, Geginat J. „IL-10 promotes homeostatic proliferation of human CD8+ memory T cells and, when produced by CD1c+ DCs, shapes naive CD8+ T-cell priming“ *Eur J Immunol*. 2016 Jul;46(7):1622-32.
  20. Geginat J, Larghi P, Paroni M, Nizzoli G, Penatti A, Pagani M, Gagliani N, Meroni P, **Abrignani S**, Flavell RA. “The light and the dark sides of Interleukin-10 in immune-mediated diseases and cancer“ *Cytokine Growth Factor Rev*. 2016 Aug;30:87-93.
  21. (\*\*) de Candia P, Torri A, Fedeli M, Viganò V, Carpi D, Gorletta T, Casorati G, Pagani M, Dellabona P, **Abrignani S**. “The circulating microRNome demonstrates distinct lymphocyte subset-dependent signatures“. *Eur J Immunol*. 2016 Mar;46(3):725-31
  22. Facciotti F, Gagliani N, Häring B, Alfen JS, Penatti A, Maglie S, Paroni M, Iseppon A, Moro M, Crosti MC, Stölzel K, Romagnani C, Moroni G, Ingegnoli F, Torretta S, Pignataro L, Annoni A, Russo F, Pagani M, **Abrignani S**, Meroni P, Flavell R, Geginat J. “IL-10-producing forkhead box protein 3-negative regulatory T cells inhibit B-cell responses and are involved in systemic lupus erythematosus“. *J Allergy Clin Immunol*. 2016 Jan;137(1):318-321.
  23. Marabita F, de Candia P, Torri A, Tegnér J, **Abrignani S**, Rossi RL. “Normalization of circulating microRNA expression data obtained by quantitative real-time RT-PCR.“ *Brief Bioinform*. 2016 Mar;17(2):204-12.
- 2015**
24. Kastirr I, Crosti MC, Maglie S, Paroni M, Steckel B, Moro M, Pagani M, **Abrignani S**, Geginat J “Signal Strength and Metabolic Requirements Control Cytokine-Induced Th17 Differentiation of Uncommitted Human T Cells” *J Immunol*. 2015 Oct 15;195(8):3617-27.
  25. Panzeri I, Rossetti G, **Abrignani S**, Pagani M “Long Intergenic Non-Coding RNAs: Novel Drivers of Human Lymphocyte Differentiation“. *Front Immunol*. 2015 Apr 15;6:175.
  26. Geginat J, Nizzoli G, Paroni M, Maglie S, Larghi P, Pascolo S, **Abrignani S**. “Immunity to Pathogens Taught by Specialized Human Dendritic Cell Subsets“. *Front Immunol*. 2015 Oct 13;6:527.
  27. Sefer R, Reed SG, O'Hagan D, Malyala P, Doro U, Laera D, **Abrignani S**, Cerundolo V, Steinman L, Bertholet S. „Gaps in knowledge and prospects for research of adjuvanted vaccines“. *Vaccine*. 2015 Jun 8;33 Suppl 2:B40-3. doi: 10.1016/j.vaccine.2015.03.057.
  28. Bonnal RJ, Ranzani V, Arrigoni A, Curti S, Panzeri I, Gruarin P, **Abrignani S**, Rossetti G, Pagani M. “De novo transcriptome profiling of highly purified human

lymphocytes primary cells." *Sci Data*. 2015 Sep 29;2:150051.

29. Cheroni C, Donnici L, Aghemo A, Balistreri F, Bianco A, Zanoni V, Pagani M, Soffredini R, D'Ambrosio R, Rumi MG, Colombo M, **Abrignani S**, Neddermann P, De Francesco R. "Hepatitis C Virus Deletion Mutants Are Found in Individuals Chronically Infected with Genotype 1 Hepatitis C Virus in Association with Age, High Viral Load and Liver Inflammatory Activity." *PLoS One*. 2015 Sep 25;10(9):e0138546.
30. Mazzara S, Sinisi A, Cardaci A, Rossi RL, Muratori L, **Abrignani S**, Bombaci M. "Two of Them Do It Better: Novel Serum Biomarkers Improve Autoimmune Hepatitis Diagnosis". *PLoS One*. 2015 Sep 16;10(9):e0137927
31. Bonnal R JP, Rossi RL, Carpi D, Ranzani V, **Abrignani S**, Pagani M. "miRiadne: a web tool for consistent integration of miRNA nomenclature" *Nucleic Acids Res*. 2015 Jul 1;43(W1):W487-92.
32. (\*\*) Ranzani V, Rossetti G, Panzeri I, Arrigoni A, Bonnal RJP, Curti S, Provasi E, Sugliano E, De Francesco R, Geginat J, Bodega B, **Abrignani S**, Pagani M. "LincRNAs landscape in human lymphocytes highlights regulation of T cell differentiation by linc-MAF-4". *Nat Immunol*. 2015 Mar;16(3):318-25.

## 2014

33. (\*\*) Geginat J, Paroni M, Maglie S, Alfen JS, Kastirr I, Gruarin P, DeSimone M, Pagani M, **Abrignani S**. "Plasticity of human CD4 T cell subsets". *Front. Immunol*. 2014, 5:630.
34. (\*\*) de Candia P, Torri A, Pagani M, **Abrignani S** "Serum microRNAs as biomarkers of human lymphocyte activation in health and disease" *Frontiers in Immunology*, 2013; 10:5-43.
35. Reghellin V, Donnici L, Fenu S, Berno V, Calabrese V, Pagani M, **Abrignani S**, Peri F, De Francesco R, Neddermann P. "NS5A inhibitors impair NS5A- PI4KIIIa complex formation and cause a decrease of PI4P and cholesterol levels in HCV-associated membranes." *Antimicrob Agents Chemother*. 2014 Dec;58(12):7128-40.
36. Kastirr I, Maglie S, Paroni M, Alfen JS, Nizzoli G, Sugliano E, Crosti MC, Moro M, Steckel B, Steinfeld S, Stölzel K, Romagnani C, Botti F, Caprioli F, Pagani M, **Abrignani S**, Geginat J "IL-21 Is a Central Memory T Cell-Associated Cytokine That Inhibits the Generation of Pathogenic Th1/17 Effector Cells" *J Immunol*. 2014 Oct 1;193(7):3322-31.
37. (\*\*) Dellabona P, **Abrignani S**, Casorati G "iNKT cell help to B cells: a cooperative job between innate and adaptive immune responses". *European Journal of Immunology*, 2014; 44(8):2230-7.
38. (\*\*) Zingaretti C, De Francesco R, **Abrignani S**, "Why it is so difficult to develop an HCV preventive vaccine?". *Clinical Microbiology and Infection*, 2014 May; 20 Suppl. 5:103-9.
39. Colombatto P, Brunetto MR, Maina AM, Romagnoli V, Almasio P, Rumi MG, Ascione A, Pinzello G, Mondelli M, Muratori L, Rappuoli R, Rosa D, Houghton M, **Abrignani S**, Bonino F. "HCV E1E2-MF59 vaccine in chronic hepatitis C patients treated with PEG-IFN $\alpha$ 2a and Ribavirin: a randomized controlled trial". *J Viral Hepat*. 2014 Jul;21(7):458-65. doi: 10.1111/jvh.12163. Epub 2013 Aug 27.
40. Bottai D, Scesa G, Cigognini D, Adami R, Nicora E, **Abrignani S**, Di Giulio AM, Gorio A. "Third trimester NG2-positive amniotic fluid cells are effective in

## 2013

41. (\*\*) de Candia P, Torri A, Gorletta T, Fedeli M, Bulgheroni E, Cheroni C, Marabita F, Crosti M, Moro M, Pariani E, Romanò L, Esposito S, Mosca F, Rossetti G, Rossi RL, Geginat J, Casorati G, Dellabona P, Pagani M, **Abrignani S**, "Intracellular Modulation, Extracellular Disposal and Serum Increase of MiR-150 Mark Lymphocyte Activation". *PLoS One.* 2013 Sep 26;8(9).
42. (\*\*) Geginat J, Paroni M, Facciotti F, Gruarin P, Kastirr I, Caprioli F, Pagani M, **Abrignani S**, "The CD4-centered universe of human T cell subsets". *Semin Immunol.* 2013; 25(4):252-62.
43. Nizzoli G, Krietsch J, Weick A, Steinfeld S, Facciotti F, Gruarin P, Bianco A, Steckel B, Moro M, Crosti M, Romagnani C, Stoelzel K, Torretta S, Pignataro L, Scheibenbogen C, Neddermann P, De Francesco R, **Abrignani S**, Geginat J., "Human CD1c+ dendritic cells secrete high levels of IL-12 and potently prime cytotoxic T cell responses". *Blood*, 2013; 122(6): 932-42.
44. (\*\*) Pagani M, Rossetti G, Panzeri I, de Candia P, Bonnal RJ, Rossi RL, Geginat J, **Abrignani S**. "Role of microRNAs and long-non-coding RNAs in CD4(+) T-cell differentiation". *Immunol Rev.* 2013; 253(1):82-96.
45. Law JL, Chen C, Wong J, Hockman D, Santer DM, Frey SE, Belshe RB, Wakita T, Bukh J, Jones CT, Rice CM, **Abrignani S**, Tyrrell DL, Houghton M., "A hepatitis C virus (HCV) vaccine comprising envelope glycoproteins gpE1/gpE2 derived from a single isolate elicits broad cross-genotype neutralizing antibodies in humans". *PLoS One* 2013; 8(3):e59776.
46. Lampertico P, Viganò M, Cheroni C, Facchetti F, Invernizzi F, Valveri V, Soffredini R, **Abrignani S**, De Francesco R, Colombo M. "IL28B polymorphisms predict interferon-related HBsAg seroclearance in genotype D HBeAg-negative patients with chronic hepatitis B". *Hepatology* 2012; 57(3):890-6.
47. Delang L, Neyts J, Vliegen I, **Abrignani S**, Neddermann P, De Francesco R., "Hepatitis C virus-specific directly acting antiviral drugs". *Curr Top Microbiol . Immunol.* 2013; 369:289-320.
48. Caprioli F, Bosè F, Rossi RL, Petti L, Viganò C, Ciafardini C, Raeli L, Basilisco G, Ferrero S, Pagani M, Conte D, Altomare G, Monteleone G, **Abrignani S**, Reali E., "Reduction of CD68+ Macrophages and Decreased IL-17 Expression in Intestinal Mucosa of Patients with Inflammatory Bowel Disease Strongly Correlate With Endoscopic Response and Mucosal Healing following Infliximab Therapy". *Inflamm Bowel Dis.* 2013; 19(4):729-739.

## 2012

49. (\*\*) Zingaretti C, Arigo' M, Cardaci A, Moro M, Crosti M, Sinisi A, Sugliano E, Cheroni C, Marabita F, Nogarotto R, Bonnal RJ, Marcatili P, Marconi M, Zignego A, Muratori P, Invernizzi P, Colombatto P, Brunetto M, Bonino F, De Francesco R, Geginat J, Pagani M, Muratori L, **Abrignani S**, Bombaci M, "Identification of new autoantigens by protein array indicates a role for IL4 neutralization in Autoimmune Hepatitis". *Mol Cell Proteomics.* 2012; 11(12):1885-97.
50. (\*\*) Moro M, Crosti M, Creo P, Gallina P, Curti S, Sugliano E, Scavelli R, Cattaneo D,



Canidio E, Marconi M, Rebullà P, Sarmientos P, Viale G, Pagani M, **Abrignani S**. "Identification of new hematopoietic cell subsets with a polyclonal antibody library specific for neglected proteins". *PLoS One* 2012; 7(4):e34395.

51. Novellino L, Rossi RL, Bonino F, Cavallone D, **Abrignani S**, Pagani M, Brunetto MR. "Circulating hepatitis B surface antigen particles carry hepatocellular microRNAs". *PLoS One* 2012; 7(3), e31952.
52. Bottai D, Cigognini D, Nicora E, Moro M, Grimoldi MG, Adami R, **Abrignani S**, Marconi AM, Di Giulio AM, Gorio A. "Third trimester amniotic fluid cells with the capacity to develop neural phenotypes and with heterogeneity among sub-populations". *Restor Neurol Neurosci.* 2012;30(1):55-68. doi: 10.3233/RNN-2011-0620.
53. Bianco A, Reghellin V, Donnici L, Fenu S, Alvarez R, Baruffa C, Peri F, Pagani M, **Abrignani S**, Neddermann P, De Francesco R. "Metabolism of Phosphatidylinositol 4-Kinase III $\alpha$ -Dependent PI4P Is Subverted by HCV and Is Targeted by a 4-Anilino Quinazoline with Antiviral Activity". *PLoS Pathog* 2012; 8(3):e1002576.
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## 2011

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**Brevetti sottomessi e brevetti rilasciati**

Titolo brevetto	Anno di priorità	N° domanda di brevetto	Nation	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	2003	2003279088	AUSTRALIA		
Eliciting HCV specific antibodies	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	USA		
		2004004113 A	JAPAN	2008	JP4117230 B2

**Finanziamenti competitivi degli ultimi 10 anni**

Titolo Progetto	Fonte del Finanziamento	Mia quota (EUR)	Periodo	Ruolo PI
"Insights into the evolving heterogeneity of metastatic colorectal cancer: from mechanisms to therapies"	AIRC 5x1000	2.500.000	2018-2025	Partecipante
"Immunity in Cancer Spreading and Metastasis"	AIRC 5x1000	879.000	2018-2025	Partecipante
"EPIGEN" - Physiopathological role of non-coding RNAs in the epigenetic regulation of CD4+ human T lymphocytes	Ministero dell'Istruzione dell'Università e Ricerca (MIUR) e CNR	300.000	2013-2017	Coordinatore
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)	844.000	2014-2017	Resp. Scientifico
"Serum microRNAs released by human CD4+ T cell subsets as biomarkers of vaccine efficacy and adverse events"	Merieux Research Grant	100.000	2014-2016	Resp. Scientifico
Grant n. 269022: i-MIRNOME - Lymphocyte microRNAs in health and disease: Understanding lymphocyte functions through the identification of microRNA target	ERC Advanced Grant	2.496.000	2011-2016	Resp. Scientifico



genes and exploiting serum microRNA signatures to monitor immune responses				
Grant n. RF-2011-02348466: "GENomewide association study to Evaluate genetic risk factors for cerebral sinus-venous thromboSIS (GENESIS Study)	Ministero della Salute	171.609	2016-2017	Co-Resp. Scientifico
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 dell'Università e Ricerca (MIUR)	343.300	2011-2015	Co-Resp. Scientifico
microRNA atlas in peripheral blood lymphocytes	Ministero della Salute e Regione Lombardia	2.000.000	2012-2013	Resp. Scientifico
Hepacivac: LSH-2005-1.2.4-2 # 037435	Unione Europea - 6PQ	1.200.000	2005-2011	Coordinatore

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, 12 settembre 2018