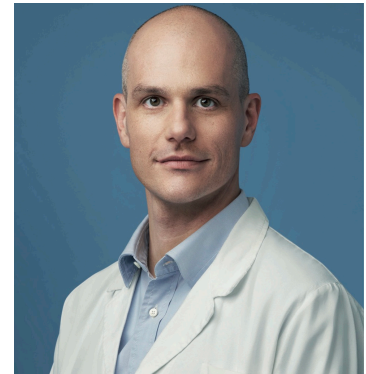


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Married, two children (born 2013 and 2016)



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Researcher ID: I-8507-2018
Google Scholar: <http://tiny.cc/4pibcz>

EDUCATION:

- | | |
|------|----------------------------------------------------------------------|
| 2011 | Ph.D. in Immunology, Vita-Salute San Raffaele University, Milan (IT) |
| 2007 | European Board Certification in Internal Medicine |
| 2001 | M.D. degree, University of Milan (IT) |

POSITIONS AND TRAINING:

- | | |
|----------------|------------------------------------------------------------------------------------------------------------------|
| 2010 – present | Group Leader, San Raffaele Scientific Institute, Milan (IT) |
| 2007 – 2010 | Postdoctoral Fellow, Harvard Medical School, Boston, MA
(Advisor: Uli von Andrian) |
| 2002 – 2006 | Postdoctoral Fellow, The Scripps Research Institute, La Jolla, CA
(Advisors: Luca Guidotti and Frank Chisari) |

HONORS AND AWARDS:

- | | |
|------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 2021 | Elected EMBO Member (https://www.embo.org/) |
| 2020 | Elected member of the Henry Kunkel Society
(https://www.henrykunkelsociety.org/) |
| 2020 | ERC panel member for Starting Grants LS6 “Immunity, Infection and Immunotherapy” |
| 2020 | ERC Proof of Concept Grant (https://erc.europa.eu/funding/proof-concept) |
| 2019 | Member of the Top Italian Scientists (www.topitalianscientists.org) |
| 2017 | Chiara D’Onofrio Award (http://www.fondazionechiaradonofrio.org/premi.php) |
| 2016 | ERC Consolidator Grant (https://erc.europa.eu/funding/consolidator-grants) |
| 2016 | EMBO Young Investigator Award (https://www.embo.org/funding-awards/young-investigators.html) |
| 2015 | European Association for the Study of the Liver (EASL) Emerging Leader Award (https://easl.eu/young-investigators/emerging-leader-award/) |
| 2011 | ERC Starting Grant (https://erc.europa.eu/funding/starting-grants) |
| 2010 | Armenise-Harvard Foundation Career Development Award |

PROFESSIONAL ACTIVITIES:

Journal Reviewer: *Nature, Science, Cell, Immunity, Nature Immunology, Nature Medicine, Science Immunology, Journal of Experimental Medicine, Journal of Clinical Investigation, Science Translational Medicine, Proceedings of the National Academy of Sciences, Cell Host & Microbe, Trends in Immunology, Cell Reports, Nature Communications, eLife, PLoS Pathogens, Hepatology, Journal of Hepatology, Gut, Gastroenterology, Journal of Immunology, Journal of Virology, European Journal of Immunology, Mucosal Immunology*

Grant Reviewer: *European Research Council (ERC), UK Medical Research Council (MRC), Wellcome Trust, European Molecular Biology Organization (EMBO), Marie Curie Individual Fellowships, Institut National de la Sante et de la Recherche Medicale (INSERM), Centre National de la Recherche Scientifique (CNRS), French National Research Agency (ANR), La Caixa Foundation, Israel Science Foundation, Austrian Academy of Sciences (ÖAW), Swiss National Science Foundation, Swiss Cancer League, Austrian Science Fund (FWF), Einstein Foundation Berlin, Helmholtz Association, Singapore Agency for Science, Technology & Research (A*STAR), Singapore National Medical Research Council, Canadian Institutes of Health Research, Hellenic Foundation for Research and Innovation.*

Editorial Boards: *Science Immunology (2019 – present), EMBO Journal (2022 – present; founding member of the Catalysts program), European Journal of Immunology (Executive Committee 2022 – present), Faculty Opinion (2021 – present), Review Commons (2021 – present), Current Opinion in Virology (section editor of Viral Immunity in 2015 and 2022)*

Conference Organization: 1st International Workshop “Imaging the Immune System”, Milan, Italy (2014); International Workshop “Viral Immunity”, Milan (2016); 2nd International Workshop “Imaging the Immune System”, Rehovot, Israel (2016); 1st EMBO Sectoral Meeting on Immunology, Bergamo, Italy (2017); MACS day “T cells”, Milan, Italy (2017); 3rd International Workshop “Imaging the Immune System”, Paris, France (2018); 2nd EMBO Sectoral Meeting on Immunology, Lisbon, Portugal (2018); 1st EMBO Workshop “Pathogen Immunity and Signaling”, Oxford, UK (2019); 3rd EMBO Sectoral Meeting on Immunology, Cambridge, UK (2019); Global Immunotalks (Virtual Conference Series; 2021 – present); 4th International Workshop “Imaging the Immune System” (2021, virtual); 2nd EMBO Workshop “Pathogen Immunity and Signaling”, Saint-Malo, France (2022); 20th EMBO Workshop “Germinal Centers and Immune Niches”, Rehovot, Israel (2022); 5th EMBO Workshop “Imaging the Immune System”, Lugano, Switzerland (2023), Gordon Research Conference, Immunochemistry and Immunobiology (2024, Co-Vice Chair), Gordon Research Conference, Immunochemistry and Immunobiology (2026, Co-Chair).

Scientific Advisory Boards: *Department of Immunology, Institut Pasteur (2019)*

Commissions of trust: *European Research Council (ERC) Panel Member for the LS6 Starting Grants (2021 – present), COVID-19 Animal Models WHO Working Group (2021 – present), INSERM Panel Member for the ATIP-AVENIR Program (2018 – present), Singapore National Medical Research Council (Panel Member 2018-2020), Italian Association of Immunologists (SIICA) Executive Committee (2020 – 2021)*

MAJOR ADMINISTRATIVE AND INSTITUTIONAL RESPONSIBILITIES:

2014 – present	Director, Intravital Imaging Facility, San Raffaele Scientific Institute, Milan, Italy
2014 – 2020	Immunology Seminar Series Organizing Committee, San Raffaele Scientific Institute, Milan, Italy
2015 – 2020	External Seminar Committee, San Raffaele Scientific Institute, Milan, Italy
2017 – 2019	Scientific Board, PhD program in Molecular Medicine, Vita-Salute San Raffaele University, Milan, Italy
2020 – present	Committee for Appointment and Promotion, San Raffaele Scientific Institute, Milan, Italy

TEACHING EXPERIENCE:

2020 – present	Associate Professor of Pathology and Immunology, Vita-Salute San Raffaele University, Milan, Italy
2012 – 2020	Adjunct Professor of Pathology and Immunology, Vita-Salute San Raffaele University, Milan, Italy

CONSULTANTSHIPS and ADVISORY BOARDS:

Gilead Sciences, Foster City, CA
Roche, Basel, Switzerland
Third Rock Ventures, Boston, MA
Antios Therapeutics, GA
Amgen, Thousand Oaks, CA
Asher Bio, San Carlos, CA
Allovir, Cambridge, MA
ENYO Pharma, Lyon, France

ACADEMIC SUPERVISION:

Technicians:

- Pietro Di Lucia (2010 – present)
- Marta Mainetti (2010 – present)
- Leonardo Giustini (2016 – present)
- Elisa Bono (2017 – present)
- Mattia Freschi (2019 – present)
- Chiara Perucchini (2020 – present)

Undergraduate students:

- Angelo Amabile (2010 – 2012; now postdoc with Brian Brown at Mount Sinai, NYC)
- Maurizio Vacca (2010 – 2013; now Scientist at Janssen)
- Gabriele Galliverti (2011 – 2013; now Medical Affairs Manager at SFL, Basel)
- Lucia Ganzer (2013 – 2015; now postdoc at CNR, Milan)
- Claudia Cristofani (2015 – 2017; now at Boehringer Ingelheim)
- Gianmaria Maganuco (2015 – 2018; now M.D. student at U Genova)
- Valeria Cutillo (2016 – 2019; now Medical Science Liaison at Amgen)

- Gioia Ambrosi (2017 – 2020; now M.S. student at U of Milano - Bicocca)
- Alessandra Fiore (2017 – 2019; now at Roche)
- Sara Raia (2018 – 2019; now predoc at San Raffaele, Milan)
- Eleonora Consolo (2018 – 2019; now at Sanofi-Pasteur)
- Federico Oberrauch (2018 – 2019; now M.S. student in Health Management)
- Federico De Ponti (2018 – 2020; now PhD student with Charlotte Scott at VIB, Leuven)
- Stefano Gilotto (2019 – 2020)
- Francesca Righetti (2020 – 2021; now predoc at IRB, Bellinzona)
- Alessandro Lussana (2020 – 2021; now PhD student at EMBL-EBI in Cambridge, UK)
- Giulia Nosetto (2020 – present)
- Marta Mangione (2020 – present)
- Maria Nelli (2021 – present)
- Rosanna Santella (2021 – present)
- Anna Celant (2022 – present)
- Giuliana Furiato (2022 – present)
- Michele D'Antonio (2022 – present)

Ph.D. students:

- Donato Inverso (2011 – 2016; now Postdoc with Hellmut Augustin at Heidelberg University)
- Marco De Giovanni (2013 – 2019; now Postdoc with Jason Cyster at UCSF)
- Valeria Fumagalli (2017 – 2020; continued as postdoc)
- Giorgia De Simone (2016 – 2021; now Medical Science Liaison at Tillotts Pharma)
- Eleonora Sala (2018 – present)
- Valentina Venzin (2019 – present)
- Bianca Partini (2019 – present)
- Davide Marotta (2019 – present)
- Chiara Laura (2019 – present)
- Marta Grillo (2020 – present)

Postdoctoral fellows:

- Elena Tonti (2010 – 2012; now Assistant Professor at McMaster University)
- Nereida Jimenez de Oya (2011 – 2016; now Research Associate at CNIO, Madrid)
- Stefano Sammiceli (2011 – 2016; now Associate Director of Discovery Oncology at Ichnos Sciences, Lausanne)
- Laura Sironi (2012 – 2013; now Associate Professor at University of Milano – Bicocca)
- Jessica Fioravanti (2012 – 2016; Marie Curie fellowship; now Senior Scientist at Lyell Immunopharma)
- Mirela Kuka (2013 – 2016; now Assistant Professor at UniSR, Milano)
- Alexandre Benechet (2015 – 2018; EMBO fellowship; now Director of Intravital Imaging, University of Lausanne)
- Diletta Magini (2016; now Project Manager at CEPI - Coalition for Epidemic Preparedness Innovations)
- Paola Zordan (2017 – 2020; now senior postdoc at San Raffaele)

- Vito Cucchiara (2018 – 2020; now Attending Urologist at San Raffaele)
- Francesco Andreatta (2018 – present; Umberto Veronesi Foundation fellowship)
- Cristian Beccaria (2018 – present; EMBO fellowship)
- Xenia Ficht (2019 – 2022; iCARE fellowship; now Staff Scientist at ETH)
- Caroline Krüger (2019 – present; AIRC fellowship)
- Elena Rodriguez Bovolenta (2020 – 2022)
- Valeria Fumagalli (2020 – present)
- Keigo Kawashima (2021 – present; Uehara Memorial fellowship)

Visiting Fellows:

- Florian Gärtner (2016; from Ludwig Maximilian University of Munich)
- Vo Thi My Hoa (2016; from GSK, Siena)
- Vendi Sinkovec (2017; from University of Rijeka, Croatia)
- Lisa Sandner (2021; from University of Vienna)
- Nishi Patel (2022; from University of Calgary)

Junior Faculty / Project Leaders / Staff Scientists / Facility Managers:

- Mirela Kuka (2016 – present)
- Federica Moalli (2016 – present; Marie-Curie fellowship)
- Micol Rava' (2019 – present)
- Donato Inverso (2022 – present)

SELECTED INVITED LECTURES (LAST 5 YEARS):

- 2022, FEBS-IUBMBM-ENABLE conference (The perfect tandem: how technology expands the frontiers of biomedicine), Sevilla, Spain (keynote)*
- 2022, Tissue inflammation, Hamburg, Germany*
- 2022, Immuneoctoberfest, Bridging innovation and translation in T cell immunotherapy, Munich, Germany*
- 2022, 1st Summer Symposium Systems Immunology “Network across scales”, Würzburg, Germany*
- 2022, 9th ANRS HBV Cure Workshop, Lyon, France*
- 2022, Gordon Research Conference on Immunochemistry and Immunobiology, Spain*
- 2022, EMBL in Italy 2022: Emerging approaches in human health and infectious diseases, GSK Vaccines, Siena, Italy*
- 2022, XIII meeting of the Italian Society of Immunology (SIICA), Naples, Italy*
- 2022, Vir Biotechnology, Bellinzona, Switzerland (host: Davide Corti)*
- 2022, Ludwig Cancer Distinguished Seminar Series, Lausanne (host: Ping-Chih Ho)*
- 2022, Distinguished Seminar Series, The Jackson Laboratory for Genomic Medicine, Farmington, CT*
- 2022, Princeton University, USA (host: Alex Ploss)*
- 2022, Portuguese Society of Immunology (SPI) annual meeting, Lisbon, Portugal*
- 2022, King’s College, London, UK (host: Alberto Sanchez-Fueyo)*
- 2022, Scottish Immunology Groups Network, Perth, Scotland (keynote lecture)*
- 2022, European School of Molecular Medicine, Milan, Italy*
- 2021, University of Salzburg, Austria (host: Iris Gratz)*
- 2021, Argentinean Society of Immunology, Cordoba, Argentina (keynote lecture)*
- 2021, University of Milan, Italy (PhD invited lecture)*
- 2021, University of Massachusetts Medical School (host: Andrea Reboldi)*

2021, International HBV Meeting, Toronto, Canada (keynote lecture)
 2021, Austrian Association of the Molecular Life Sciences and Biotechnology annual meeting, Innsbruck, Tyrol, Austria
 2021, 5th Innovative Approaches for Identification of Antiviral Agents Summer School (IAAASS), Cagliari, Italy
 2021, Swiss Society for Allergology and Immunology, Zurich, Switzerland
 2021, French Germinal Center Symposium, Paris (keynote lecture)
 2021, Oxford Imaging Symposium, UK (host: Michael Dustin)
 2021, Immunology Seminar Series, Harvard Medical School, Boston, MA
 2021, Global Immunotalk (hosts: Carla Rothlin and Elina Zuniga)
 2021, University of Fribourg, Switzerland (host: Jens Stein)
 2021, T cell connect Europe, Immunology lecture series
 2020, Ludwig-Maximilians University, Munich, Germany (PhD invited lecture)
 2020, Kantonsspital, St. Gallen, Switzerland (host: Burkhard Ludewig)
 2020, Louis Jeantet Symposium, Geneva, Switzerland
 2020, Cambridge Immunology Network, UK (host: Menna Clatworthy)
 2020, Advanced School of Immunology, Italian Association of Immunologists (SIICA)
 2020, ANRS “Basic and Translation Research on Hepatitis Viruses”, Paris (keynote)
 2020, Keystone Symposium on Tissue Immunity, Boulder, CO
 2019, Institut Curie, Paris, France (host: Nicolas Manel)
 2019, The Convergence of Hematology and Immunology (CHI), Tianjin, China
 2019, Armenise-Harvard Lecture, Harvard Medical School, Boston
 2019, Icahn School of Medicine at Mount Sinai, NYC (hosts: Brian Brown, Miriam Merad)
 2019, Tri-Institutional Seminar, New York City (hosts: Andrea Schietinger, Gabriel Victora)
 2019, International Congress of Immunology, Beijing
 2019, Peter Doherty Institute, Melbourne (host: Scott Mueller)
 2019, Joint German-Italian Immunological Society meeting, Munich
 2019, Swiss Society of Allergology and Immunology meeting, Lugano, Switzerland
 2019, EMBO Young Scientist Forum, Prague, Czech Republic
 2019, Immune Cell Responses Unfolded by Single Cell Technologies, Karolinska Institute
 2019, TRON, Mainz, Germany (host: Ugur Sahin)
 2019, Tissue Immunity Symposium with a Focus on T cells, Lisbon, Portugal
 2019, CeMM, Vienna, Austria (host: Sylvia Knapp)
 2019, EASL International Liver Congress, Vienna, Austria
 2019, EMBO Gold Medalists Meeting, Singapore
 2019, Department of Pathology, UCSF (host: Max Krummel)
 2019, Gilead Sciences, Foster City, CA (host: Sarah Gilmore)
 2019, Stanford University, CA (host: Maria Grazia Roncarolo)
 2019, IRBM Science Park, Roma (host: Carlo Toniatti)
 2019, Harald von Boehmer Midwinter Conference, Seefeld, Austria
 2018, Cumming School of Medicine, University of Calgary, Canada (host: Paul Kubes)
 2018, Translational Approaches to Inflammatory Liver Injury and Repair, Banff, Canada
 2018, World Congress on Microcirculation, Vancouver, Canada
 2018, 5th European Congress of Immunology, Amsterdam
 2018, SIICA Advanced School in Immunology, Messina, Italy
 2018, European Institute of Oncology, Milan, Italy (host: Luigi Nezi)
 2018, Oxford University, UK (host: Jan Rehwinkel)
 2018, Cambridge University, UK (host: Milka Sarris)
 2018, 44th Portuguese Society for Immunology Meeting, Lisbon, Portugal
 2018, Gordon Research Conference on Immunochemistry and Immunobiology, VT

2018, Gordon Research Conference on Chemotactic Cytokines, Newry, ME
 2018, TRR179 Symposium on Viral hepatitis and strategies of persistence, Heidelberg
 2018, DKFZ, Heidelberg (host: Hellmut Augustin)
 2018, 33rd Congress of the International Society for Advancement of Cytometry, Prague
 2018, The Crick Institute, London, UK (host: Caetano Reis e Sousa)
 2018, William Harvey Research Institute, London UK (host: Sussan Nourshargh)
 2018, University of Bern, Switzerland (host: Jens Stein)
 2018, University of Perugia, Italy (host: Francesca Fallarino)
 2018, Falk Foundation Workshop 'Liver-Gut-Microbiome Interactions', Hamburg, Germany
 2018, 27th Cytomeet (Keynote Lecture), Bern, Switzerland
 2018, Institute for Immunology, Munich, Germany (host: Thomas Brocker)
 2017, ETH, Zurich, Switzerland (host: Annette Oxenius)
 2017, VIB-KU Leuven Center for Cancer Biology, Leuven, Belgium (host: Max Mazzone)
 2017, deLIVER – Technology in Hepatology, Duesseldorf, Germany (keynote)
 2017, NIAID, NIH, Bethesda, MD (hosts: Ron Germain and Jon Yewdell)
 2017, Chiara D'Onofrio lecture at the SIBBM meeting, Milan, Italy
 2017, British Society of Immunology Leukocyte Migration Group, Leeds, UK
 2017, EMBO Symposium on Antigen Processing and Presentation, Salamanca, Spain
 2017, XI Meeting of the Italian Immunological Society (SIICA), Bari, Italy
 2017, CRC/SFB 900 Symposium in Hannover, Germany
 2017, Centre d'Immunologie de Marseille-Luminy, France (host: Toby Lawrence)
 2017, Laboratory of Molecular and Cellular Biology, UCL, UK (host: Sophie Acton)
 2017, Gotheborg University, Sweden (host: Susanna Cardell)

PATENTS

1. **Iannacone M**, Alexis F, Basto P, Moseman EA, Shi J, Langer RS, Farokhzad OC, von Andrian UH, Tonti E. Immunonanotherapeutics that Provide IgG Humoral Response without T-Cell Antigen, *United States Patent 8,906,381* – licensed to *Selecta Biosciences*
2. Shi J, Alexis F, **Iannacone M**, Moseman EA, Basto P, Langer RS, Farokhzad OC, von Andrian UH, Tonti E. Targeting of Antigen Presenting Cells with Immunonanotherapeutics, *United States Patent 9,308,280* – licensed to *Selecta Biosciences*
3. Alexis F, **Iannacone M**, Shi J, Basto P, Moseman EA, von Andrian UH, Langer RS, Farokhzad OC, Tonti E. Adjuvant Incorporation in Immunonanotherapeutics, *United States Patent 9,439,859* – licensed to *Selecta Biosciences*
4. **Iannacone M**, von Andrian UH, Farokhzad OC, Frank A, Basto P, Shi J, Moseman EA, Langer RS, Tonti E. Nicotine Immunonanotherapeutics, *United States Patent 8,932,595* – licensed to *Selecta Biosciences*
5. Von Andrian UH, Farokhzad OC, Langer RS, Tobias J, Moseman EA, Zhang L, Basto P, **Iannacone M**, Alexis F. Vaccine Nanotechnology, *United States Patent 9,539,210* – licensed to *Selecta Biosciences*
6. Von Andrian UH, **Iannacone M**, Tonti E, Moseman EA. Vaccines Comprising Bisphosphonates and Methods of Use Thereof, *United States Patent 10,188,733*

7. Summa V, Di Fabio R, Bencheva L, De Matteo M, Ferrante L, Prandi A, Randazzo P, Donnici L, De Francesco R, **Iannacone M**, Guidotti LG. Inhibitors of Hepatitis B Virus, *WO2020/016427*
8. Summa V, Di Fabio R, Bencheva L, De Matteo M, Ferrante L, Prandi A, Randazzo P, Donnici L, De Francesco R, **Iannacone M**, Guidotti LG. Cyclic Inhibitors of Hepatitis B Virus, *WO2020/016434 – sold to Antios Therapeutics*
9. Summa V, Di Fabio R, Bencheva L, De Matteo M, Ferrante L, Prandi A, Randazzo P, Gornati D, Grillo A, Ferrara M, Donnici L, De Francesco R, **Iannacone M**, Guidotti LG. Tricyclic Inhibitors of Hepatitis B Virus (I), *WO2020/030781 – sold to Antios Therapeutics*
10. De Francesco R, Donnici L, Guidotti LG, **Iannacone M**, Bencheva LI, De Matteo M, Ferrante L, Prandi A, Randazzo P, Gornati D, Grillo A, Di Fabio R, Summa V. Oxalamido-substituted Tricyclic Inhibitors of Hepatitis B Virus (I), *WO2020/234483*
11. **Iannacone M**, Guidotti LG, Naldini L, Cantore A, Ostuni R. Agents and methods for treating viral infections, *PCT/EP2020/064933*
12. Summa V, Di Fabio R, Bencheva L, De Matteo M, Ferrante L, Prandi A, Randazzo P, Gornati D, Grillo A, Ferrara M, Donnici L, De Francesco R, **Iannacone M**, Guidotti LG. Tricyclic Inhibitors of Hepatitis B Virus (II), European patent application 141758
13. Summa V, Di Fabio R, Bencheva L, De Matteo M, Ferrante L, Prandi A, Randazzo P, Gornati D, Grillo A, Ferrara M, Donnici L, De Francesco R, **Iannacone M**, Guidotti LG. Spirocyclic inhibitors of hepatitis B virus, *European Patent Application 20156716.1*
14. **Iannacone M**, Guidotti LG. Agents and methods for increasing liver immune response, *UK Patent Application 2018657.3*

PUBLICATIONS (Total citations > 9000; H-index > 42)

1. Compagnone M, Pinto E, Salvatori E, Lione L, Conforti A, Marchese S, Ravà M, **Iannacone M**, De Francesco R, Aurisicchio L, Palombo F (2022) DNA vaccine-induced response correlates with lower viral SARS-CoV-2 titer in a ferret model. *Submitted*
2. Stoler-Barak L, Harris E, Peres A, Hezroni-Bravyi H, Kuka M, Grenov A, Gurwicz N, Kupervaser M, Yip BH, **Iannacone M**, Yaari G, Crispino JD, Shulman Z (2022) DYRK1A regulates B cell class switch recombination through phosphorylation of MSH6. *Submitted*
3. Sandner L, Alteneder M, Rica R, Woller B, Sala E, Frey T, Tosevska A, Zhu C, Madern M, Hoffmann P, Schebesta A, Taniuchi I, Bonelli M, Schmetterer K, **Iannacone M**, Kuka M, Ellmeier W, Sakaguchi S, Herbst R, Boucheron N (2022) The guanine nucleotide exchange factor Rin-like acts as a gatekeeper for T

follicular helper cell differentiation via regulating CD28 signaling quality and strength. *Submitted*

4. Bencheva LI, Donnici L, Ferrante L, Prandi A, Sinisi R, De Matteo M, Randazzo P, Conti M, Di Lucia P, Bono E, Giustini L, Orsale MV, Patsilinos A, Monteagudo E, **Iannacone M**, Summa V, Guidotti LG, De Francesco R, Di Fabio R (2022) Discovery and antiviral profile of new sulfamoylbenzamide derivative as HBV capsid assembly modulators. *Submitted*
5. Gioia U, Tavella S, Martinez Orellana P, Colliva A, Paldino A, Ceccon M, Presot E, Fumagalli V, Cabrini M, Matti V, Pisati F, Cicio G, Rajasekharan S, Sepe S, Conte M, Barozzi S, Lavagnino Z, Carletti T, Volpe MC, **Iannacone M**, Tripodo C, Rampazzo C, Bussani R, Zacchigna S, Marcello A, d'Adda di Fagagna F (2022) SARS-CoV-2 infection causes DNA damage and an altered DNA damage response. *Submitted*
6. Scherer S, Kanev K, Oberle SG, Gerullis A-K, Wu M, Almeida GP, Puleston DJ, Baixauli F, Aly L, Greco A, Nizharadze T, Becker NB, v. Hoesslin M, Donhauser L, McNamara HA, Esencan Z, Roelli P, Wurmser C, Kleiter I, Vehreschild MJGT, Mayer C, Knolle P, Klingensport M, Fumagalli V, **Iannacone M**, Prlic M, Korn T, Pearce EL, Hofer T, Schulz AM, Zehn D (2022) Pyrimidine de novo synthesis inhibition selectively blocks effector but not memory T-cell development. *Submitted*
7. Mazzarella L, Santoro F, Ravasio R, Fumagalli V, Massa PE, Rodighiero S, Gavilan E, Romanenghi M, Achutti Duso B, Bonetti E, Manganaro L, Pallavi R, Trastulli D, Pallavicini I, Gentile C, Monzani S, Leonardi T, Pasqualato S, Buttinelli G, Di Martino A, Fedele G, Schiavoni I, Stefanelli P, Meroni G, De Francesco R, Steinkuhler C, Fossati G, **Iannacone M**, Minucci S, Pelicci PG (2022) The lysine demethylase LSD1 controls the balance between inflammatory and antiviral responses against coronaviruses. *Submitted*
8. Gaertner F, Ishikawa-Ankerhold H, Stutte S, Fu W, Guo C, Weitz J, Dueck A, Zhang Z, van den Heuvel D, Fumagalli V, Lorenz M, von Baumgarten L, Stark K, Straub T, von Stillfried S, Boor P, Colonna M, Schulz C, Broker T, Walzog B, Scheiermann C, Engelhardt S, Aird W, Petzold T, Sixt M, Gieger C, Rudelius M, Nerlov C, **Iannacone M**, Oostendorp R, Massberg S (2022) Plasmacytoid dendritic cells regulate megakaryocyte and platelet homeostasis. *Submitted*
9. Ginhoux F, Laura C, Garcia-Manteiga JM, Andreatta F, Ficht X, Dunsmore G, Weidner D, Guo W, Li Z, Chakarov S, Uderhardt S, Bleriot C, **Iannacone M** (2022) Reply to: Spatial Proteogenomics reveals distinct and evolutionarily conserved hepatic macrophage niches. *Cell, in press*
10. **Iannacone M**, Bleriot C, Andreatta F, Ficht X, Laura C, Garcia-Manteiga JM, Uderhardt S, Ginhoux F (2022) Reply to: Contamination of isolated mouse Kupffer cells with liver sinusoidal endothelial cells. *Immunity, in press*
11. Alvisi G, Termanini A, Soldani C, Portale F, Carriero R, Pilipow K, Polidoro M, Franceschini B, Malenica I, Puccio S, Lise V, Galletti G, Zanon V, Colombo FS, Tufano M, Peano C, **Iannacone M**, Roychoudhuri R, Donadon M, Torzilli G,

- Kunderfranco P, Di Mitri D, Lugli E, Lleo A (2022) Multimodal single-cell profiling of intrahepatic cholangiocarcinoma defines hyperactivated Tregs as potential therapeutic target. **Journal of Hepatology**, *in press*
12. Bertoletti A, **Iannacone M** (2022) Viral pathogenesis. **Current Opinion in Virology**, *in press (invited editor for a section on SARS-CoV-2)*
 13. Barreto de Albuquerque J, Altenburger LM, Abe J, von Werdt D, Wissmann S, Magdaleno JM, Francisco D, van Geest G, Ficht X, **Iannacone M**, Bruggmann R, Müller C*, Stein JV* (2022) Microbial uptake in oral mucosa-draining lymph nodes leads to rapid release of cytotoxic CD8⁺ T cells lacking a gut-homing phenotype. **Science Immunology**, 7:eabf1861 (*co-last authors)
 14. **Iannacone M**, Andreatta F, Guidotti LG (2022) Immunological insights in the treatment of chronic hepatitis B. **Current Opinion in Immunology**, 77:102207
 15. Nicolai L, Leunig A, Pekayvaz K, Esefeld M, Anjum A, Rath J, Riedlinger E, Ehreiser V, Mader M, Eivers L, Hoffknecht M-L, Zhang Z, Kugelmann, Rossaro D, Escaig R, Kaiser R, Polewka V, Titova A, Petzold T, Spiekermann K, **Iannacone M**, Thiele T, Greinacher A, Stark K, Massberg S (2022) Thrombocytopenia and splenic platelet directed immune responses after intravenous ChAdOx1 nCov-19 administration. **Blood**, *in press*
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European Research Council – Consolidator Grant (725038)
 FUNCTIONAL BIOLOGY OF HEPATIC CD8⁺ T CELLS
 €2,390,000

Jul 2017 – Dec 2023
Iannacone (Principal Investigator)

European Research Council – Proof of Concept Grant (957502)
IL-2 GENE THERAPY FOR CHRONIC HEPATITIS B VIRUS INFECTION
€150,000
Jul 2020 – Jun 2022
Iannacone (Principal Investigator)

AIRC (Italian Association for Cancer Research) – Investigator Grant (19891)
SPATIOTEMPORAL DYNAMICS OF CD8⁺ T CELLS WITHIN LIVER TUMORS
€1,062,000
Jan 2018 – Dec 2023
Iannacone (Principal Investigator)

AIRC (Italian Association for Cancer Research) – 5 per 1000 (22737)
ADVANCED IMMUNE GENE AND CELL THERAPIES FOR LIVER METASTASES
€828,155
Nov 2019 – Oct 2026
Iannacone (Group Leader)

Italian Ministry of Health – Ricerca Finalizzata (RF-2018-12365801)
DETERMINANTS OF INTRAHEPATIC CD8⁺ T CELL PRIMING
€450,000
Jul 2020 – Jun 2023
Iannacone (Principal Investigator)

Gilead Sciences
THE CAPACITY OF IL-2 MOLECULES TO INCREASE THE NUMBER AND/OR
FUNCTION OF INTRAHEPATICALLY PRIMED HBV-SPECIFIC CD8⁺ T CELLS
€631,875
2019-2022
Iannacone (Principal Investigator)

Asher Bio
TO DETERMINE THE CAPACITY OF CD8-TARGETED IL-2 MOLECULES TO
INCREASE THE NUMBER AND/OR FUNCTION OF INTRAHEPATICALLY
PRIMED HBV-SPECIFIC CD8⁺ T CELLS
€266,500
2021-2022
Iannacone (Principal Investigator)

Takis Biotech
THE CAPACITY OF VACCINES AND SINGLE-CHAIN ANTIBODIES TO
PREVENT SARS-COV-2 INFECTION
€135,000
2021-2022
Iannacone (Principal Investigator)

Vir Biotechnology

TO CHARACTERIZE THE IN VIVO EFFECT OF HUMAN MONOCLONAL ANTIBODIES AGAINST HBV

€67,500

2021-2022

Iannacone (Principal Investigator)

SELECTED COMPLETED FUNDING:

European Research Council – Starting Grant (281648)

IN VIVO DYNAMICS OF ANTIBODY RESPONSES TO LYMPH-BORNE VIRUSES

€1,934,200

Mar 2012 – Jun 2017

Iannacone (Principal Investigator)

Armenise-Harvard Foundation – Career Development Award

IN VIVO IMAGING OF ANTIVIRAL IMMUNE RESPONSES

\$1,000,000

Nov 2010 – Oct 2015

Iannacone (Principal Investigator)

AIRC (Italian Association for Cancer Research) – Individual Grant MFA G (15350)

THE ROLE OF ANTIGENIC STIMULATION IN THE PATHOGENESIS OF CHRONIC LYMPHOCYTIC LEUKEMIA

€225,000

Jan 2015 – Dec 2017

Iannacone (Principal Investigator)

AIRC (Italian Association for Cancer Research) – Program Project (9965)

HARNESSING TUMOUR CELL/MICROENVIRONMENT CROSS TALK TO TREAT MATURE B-CELL TUMOURS

€420,000

Nov 2010 – Oct 2015

Iannacone (Group Leader)

Italian Ministry of Health – Giovani Ricercatori (GR-2011-02347925)

DISSECTING HBV PATHOGENESIS THROUGH THE USE OF INTRAVITAL MICROSCOPY

€342,000

Nov 2014 – Nov 2017

Iannacone (Principal Investigator)

Fondazione Regionale per la Ricerca Biomedica (2015-0010)

SINGLE-CELL ANALYSES OF LYMPHOCYTES THAT INFILTRATE AUTOIMMUNITY SITES: DISSECTING IMMUNOLOGICAL MECHANISMS OF RHEUMATOID ARTHRITIS

€630,000

Mar 2017 – Feb 2020

Iannacone (Co-Principal Investigator)

Italian Ministry of Health – Bando COVID-19 (COVID-2020-12371617)
CLINICAL AND BIOLOGICAL CHARACTERIZATION OF PATIENTS WITH
COVID-19
€150,000
Sep 2020 – Aug 2021
Iannacone (Group Leader)