

Matteo Iannacone, MD, PhD

Director, Division of Immunology, Transplantation, and Infectious Diseases
Associate Professor of Pathology
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Married, two children (born 2013 and 2016)



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Scopus Author ID: 6507012016

Researcher ID: I-8507-2018

[Google Scholar](#)

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:

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|----------------|---|
| 2023 – present | <i>Director</i> , Division of Immunology, Transplantation, and Infectious Diseases, San Raffaele Scientific Institute, Milan (IT) |
| 2020 – present | <i>Associate Professor</i> of Pathology, Vita-Salute San Raffaele University, Milan (IT) |
| 2010 – present | <i>Group Leader</i> , 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:

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| 2024 | Alessandro Moretta Prize from Il Cenacolo delle Scienze e della Cultura
(https://www.cenacolodellescienze.it/) |
| 2023 | ERC Proof of Concept Grant (https://erc.europa.eu/funding/proof-concept) |
| 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 (<https://armeniseharvard.org/programs/career-development-award/>)
- 2008 Armenise-Harvard Foundation Postdoctoral Fellowship

PROFESSIONAL ACTIVITIES:

Journal Reviewer: *Nature, Science, Cell, Immunity, Nature Immunology, Nature Medicine, Nature Biotechnology, 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), Journal of Experimental Medicine (2023 – present), EMBO Journal (2022 – present; founding member of the Catalysts program), European Journal of Immunology (Executive Committee 2022 – present), hLife (2023 – present), Genes & Immunity (2023 – present), Virology (2023 – present), Review Commons (2021 – present), Faculty Opinion (2021 – present), Current Opinion in Virology (section editor of Viral Immunity in 2015 and 2022), Top Italian Scientists Journal (TISJ).*

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); EMBO Annual Young Investigator Meeting, Milan, Italy (2023); 5th EMBO Workshop “Imaging the Immune System”, Lugano, Switzerland (2023); 20th International Microscopy Congress (Live Imaging of Cells, Tissues and Organisms sessions), Busan, Korea (2023); Gordon Research Conference,

Immunochemistry and Immunobiology (2024, Co-Vice Chair); 3rd EMBO Workshop “Pathogen Immunity and Signaling”, San Servolo, Venice, Italy (2024); International HBV Meeting, Chicago, USA (2024); Gordon Research Conference, Immunochemistry and Immunobiology (2026, Co-Chair).

Scientific Advisory Boards: *Department of Immunology, Institut Pasteur (2019); GentiBio (2023 – present)*

Commissions of trust: *European Research Council (ERC) Panel Member for the LS6 Starting Grants (2021 – present), ATIP-AVENIR Program (LS6 Panel Member 2018 – present; LS6 Panel Chair 2022- present), Swiss National Science Foundation Panel Member (Division Biology and Medicine, 2023 - present), Chair of the Expert Committee at HCERES for the evaluation of INSERM and CNRS units (2022 – present), MED3 Panel Member for the Research Foundation – Flanders (FWO), COVID-19 Animal Models WHO Working Group (2021 – present), Singapore National Medical Research Council (Panel Member 2018 – 2020), Italian Association of Immunologists (SIICA) Executive Committee (2020 – 2021); Reviewer for the Liver Immunology abstracts at EASL Congress (2023 – 2025), EMBO Installation Grants Committee (2023 – 2027).*

MAJOR ADMINISTRATIVE AND INSTITUTIONAL RESPONSABILITIES:

2023 – present	Director, Division of Immunology, Transplantation and Infectious Diseases, San Raffaele Scientific Institute
2023 – present	Steering Committee, Liver Center, San Raffaele Scientific Institute
2020 – 2022	Committee for Appointment and Promotion, San Raffaele Scientific Institute 2014 – 2020 Immunology Seminar Series Organizing Committee, San Raffaele Scientific Institute
2017 – 2019	Scientific Board, PhD program in Molecular Medicine, Vita-Salute San Raffaele University
2015 – 2020	External Seminar Committee, San Raffaele Scientific Institute

CURRENT CONSULTANTSHIPS and ADVISORY BOARDS:

Gilead Sciences, Foster City, CA
Asher Biotherapeutics, San Carlos, CA
GentiBio, Cambridge, MA
BlueJay Therapeutics, San Mateo, CA
Aligos Therapeutics, South San Francisco, CA
Humabs Biomed/Vir Biotechnology, Bellinzona, Switzerland
BioNTech, Mainz, Germany

ACADEMIC SUPERVISION:

Technicians:

- Pietro Di Lucia (2010 – present)
- Marta Mainetti (2010 – present)
- Leonardo Giustini (2016 – present)
- Elisa Bono (2017 – present)
- Mattia Freschi (2019 – 2022; now product and sales specialist at Prodotti Gianni, Milan, Italy)
- Chiara Perucchini (2020 – present)
- Sara De Palma (2022 – present)
- Chiara Malpighi (2023 – 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, Switzerland)
- Alessandro Lussana (2020 – 2021; now PhD student at EMBL-EBI in Cambridge, UK)
- Giulia Nosetto (2020 – 2023; now Study Coordinator at Ospedale San Raffaele, Milano, Italy)
- Marta Mangione (2020 – 2022; now predoc at IFOM-IEO, Milan, Italy)
- Rosanna Santella (2021 – 2022)
- Anna Celant (2022 – present)
- Giuliana Furiato (2022 – present)
- Michele D'Antonio (2022 – present)
- Riccardo Musi (2023 – present)
- Valentina Sperto (2023 – present)

Ph.D. students:

- Donato Inverso (2011 – 2016; now Group Leader and Assistant Professor at San Raffaele Scientific Institute, Milan, Italy)
- Marco De Giovanni (2013 – 2019; now Group Leader at San Raffaele Scientific Institute, Milan, Italy)
- Giorgia De Simone (2016 – 2021; now Medical Science Liaison at Tillotts Pharma)
- Valeria Fumagalli (2017 – 2023; AIRC fellowship; now Assistant Professor at San Raffaele Scientific Institute, Milan, Italy)
- Eleonora Sala (2018 – 2023; now Project Manager at Charles River)
- Valentina Venzin (2019 – present)
- Bianca Partini (2019 – 2023; AIRC fellowship; now Study Coordinator at Ospedale San Raffaele, Milano, Ital)
- Davide Marotta (2019 – present)
- Chiara Laura (2019 – present)
- Marta Grillo (2020 – present)
- Maria Nelli (2021 – present)
- Violette Mouro (2022 – present)

Postdoctoral fellows:

- Elena Tonti (2010 – 2012; now Assistant Professor at McMaster University)
- Nereida Jimenez de Oya (2011 – 2016; now Principal Investigator at INIA-CSIC, Madrid)
- Stefano Sammiceli (2011 – 2016; now 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 – present; now Assistant Professor and Project Leader at San Raffaele Scientific Institute and University)
- 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)
- Federica Moalli (2016 – present; Marie-Curie fellowship)
- Paola Zordan (2017 – 2020; now senior postdoc at San Raffaele)
- Vito Cucchiara (2018 – 2020; now Attending Urologist at San Raffaele)
- Francesco Andreatta (2018 – 2023; Umberto Veronesi Foundation fellowship; now Assistant Professor at University of Milano – Bicocca)
- Cristian Beccaria (2018 – present; EMBO fellowship)
- Xenia Ficht (2019 – 2022; iCARE fellowship; now Staff Scientist at ETH)
- Caroline Krüger (2019 – 2022; AIRC fellowship; now Scientific Officer at Swiss National Science Foundation)
- Micol Rava' (2019 – present)
- Elena Rodriguez Bovolenta (2020 – 2022)
- Keigo Kawashima (2021 – present; Uehara Memorial fellowship; Marie-Curie Fellowship)
- Pietro Delfino (2023 – present)
- Carlotta Tacconi (2023 – present)
- Monica Giannotta (2023 – present)
- Andrea Cugurra (2023 – present)
- Caitlin Abbott (2023 – present)
- Jordan Rixon (2023 – present)

Visiting Fellows:

- Florian Gärtner (2016; from LMU, Munich, Germany)
- Vo Thi My Hoa (2016; from GSK, Siena, Italy)
- Vendi Sinkovec (2017; from University of Rijeka, Croatia)
- Lisa Sandner (2021; from University of Vienna, Austria)
- Nishi Patel (2022; from University of Calgary, Canada)
- Johannes Siewert (2023; from University of Bonn, Germany)
- Veera Panova (2023; from University of Cambridge, UK)
- Riho Saito (2023; from University of Tokyo, Japan)
- Noam Shapira (2024; from Weizmann Institute, Israel)

Junior Faculty / Staff Scientists / Facility Managers:

- Mirela Kuka – Assistant Professor and Project Leader
- Federica Moalli – Facility Manager, Intravital Microscopy

- Micol Rava' – Facility Manager, Animal Biochemistry
- Donato Inverso – Assistant Professor and Group Leader
- Valeria Fumagalli – Assistant Professor
- Marco De Giovanni – Group Leader

SELECTED INVITED LECTURES (LAST 5 YEARS):

2025, Institut Curie, Paris, France (hosts: Ana-Maria Lennon-Dumenil, Sebastian Amigorena and Nicolas Manel)

2024, Babraham Institute's Distinguished Lecture Series, Cambridge, UK

2024, Champalimaud Research Symposium, Lisbon, Portugal

2024, Centre d'Immunologie de Marseille-Luminy, Marseille, France (host: Marc Bajenoff)

2024, Immune OctoberFest, Bridging innovation and translation in T cell immunotherapy, Munich, Germany

2024, 19th Armenise-Harvard Symposium, "Visualizing biology: from the nano to the macro scale", Boston, MA

2024, University College London, UK (hosts: Mala Maini and Claudia Mauri)

2024, Summer School, Helmholtz Centre for Infection Research, Braunschweig, Germany

2024, European Association for the Study of the Liver, ILC2024, Milan, Italy

2024, Retreat of the University of Geneva (Pathology and Immunology Department), Annecy, France (keynote)

2024, 6th International Conference of Translational Immunology, Monopoli, Italy

2024, PhD Retreat of the Italian Association of Immunologists (SIICA), Otranto, Italy

2024, ENII Summer School of Advanced Immunology, Alghero, Italy

2024, Center for Applied Medical Research, Pamplona, Spain

2024, Keystone Symposium on Myeloid Targeting Strategies, Killarney, Ireland

2024, Annual Retreat of the San Raffaele Scientific Institute, Baveno, Italy

2024, University of Rijeka, Croatia (host: Stipan Jonic)

2024, 8th Annual International Remote Conference "Science & Society" (keynote)

2024, EMBO PhD Course, Heidelberg, Germany

2024, Istituto Nazionale di Genetica Molecolare (INGM), Milan (host: Sergio Abrignani)

2024, SIICA Advanced School of Immunology (virtual)

2024, 4th Midwinter Conference, Seefeld, Austria

2023, 18th International Congress of Immunology, Cape Town, South Africa

2023, Karolinska Institutet, Stockholm, Sweden (host: Carmen Gerlach)

2023, 10th European Seminars in Virology (EUSEV), Bertinoro, Italy (keynote)

2023, 8th PhD Conference in Immunology, Czechia (keynote speaker)

2023, International HBV Meeting, Kobe, Japan

2023, The Catholic University of Korea, Seoul, Korea (host: In-Beom Kim)

2023, IMMOX23 – Immunology across time and space, Oxford, UK

2023, EMBO Workshop "Imaging the Immune System", Lugano, Switzerland

2023, European Association for the study of the Liver (EASL) Congress 2023, Vienna, Austria

2023, Keystone Symposium on B cell biology in the context of infectious diseases, autoimmunity and B cell cancers, Keystone, CO (declined for conflicting schedule)

2023, Division of Medicine and of Gastroenterology, Perelman School of Medicine, University of Pennsylvania (host: Rebecca G. Wells)

2023, 8th European Congress of Virology, Gdańsk, Poland

2023, AASLD HBV Special Interest Group Webinar on "Immune Tolerance in Chronic Hepatitis B: Mechanisms, Management and Controversies"

2023, Department of Immunology, Institut Pasteur, Paris, France (host: Pierre Bruhns)

2023, Symposium in Immunothrombosis, Munich, Germany

2023, *Multimodal imaging in life sciences and cancer research*, Lausanne, Switzerland
 2022, *Dutch Society for Immunology Annual Meeting*, Leeuwenhorst (keynote)
 2022, *Cluster Science Days 2022 Bonn*, Germany (keynote)
 2022, *FEBS-IUBMBM-ENABLE conference (The perfect tandem: how technology expands the frontiers of biomedicine)*, Sevilla, Spain (keynote)
 2022, *9th European Seminars in Virology (EUSEV)*, Bertinoro, Italy (keynote)
 2022, *6th IAAASS Innovative Approaches for Identification of Antiviral Agents*, Pula (CA, Sardinia, Italy)
 2022, *CRC 841 Symposium "Tissue inflammation"*, Hamburg, Germany
 2022, *Immune OctoberFest, Bridging innovation and translation in T cell immunotherapy*, Munich, Germany
 2022, *EMBO Workshop on Germinal Centers and Immune Niches (GCC 2022)*, Weizmann Institute of Science, Rehovot, Israel
 2022, *1st Summer Symposium Systems Immunology "Network across scales"*, Wurzburg, 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)

PATENTS

1. **lannacone 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, **lannacone 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. *WO2020/030781*
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. *WO2021/160617*
14. **Iannacone M**, Guidotti LG. Agents and methods for increasing liver immune response. *UK Patent Application 2018657.3*

PUBLICATIONS (Total citations > 12000; H-index > 52)

1. Fumagalli V, Mouro V, **Iannacone M** (2024) Immune effectors in the liver in homeostasis, infection, and cancer. *Immunity, in preparation (invited review)*

2. Pizzagalli DU, ..., **Iannacone M**, ... Gonzalez SF (2024) IMMUNEMAP, an open atlas of immune cell motility. *Submitted*
3. Altenburger LM, Claudino Carvoeiro DC, Dehio P, Zhou J, Laura C, Katoch M, Krüger C, Barreto de Albuquerque J, Pfenninger P, Martinez Magdaleno J, Abe J, Mehling M, Dengjel J, **Iannacone M**, Gheinani H, Stein JV (2024) A lymphoid tissue chemokine checkpoint safeguards effector CD8⁺ T cell differentiation. *Submitted*
4. Pallavicini I, Frasconi T, Ceccaci E, Tiberti S, Lauson CN, Preto E, Bigogno A, Mangione M, Sala E, **Iannacone M**, Kuka M, Nezi L, Minucci S, Manzo T (2024) LSD1 inhibition improves efficacy of adoptive T cell therapy by enhancing CD8⁺ T cell responsiveness. *Submitted*
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CURRENT FUNDING:

Medical Research Council – Developmental Pathway Funding Scheme

DEVELOPING AN INFECTION-BLOCKING PAN-CORONAVIRUS VACCINE

£350,000

2024-2026

Iannacone (Co-Investigator)

European Research Council – Proof of Concept Grant (101138728)

SPIROCYCLIC CAMS AS NOVEL AND ULTRAPOTENT ANTI-HBV DRUGS

€150,000

2023 –2024

Iannacone (Principal Investigator)

AIRC (Italian Association for Cancer Research) – 5 per 1000 (22737)

ADVANCED IMMUNE GENE AND CELL THERAPIES FOR LIVER METASTASES

€678,172

Nov 2019 – Oct 2026

Iannacone (Group Leader)

VIR Biotechnology

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

€529,125

2023-2025

Iannacone (Principal Investigator)

Italian Ministry for University and Research (Project no. PE00000007, INF-ACT)

EXTENDED PARTNERSHIP INITIATIVE ON EMERGING INFECTIOUS DISEASES

€450,000

2023-2025

Iannacone (Group Leader)

Italian Ministry for University and Research (PRIN 2022FMESXL)

MECHANISMS UNDERLYING DYSFUNCTIONAL CD8+ T CELL RESPONSES IN CHRONIC HEPATITIS B

€211,480

2023-2025

Iannacone (Coordinator)

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)

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)

European Research Council – Consolidator Grant (725038)

FUNCTIONAL BIOLOGY OF HEPATIC CD8+ T CELLS

€2,390,000

Jul 2017 – Dec 2023

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 MFAG (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)

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)

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)

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)

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)

Takis Biotech
THE CAPACITY OF VACCINES AND SINGLE-CHAIN ANTIBODIES TO
PREVENT SARS-COV-2 INFECTION
€135,000
2021-2022
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 Biotherapeutics

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

€447,550

2021-2023

Iannacone (Principal Investigator)