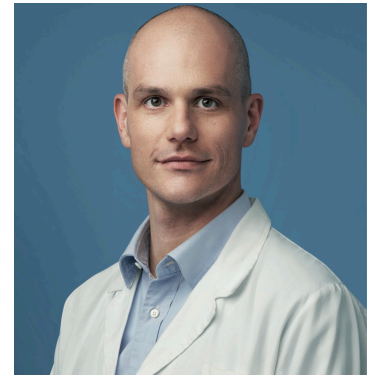


Matteo Iannacone, MD, PhD

Head of Research Unit – San Raffaele Scientific Institute
Via Olgettina, 58 – 20132 Milano, ITALY
+39 (348) 853-3711 • iannacone.matteo@hsr.it •
www.iannaconelab.com • *Twitter*: @iannaconelab
Married, two children (born 2013 and 2016)



ORCID ID: 0000-0002-9370-2671
Scopus Author ID: 6507012016
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:

- | | |
|----------------|--|
| 2015 – present | Head of Research Unit, San Raffaele Scientific Institute, Milan (IT) |
| 2010 – 2015 | 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:

- | | |
|------|--|
| 2020 | ERC panel member for Starting Grants LS6 “Immunity, Infection and Immunotherapy” |
| 2020 | Best 2019 Publication Award from the Italian Association for the Study of the Liver (AISF) |
| 2017 | Chiara D’Onofrio Award |
| 2016 | European Research Council (ERC) Consolidator Grant |
| 2016 | EMBO Young Investigator Award |
| 2015 | European Association for the Study of the Liver (EASL) Young Investigator Award |
| 2011 | ERC Starting Grant |
| 2010 | Armenise-Harvard Foundation Career Development Award |
| 2008 | Armenise-Harvard Foundation Postdoctoral Fellowship |

PROFESSIONAL ACTIVITIES:

Journal Reviewer: *Nature, Science, Cell, Nature Medicine, Immunity, Nature Immunology, 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, Gastroenterology, Journal of Immunology, Journal of Virology, European Journal of Immunology*

Grant Reviewer: *European Research Council (ERC), UK Medical Research Council (MRC), 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), Israel Science Foundation, Swiss National Science Foundation, Austrian Science Fund (FWF), Einstein Foundation Berlin, Swiss Cancer League, Singapore Agency for Science, Technology & Research (A*STAR), Singapore National Medical Research Council, Canadian Institutes of Health Research.*

Editorial Board: *Science Immunology, Review Commons*

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); 20th EMBO Workshop “Germinal Centers and Immune Niches”, Rehovot, Israel (2020); 2nd EMBO Workshop “Pathogen Immunity and Signaling”, Milan, Italy (2021).

Scientific Advisory Board: *Department of Immunology, Institut Pasteur (2019), Hepatitis B program, Gilead Sciences (2020 – present)*

Commission of trust: *European Research Council (ERC) Panel Member for the LS6 Starting Grants (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 – present)*

MAJOR ADMINISTRATIVE AND INSTITUTIONAL RESPONSABILITIES:

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

TEACHING EXPERIENCE:

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

CONSULTANTSHIPS:

Gilead Sciences, Foster City, CA
Selecta Biosciences, Cambridge, MA

ACADEMIC SUPERVISION:

Technicians:

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

Undergraduate students:

- Angelo Amabile (2010 – 2012; now postdoc at Mount Sinai, NYC)
- Maurizio Vacca (2010 – 2013; now postdoc at NUS, Singapore)
- Gabriele Galliverti (2011 – 2013; now Ph.D. student with Doug Hanahan at EPFL, Lausanne)
- Lucia Ganzer (2013 – 2015; now Ph.D. student at Politecnico, 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 Manager at Astrazeneca)
- Gioia Ambrosi (2017 – 2020; now M.S. student at U of Milano - Bicocca)
- Alessandra Fiore (2017 – 2019; now at Guna)
- Sara Raia (2018 – 2019; now predoc at San Raffaele, Milan)
- Eleonora Consolo (2018 – 2019)
- Federico Oberrauch (2018 – 2019; now M.S. student in Health Management)
- Federico De Ponti (2018 – present)
- Davide Marotta (2018 – 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)
- Giorgia De Simone (2016 – present)
- Valeria Fumagalli (2017 – present)
- Eleonora Sala (2018 – present)
- Valentina Venzin (2019 – present)
- Bianca Partini (2019 – present)

Postdoctoral fellows:

- Elena Tonti (2010 – 2012; now Assistant Professor at McMaster University)
- Laura Sironi (2012 – 2013; now Associate Professor at University of Milano – Bicocca)

- Nereida Jimenez de Oya (2011 – 2016; now Research Associate at CNIO, Madrid)
- Stefano Sammiceli (2011 – 2016; now Senior Scientist at Roche, Basel)
- Jessica Fioravanti (2012 – 2016; Marie Curie fellowship; now Senior Postdoc with Luca Gattinoni at NCI/NIH)
- Mirela Kuka (2013 – 2016; Marie Curie fellowship; now Assistant Professor at Vita-Salute University)
- Alexandre Benechet (2015 – 2018; EMBO fellowship; now Director of Intravital Imaging, University of Lausanne)
- Diletta Magini (2016; now Project Manager at Fondazione Sclavo, Siena)
- Federica Moalli (2016 – present; Marie-Curie fellowship)
- Paola Zordan (2017 – present)
- Vito Cucchiara (2018 – 2020; now Resident in Urology at San Raffaele)
- Francesco Andreatta (2018 – present; Umberto Veronesi Foundation fellowship)
- Cristian Beccaria (2018 – present)
- Xenia Ficht (2019 – present; iCARE fellowship)
- Micol Rava' (2019 – present)
- Caroline Krüger (2019 – present)
- Keigo Kawashima (2020 – present; Uehara Memorial fellowship)
- Elena Rodriguez Bovolenta (2020 – present)

Bioinformaticians:

- Chiara Laura (2019 – present)
- Stefano Gilotto (2019 – present)

SELECTED INVITED LECTURES (LAST 5 YEARS):

2022, Gordon Research Conference on Immunochemistry and Immunobiology, Spain
 2021, Argentinean Society of Immunology, Cordoba, Argentina
 2021, Immunology Seminar Series, Harvard Medical School, Boston, MA
 2021, Keystone Symposium on B cell-T cell collaboration, Alpbach, Austria
 2021, University of Fribourg, Switzerland (host: Jens Stein)
 2020, TED Talk, Bocconi University, Milan, Italy
 2020, International HBV Meeting, Toronto, Canada (keynote lecture)
 2020, Louis Jeantet Symposium, Geneva, Switzerland
 2020, French Germinal Center Symposium, Paris (keynote lecture)
 2020, Ludwig-Maximilians University, Munich, Germany (PhD invited lecture)
 2020, Kantonsspital, St. Gallen, Switzerland (host: Burkhard Ludewig)
 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)
2016, Perspective in Vascular Biology (SFB 834), Frankfurt, Germany
2016, University of Bern, Switzerland (host: Jens Stein)
2016, Gordon Research Conference "Immunochemistry and Immunobiology", Il Ciocco
2016, The Francis Crick Institute, London, UK (host: Caetano Reis e Sousa)
2016, Symposium on Immunity and Inflammation, CNIC, Madrid, Spain

2016, Pasteur Institute, Paris, France (host: Claude Leclerc)
 2016, 8th International Singapore Symposium of Immunology, Singapore
 2016, Roche Glycart AG, Schlieren, Switzerland (host: Mario Perro)
 2016, TIGEM, Naples, Italy (host: Carmine Settembre)
 2016, University of Turin (host: Emilio Hirsch)
 2016, Immunology Day, La Sapienza University, Rome, Italy
 2015, GSK Vaccines, Siena, Italy (host: Ugo D'Oro)
 2015, Trafficking of immune cells in inflammation, development and disease (SFB 914)
 2015, TRON, Mainz, Germany (hosts: Ugur Sahin)
 2015, Karolinska Institute, Stockholm, Sweden (host: Eduardo Villablanca)
 2015, University of Oxford, UK (host: Oliver Bannard)
 2015, Cancer Research UK, London (host: Facundo Batista)
 2015, University College London, UK (host: Mala Maini)
 2015, Istituto Nazionale Genetica Molecolare, Milano, Italy (host: Jens Geginat)
 2015, University of Bern, Switzerland (host: Philippe Krebs)
 2015, 1st European Chemokine and Cell Migration Conference, Villars-sur-Ollon, CH
 2015, European Society of Clinical Investigation Meeting, Cluj, Romania
 2015, EASL International Liver Congress, Vienna, Austria
 2015, University of Milan, Italy (host: Graziella Messina)
 2015, Annual Meeting of the Swiss Society for Allergy and Immunology, Basel

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 Application 20130309270*
7. Summa V, Di Fabio R, Bencheva L, Donnici L, De Francesco R, Iannacone M, Guidotti LG. Inhibitors of Hepatitis B Virus, *WO2020/016427*
8. Summa V, Di Fabio R, Bencheva L, Donnici L, De Francesco R, Iannacone M, Guidotti LG. Cyclic Inhibitors of Hepatitis B Virus, *WO2020016434*
9. Summa V, Di Fabio R, Bencheva L, Donnici L, De Francesco R, Iannacone M, Guidotti LG. Tricyclic Inhibitors of Hepatitis B Virus (I), *WO2020/030781*
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 (II), *European Patent 19211249.8- 1110*

11. [Iannacone M](#), Guidotti LG, Naldini L, Cantore A, Ostuni R. Interleukin-2 gene therapy to restore antiviral T cell function in chronic HBV infection, *UK Patent Application 1907493.9*

PUBLICATIONS (Total citations > 5500; H-index > 37)

1. [Iannacone M](#) and Kubes P (2021) Immune responses in the liver. ***Nature Reviews Immunology***, in preparation (invited review)
2. [Iannacone M](#) and Guidotti LG (2020) Immunobiology, pathogenesis and therapy of hepatitis B virus infection. ***Nature Reviews Immunology***, in preparation (invited review)
3. Ficht X and [Iannacone M](#) (2020) T cell responses in the liver. ***Science Immunology***, in preparation (invited review)
4. Fumagalli V, Di Lucia P, Venzin V, Bono E, Jordan R, Frey C, Delaney W, Chisari FV, Guidotti LG[#], [Iannacone M](#)[#] (2020) Antibody-mediated clearance of serum HBsAg has minimal impact on CD8⁺ T cell responses in mouse models of HBV pathogenesis. ***Journal of Experimental Medicine***, under review (#co-last authors)
5. Aiolfi R*, Sitia G*, [Iannacone M](#)*, Brunetta I, Guidotti LG[#], Ruggeri ZM[#] (2020) Bleeding after critical reduction of platelet serotonin release in arenavirus infected mice. ***Science Signaling***, in press (*co-first authors; #co-last authors)
6. Stolp B, Thelen F, Ficht X, Altenburger LM, Ruef N, Inavalli VVGK, Germann P, Page N, Moalli F, Raimondi A, Keyser K, Seyed Jafari SM, Barone F, Dettmer MS, Merkler D, [Iannacone M](#), Sharpe J, Schlapbach C, Fackler OT, Nägerl UV, Stein JV (2020) Salivary gland macrophages and tissue-resident CD8⁺ T cells cooperate for homeostatic organ surveillance. ***Science Immunology***, in press
7. De Giovanni M, Cutillo V, Giladi A, Maganuco CG, Medaglia C, Bono E, Di Lucia P, Giustini L, Cristofani C, Pinschewer DD, Kastenmuller W, Amit I, Kuka M[#], [Iannacone M](#)[#] (2020) Spatiotemporal regulation of type I interferon expression determines antiviral CD4⁺ T cell polarization. ***Nature Immunology***, 21:321 (#co-last authors)
8. De Simone G, Mazza EMC, Cassotta A, Davydov A, Kuka M, Zanon V, De Paoli F, Scamardella E, Metsger M, Roberto A, Pilipow K, Colombo FS, Tenedini E, Tagliafico E, Gattinoni L, Mavilio D, Peano C, Price DA, Singh SP, Farber JM, Ferrari F, Orrù V, Fiorillo E, [Iannacone M](#)*, Chudakov DM*, Sallusto F*, Lugli E (2019) CXCR3 identifies human naive CD8⁺ T cells with enhanced effector differentiation potential. ***Journal of Immunology***, 203:000 (*equal contribution)
9. Benechet AP*, De Simone G*, Di Lucia P, Cilenti F, Barbiera G, Le Bert N, Moalli F, Lusito E, Fumagalli V, Bianchessi V, Zordan P, Bono E, Giustini L, Bonilla WD, Bleriot C, Kunasegaran K, Gonzalez-Aseguinolaza G, Pinschewer DD, Kennedy

- PTF, Naldini L, Kuka M, Ginhoux F, Cantore A, Bertolotti A, Ostuni R#, Guidotti LG#, [Iannacone M](#)✉ (2019) Dynamics and genomic landscape of CD8⁺ T cells undergoing hepatic priming. **Nature**, 574:200 (*co-first authors; #co-last authors). *Awarded with the 2019 Best Publication in Hepatology by the Italian Association for the Study of the Liver.*
10. Milani M, Annoni A, Moalli F, Liu T, Cesana D, Calabria A, Bartolaccini S, Biffi M, Russo F, Visigalli I, Raimondi A, Patarroyo-White S, Drager D, Cristofori P, Ayuso E, Montini E, Nichols TC, Peters R, [Iannacone M](#), Cantore A#, Naldini L# (2019) Phagocytosis-shielded lentiviral vectors allow safe and robust liver gene transfer in non-human primates. **Science Translational Medicine**, 11:eaav7325 (#co-last authors)
 11. Kuka M, De Giovanni M, [Iannacone M](#)✉ (2019) The role of type I interferons in CD4⁺ T cell differentiation. **Immunology Letters**, 215:19
 12. Thierry G, Kuka M, De Giovanni M, Mondor I, Brouilly I, [Iannacone M](#)#, Bajenoff M# (2018) The conduit system exports locally secreted IgM from lymph nodes. **Journal of Experimental Medicine**, 215:2972 (#co-last authors)
 13. Pilipow K, Scamardella E, Puccio S, Gautam S, De Paoli F, Mazza EMC, De Simone G, Polletti S, Buccilli M, Zanon V, Di Lucia P, [Iannacone M](#), Gattinoni L, Lugli E (2018) Antioxidant metabolism in activated CD8⁺ T cells regulates stem-like human memory T cell formation and anti-tumor immunity. **JCI Insight**, 3:e122299
 14. Moalli F, Ficht X, Germann P, Vladymyrov M, Stolp B, de Vries I, Lyck RV, Balmer J, Fiocchi A, Kreutzfeld M, Merkler D, [Iannacone M](#), Ariga A, Stoffel MH, Sharpe J, Bähler M, Sixt M, Diz-Muñoz A, Stein JV (2018) The Rho regulator Myosin IXb enables non-lymphoid tissue seeding of protective CD8⁺ T cells. **Journal of Experimental Medicine**, 215:1869
 15. Volpi VG, Pagani I, Ghezzi S, [Iannacone M](#), D'Antonio M, Vicenzi E (2018) Zika virus replication in dorsal root ganglia explants causes myelin degeneration. **Scientific Reports**, 8:10166
 16. Jofra T, Di Fonte R, Galvani G, Kuka M, [Iannacone M](#), Battaglia M, Fousteri G (2018) Tr1 cell immunotherapy promotes transplant tolerance via *de novo* Tr1 cell induction and is safe and effective during acute viral infection in mouse. **European Journal of Immunology**, 48:1389
 17. Vo HTM, Baudner BC, Sammicheli S, [Iannacone M](#), D'Oro U, Piccioli D (2018) Alum/TLR7 adjuvant enhances the expansion of memory B cell compartment within the draining lymph node. **Frontiers in Immunology**, 9:641
 18. Kuka M and [Iannacone M](#)✉ (2018) Viral subversion of B cell responses within secondary lymphoid organs. **Nature Reviews Immunology**, 18:255
 19. Sammicheli S, Kuka M, [Iannacone M](#)✉ (2018) Intravital imaging of B cell responses in lymph nodes. **Methods in Molecular Biology**, 1763:63
 20. De Giovanni M and [Iannacone M](#)✉ (2018) In vivo imaging of adaptive immune

responses to viruses. **Current Opinion in Virology**, 28:102

21. Medaglia C*, Giladi A*, Stoler Barak L*, De Giovanni M*, Meir Salame T, Biram A, David E, [Iannacone M](#)[#], [Shulman Z](#)[#], [Amit I](#)[#] (2017) Spatial reconstruction of immune niches by combining photoactivatable fluorescent reporters and single-cell RNA-seq. **Science**, 358:1622 (*co-first authors; #co-last and co-corresponding authors)
22. Gaertner F, Ahmad Z, Rosenberg G, Fan S, Nicolai L, Busch B, Yavuz G, Luckner M, Luckner M, Ishikawa-Ankerhold H, Hennel R, Benechet AP, Lorenz M, Chandraratne S, Schubert I, Helmer S, Striednig B, Stark K, Janko M, Bottcher RT, Verschoor A, Leon C, Gachet C, Gudermann T, Mederos y Schnitzler M, Pincus Z, [Iannacone M](#), Hass R, Wanner G, Lauber K, Sixt M, Massberg S (2017) Migrating platelets are mechano-scavengers that collect and bundle bacteria. **Cell**, 171:1368
23. Kuka M and [Iannacone M](#) (2017) Intestinal flossing keeps pathogens at bay. **Developmental Cell**, 43:383
24. Pirzgalska RM*, Seixas E*, Seidman JS, Link VM, Martinez Sanchez N, Mahú I, Mendes R, Gres V, Kubasova N, Morris I, Arús BA, Larabee CM, Vasques M, Tortosa F, Sousa AL, Anandan S, Tranfield E, Hahn MK, [Iannacone M](#), Spann NJ, Glass KC, Domingos AI (2017) Sympathetic associated macrophages clear norepinephrine and sustain obesity. **Nature Medicine**, 23:1309 (*co-first authors)
25. Jimenez de Oya N*, De Giovanni M*, Fioravanti J, Ubelhart R, Di Lucia P, Fiocchi A, Iacovelli S, Efremov DG, Caligaris-Cappio F, Jumaa H, Ghia P, Guidotti LG, [Iannacone M](#) (2017) Pathogen-specific B cell receptors drive chronic lymphocytic leukemia by light chain-dependent cross-reaction with autoantigens. **EMBO Molecular Medicine**, 9:1482 (*co-first authors)
26. Piergiovanni M, Bianchi E, Capitani G, Li Piani I, Ganzer L, Guidotti LG, [Iannacone M](#), Dubini G (2017) Microcirculation in mouse liver lobule: a Computational Fluid Dynamic model based on 3D reconstruction from in vivo microscopy. **Journal of Biomechanics**, 63:125
27. Jofra T, Di Fonte R, Kuka M, Mfarrej B, [Iannacone M](#), Battaglia M, Foustieri G. (2017) Protein tyrosine phosphatase PTPN22 dampens T cell immune responses and drives viral persistence. **Frontiers in Immunology**, 8:811
28. Silvin A, Yu CI, Lahaye X, Imperatore F, Brault JB, Cardinaud S, Becker C, Kwan WH, Conrad C, Maurin M, Goudot C, Marques-Ladeira S, Wang Y, Pascual V, Anguiano E, Albrecht RA, [Iannacone M](#), Garcia-Sastre A, Goud B, Dalod M, Moris A, Merad M, Palucka CA, Manel N (2017) Constitutive resistance to viral infection in human CD141⁺ dendritic cells. **Science Immunology**, 2:eaai8071
29. Fioravanti J, Magini D, Di Lucia P, Boni C, Benechet AP, Inverso D, Fiocchi A, Wieland S, Purcell R, Ferrari C, Chisari FV, Guidotti LG, [Iannacone M](#) (2017) Effector CD8⁺ T cell-derived interleukin-10 enhances liver immunopathology. **Journal of Hepatology**, 67:543
30. Castiello MC, Pala F, Sereni L, Draghici E, Inverso D, Sauer AV, Schena F,

- Fontana E, Radaelli E, Uva P, Cervantes-Luevano KE, Benvenuti F, Poliani PL, [Iannacone M](#), Traggiai E, Villa A, Bosticardo M (2017) In vivo chronic stimulation unveils intrinsic autoreactive potential of Wiskott-Aldrich syndrome protein-deficient B cells. *Frontiers in Immunology*, 8:490
31. Brewitz A, Eickhoff S, Dähling S, Quast T, Bedoui S, Kroczeck RA, Kurts C, Garbi N, Barchet W, [Iannacone M](#), Klauschen F, Kolanus W, Kaisho T, Colonna M, Germain RN, Kastenmüller W (2017) CD8⁺ T cells orchestrate pDC–XCR1⁺ dendritic cell spatial and functional cooperativity to optimize priming. *Immunity*, 46:205
 32. Benechet AP, Ganzer L, [Iannacone M](#) (2017) Intravital microscopy analysis of hepatic T cell dynamics. *Methods in Molecular Biology*, 1514:49
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European Research Council – Consolidator Grant (725038)

FUNCTIONAL BIOLOGY OF HEPATIC CD8⁺ T CELLS

€2,390,000

Jul 2017 – 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)

Italian Ministry of Health – Ricerca Finalizzata (RF-2018-12365801)

DETERMINANTS OF INTRAHEPATIC CD8+ T CELL PRIMING

€450,000

Nov 2019 – Nov 2022

Iannacone (Principal Investigator)

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

ADVANCED IMMUNE GENE AND CELL THERAPIES FOR LIVER METASTASES

€950,000

Nov 2019 – Oct 2026

Iannacone (Group Leader)

Gilead Sciences

THE CAPACITY OF IL-2 MOLECULES TO INCREASE THE NUMBER AND/OR FUNCTION OF INTRAHEPATICALLY PRIMED HBV-SPECIFIC CD8+ T CELLS

€481,875

2019-2020

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)