

# Curriculum Vitae Riccardo Castagnoli

## ■ Personal Informations

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First name: Riccardo  
Surname: Castagnoli  
Place and Date of birth: Voghera (PV), Italy - 06/09/1988  
Nationality: Italian  
Address: Via Cernaia,3, Voghera (PV), Italy  
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riccardo.castagnoli@nih.gov



## ■ Education and Training

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From 06/2021 to present Italian National Scientific Habilitation (ASN) for Associate Professor in Pediatrics (MED/38) – Italian Ministry of Education, University and Research

From 07/2020 to present Expert in the field of Pediatrics (Cultore della materia in Pediatria, MED/38)

From 06/2018 to present Visiting Researcher at National Institutes of Health (NIH) – Bethesda (USA) – Laboratory of Clinical Immunology and Microbiology – Prof. Notarangelo LD

From 03/2020 to present Research Fellow – University of Pavia - Italy (Department of Clinical-Surgical, Diagnostics and Pediatric Sciences) – San Matteo Hospital, Pavia, Italy – Prof. Marseglia GL

From 10/2018 to 2021 PhD programme in Translational Medicine – University of Pavia, Italy – NIH Graduate Partnerships Program, Bethesda, USA

12/2014 – 11/2019 Residency/Fellowship (3+2 years) program in Pediatrics - University of Pavia- San Matteo Hospital, Pavia, Italy – Prof. Marseglia GL

01/2014 – 11/2014 MsC (Master of high qualification) in Pediatric Immunopathology - University of Pavia, Italy

10/2007 – 07/2013 Degree in Medicine and Surgery (MD) -University of Pavia, Italy (110/110 Summa cum Laude)

09/2002 – 07/2007 High School, Classical studies –Voghera (PV), Italy (100/100)

## ■ Work Experience

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From 03/2020 to present	Physician/Research Fellow working at the Department of Pediatrics and the Laboratory of Immunology -University of Pavia- San Matteo Hospital, Italy. Visiting Researcher at NIH, Bethesda, USA.
From 12/2014 to 11/2019	Residency and Fellowship in Pediatrics -University of Pavia- San Matteo Hospital, Italy
03/2014 – 11/2014	Physician attending the Department of Pediatrics and the Laboratory of Immunology -University of Pavia- San Matteo Hospital, Italy
11/2013 – 02/2014	Training for the certification in the profession of medical doctor (date of certification: 25/02/2014)
08/2010 – 10/2013	Training during Medical School -University of Pavia- San Matteo Hospital, Italy: <i>Pediatrics</i> (Prof. Marseglia), <i>Genetics</i> (Prof.Scappaticci), <i>Medicine</i> (Prof. Balduini), <i>Surgery</i> (Prof. Dionigi- Prof. Pietrabissa), <i>Pain Management</i> (Prof. Miotti), <i>Geriatrics</i> (Prof. Ricevuti – Solerte), <i>Cardiology</i> (Prof. Schwartz), <i>Hematology</i> (Prof. Cazzola)

## ■ Personal Skills and Competences

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Mother tongue:	Italian
Other Language:	English (FCE: First certificate in English - 05/2006)
Computer skills:	WINDOWS (OFFICE), OS (iWORK), GraphPad Prism
Driving licence:	A and B (Italy)
Medical certification:	<ul style="list-style-type: none"><li>- PALS (Pediatric Advanced Life Support) – 05/2018</li><li>- PEARS (Pediatric Advanced Emergency Assessment, Recognition and Stabilization) – 04/2018</li><li>- P-BLS (Pediatric Basic Life Support) – 12/2017</li><li>- BLS (Basic Life Support) – 12/2017</li></ul>
Statistics Courses:	<ul style="list-style-type: none"><li>- R for Research Scientists – May 2021- Montgomery College Bioscience Education Center</li><li>- STAT 500 I (statistic course at FAES - National Institutes of Health, Bethesda, MD, USA) – Fall 2018</li><li>- Overview of Statistics - Statistical Testing - National Institutes of Health, NIAID Bioinformatics.</li><li>- Introduction to Categorical Data Analysis - National Institutes of Health, NIAID Bioinformatics.</li><li>- Introduction to Next Generation Sequencing and QC - National Institutes of Health, NIAID Bioinformatics</li></ul>

I declare I participated to Clinical study according to GCP.

I authorized the use of personal data according to the Law.

[■ Publications and Congresses: see document attached](#)

Pavia, 04/07/2022

A handwritten signature in black ink, appearing to read "Roberto Costantini". The signature is written in a cursive style with a large initial 'R' and a distinct 'C'.

## ■ Riccardo Castagnoli's profile

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**Link to ORCID:** <https://orcid.org/0000-0003-0029-9383>

**Link to Scopus:** <https://www.scopus.com/authid/detail.uri?authorId=56366251400>

**Link to Loop:** <https://loop.frontiersin.org/people/633773/overview>

**Link to Google Scholar:**

<https://scholar.google.com/citations?user=uSFHVxEAAAAJ&hl=it&oi=ao>

**Link to Publons:**

<https://publons.com/researcher/3554433/riccardo-castagnoli/>

## ■ Publications

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Scopus (updated to 04/07/2022)

Publications number: 100

Citations number: 2842

*h*-index: 22

Total impact factor: 517.9

### Publications in international indexed journals

\*Co-first author

#Corresponding author

- |   |      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
|---|------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1 | 2022 | Sacco K*, <b>Castagnoli R*</b> , Vakkilainen S*, Liu C*, Delmonte OM, Oguz C, Kaplan IM, Alehashemi S, Burbelo PD, Bhuyan F, de Jesus AA, Dobbs K, Rosen LB, Cheng A, Shaw E, Vakkilainen MS, Pala F, Lack J, Zhang Y, Fink DL, Oikonomou V, Snow AL, Dalgard CL, Chen J, Sellers BA, Montealegre Sanchez GA, Barron K, Rey-Jurado E, Vial C, Poli MC, Licari A, Montagna D, Marseglia GL, Licciardi F, Ramenghi U, Discepolo V, Lo Vecchio A, Guarino A, Eisenstein EM, Imberti L, Sottini A, Biondi A, Mató S, Gerstbacher D, Truong M, Stack MA, Magliocco M, Bosticardo M, Kawai T, Danielson JJ, Hulett T, Askenazi M, Hu S; NIAID Immune Response to COVID Group; Chile MIS-C Group; Pavia Pediatric COVID-19 Group, Cohen JI, Su HC, Kuhns DB, Lionakis MS, Snyder TM, Holland SM, Goldbach-Mansky R, Tsang JS, Notarangelo LD. Immunopathological signatures in multisystem inflammatory syndrome in children and pediatric COVID-19. <i>Nat Med.</i> 2022 Feb 17. doi: 10.1038/s41591-022-01724-3. Epub ahead of print. PMID: 35177862.<br><b>IF: 53.440</b> |
| 2 | 2022 | <b>Castagnoli R</b> , Marseglia GL. Tracing and vaccinating: how to REACT to COVID-19 pandemic. <i>Lancet Respir Med.</i> 2022 Apr;10(4):317-318. doi: 10.1016/S2213-2600(22)00016-9. Epub 2022 Jan 24. PMID: 35085489; PMCID: PMC8786319.<br><b>IF: 30.700</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| 3 | 2022 | <b>Castagnoli R</b> , Giovannini M, Riggioni C. The role of the microbiota in the development of thymic-derived specific T-cells. <i>Allergy.</i> 2022 Apr;77(4):1328-1330. doi: 10.1111/all.15159. Epub 2021 Nov 8. PMID: 34713464.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |

**IF:** 13.146

- 4 2022 **Castagnoli R**, Delmonte OM, Notarangelo LD. Congenital and acquired defects of immunity: An ever-evolving story. *Pediatr Allergy Immunol.* 2022 Jan;33 Suppl 27:61-64. doi: 10.1111/pai.13632. PMID: 35080321.  
**IF:** 6.377
- 5 2022 Burbelo PD, **Castagnoli R**, Shimizu C, Delmonte OM, Dobbs K, Discepolo V, Lo Vecchio A, Guarino A, Licciardi F, Ramenghi U, Rey-Jurado E, Vial C, Marseglia GL, Licari A, Montagna D, Rossi C, Montealegre Sanchez GA, Barron K, Warner BM, Chiorini JA, Espinosa Y, Noguera L, Dropulic L, Truong M, Gerstbacher D, Mató S, Kanegaye J, Tremoulet AH; Pediatric Emergency Medicine Kawasaki Group, Eisenstein EM, Su HC, Imberti L, Poli MC, Burns JC, Notarangelo LD, Cohen JI. Autoantibodies Against Proteins Previously Associated With Autoimmunity in Adult and Pediatric Patients With COVID-19 and Children With MIS-C. *Front Immunol.* 2022 Mar 11;13:841126. doi: 10.3389/fimmu.2022.841126. PMID: 35360001; PMCID: PMC8962198.  
**IF:** 7.561
- 6 2022 Delmonte OM, **Castagnoli R**, Yu J, Dvorak CC, Cowan MJ, Dávila Saldaña BJ, De Ravin SS, Mamcarz E, Chang CK, Daley SR, Griffith LM, Notarangelo LD, Puck JM. Poor T-cell receptor  $\beta$  repertoire diversity early posttransplant for severe combined immunodeficiency predicts failure of immune reconstitution. *J Allergy Clin Immunol.* 2022 Mar;149(3):1113-1119. doi: 10.1016/j.jaci.2021.07.029. Epub 2021 Aug 9. PMID: 34384841.  
**IF:** 10.793
- 7 2022 Leonardi L, La Torre F, Soresina A, Federici S, Cancrini C, **Castagnoli R**, Cinicola BL, Corrente S, Giardino G, Lougaris V, Volpi S, Marseglia GL, Cardinale F; Immunology Task Force of the Italian Society of Pediatric Allergy and Immunology (SIAIP). Inherited defects in the complement system. *Pediatr Allergy Immunol.* 2022 Jan;33 Suppl 27:73-76. doi: 10.1111/pai.13635. PMID: 35080299.  
**IF:** 6.377
- 8 2022 Novembre E, Barni S, Saretta F, **Castagnoli R**, Arasi S, Mastrorilli C, Pecoraro L, Liotti L, Caminiti L, Giovannini M, Mori F; Rare Allergic Diseases Commission of the Italian Society of Pediatric Allergy and Immunology (SIAIP). The history of the drug-induced enterocolitis syndrome. *Pediatr Allergy Immunol.* 2022 Jan;33 Suppl 27:54-57. doi: 10.1111/pai.13630. PMID: 35080322.  
**IF:** 6.377
- 9 2022 Cinicola BL, Corrente S, **Castagnoli R**, Lougaris V, Giardino G, Leonardi L, Volpi S, La Torre F, Federici S, Soresina A, Cancrini C, Marseglia GL, Cardinale F; Immunology Task Force of the Italian Society of Pediatric Allergy, Immunology (SIAIP). Primary atopic disorders and chronic skin disease. *Pediatr Allergy Immunol.* 2022 Jan;33 Suppl 27:65-68. doi: 10.1111/pai.13633. PMID: 35080318.  
**IF:** 6.377

- 10 2022 Lougaris V, Cancrini C, Rivalta B, **Castagnoli R**, Giardino G, Volpi S, Leonardi L, La Torre F, Federici S, Corrente S, Cinicola BL, Soresina A, Marseglia GL, Cardinale F. Activated phosphoinositide 3-kinase delta syndrome (APDS): An update. *Pediatr Allergy Immunol*. 2022 Jan;33 Suppl 27:69-72. doi: 10.1111/pai.13634. PMID: 35080319.  
**IF: 6.377**
- 11 2022 Pecoraro L, Dalle Carbonare L, **Castagnoli R**, Marseglia GL, Piacentini G, Pietrobelli A. IgE-mediated fish allergy in children: is omega-3 supplementation useful? *Int J Food Sci Nutr*. 2022 Mar;73(2):154-157. doi: 10.1080/09637486.2021.1957782. Epub 2021 Jul 26. PMID: 34311650.  
**IF: 3.833**
- 12 2022 Mastroilli C, Pecoraro L, Arasi S, Barni S, Caminiti L, **Castagnoli R**, Giovannini M, Liotti L, Mori F, Saretta F, Marseglia GL, Novembre E; Rare Allergic Diseases Commission of the Italian Society of Pediatric Allergy and Immunology. Pediatric hypersensitivity pneumonitis: literature update and proposal of a diagnostic algorithm. *Ital J Pediatr*. 2022 Mar 28;48(1):51. doi: 10.1186/s13052-022-01239-0. PMID: 35346317; PMCID: PMC8962565.  
**IF: 2.638**
- 13 2022 Masvekar RR, Kosa P, Jin K, Dobbs K, Stack MA, **Castagnoli R**, Quaresima V, Su HC, Imberti L, Notarangelo LD, Bielekova B. Prognostic value of serum/plasma neurofilament light chain for COVID-19-associated mortality. *Ann Clin Transl Neurol*. 2022 Mar 21. doi: 10.1002/acn3.51542. Epub ahead of print. PMID: 35313387.  
**IF: 4.511**
- 14 2022 Licari A, **Castagnoli R**, Ciprandi R, Brambilla I, Guasti E, Marseglia GL, Ciprandi G. Anxiety and depression in adolescents with asthma: a study in clinical practice. *Acta Biomed*. 2022 Mar 14;93(1):e2022021. doi: 10.23750/abm.v93i1.10731. PMID: 35315428; PMCID: PMC8972864.  
**IF: 1.352**
- 15 2022 Manry J, Bastard P, Gervais A, Voyer TL, Rosain J, Philippot Q, Michailidis E, Hoffmann HH, Eto S, Garcia-Prat M, Bizien L, Parra-Martínez A, Yang R, Haljasmägi L, Migaud M, Särekannu K, Maslovskaja J, de Prost N, Tandjaoui-Lambiotte Y, Luyt CE, Amador-Borrero B, Gaudet A, Poissy J, Morel P, Richard P, Cognasse F, Troya J, Trouillet-Assant S, Belot A, Saker K, Garçon P, Rivière JG, Lagier JC, Gentile S, Rosen L, Shaw E, Morio T, Tanaka J, Dalmau D, Tharaux PL, Sene D, Stepanian A, Mégarbane B, Triantafyllia V, Fekkar A, Heath J, Franco J, Anaya JM, Solé-Violán J, Imberti L, Biondi A, Bonfanti P, **Castagnoli R**, Delmonte O, Zhang Y, Snow A, Holland S, Biggs C, Moncada-Vélez M, Arias A, Lorenzo L, Boucherit S, Anglicheau D, Planas A, Haerynck F, Duvlis S, Nussbaum R, Ozcelik T, Keles S, Bousfiha A, Bakkouri JE, Ramirez-Santana C, Paul S, Pan-Hammarstrom Q, Hammarstrom L, Dupont A, Kurolap A, Metz C, Aiuti A, Casari G, Lampasona V, Ciceri F, Barreiros L, Dominguez-Garrido E, Vidigal M, Zatz M, van de Beek D, Sahanic S,

Tancevski I, Stepanovskyy Y, Boyarchuk O, Nukui Y, Tsumura M, Vidaur L, Tangye S, Burrell S, Duffy D, Quintana-Murci L, Klocperk A, Kann N, Shcherbina A, Lau YL, Leung D, Coulangeat M, Marlet J, Koning R, Reyes L, Chauvineau-Grenier A, Venet F, Monneret G, Nussenzweig M, Arrestier R, Boudhabhay I, Baris-Feldman H, Hagin D, Wauters J, Meyts I, Dyer A, Kennelly S, Bourke N, Halwani R, Sharif-Askari F, Dorgham K, Sallette J, Mehla-Sedkaoui S, AlKhater S, Rigo-Bonnin R, Morandeira F, Roussel L, Vinh D, Erikstrup C, Condino-Neto A, Prando C, Bondarenko A, Spaan A, Gilardin L, Fellay J, Lyonnet S, Bilguvar K, Lifton R, Mane S, Anderson M, Boisson B, Béziat V, Zhang SY, Andreakos E, Hermine O, Pujol A, Peterson P, Mogensen TH, Rowen L, Mond J, Debette S, deLamballerie X, Burdet C, Bouadma L, Zins M, Soler-Palacin P, Colobran R, Gorochov G, Solanich X, Susen S, Martinez-Picado J, Raoult D, Vasse M, Gregersen P, Rodríguez-Gallego C, Piemonti L, Notarangelo L, Su H, Kisand K, Okada S, Puel A, Jouanguy E, Rice C, Tiberghien P, Zhang Q, Casanova JL, Abel L, Cobat A. The risk of COVID-19 death is much greater and age-dependent with type I IFN autoantibodies. *Res Sq [Preprint]*. 2022 Jan 14;rs.3.rs-1225906. doi: 10.21203/rs.3.rs-1225906/v1. PMID: 35043109; PMCID: PMC8764723. *Munuscript accepted on PNAS (Proceedings of the National Academy of Sciences)*

- 16 2022 **Castagnoli R**, Licari A, Votto M, Ciprandi G, Marseglia GL. Association between treatment awareness and uncontrolled asthma in adolescents. *Lung India*. 2022 Jan-Feb;39(1):84-85. doi: 10.4103/lungindia.lungindia\_213\_21. PMID: 34975061; PMCID: PMC8926239. **IF: 0.32**
- 17 2022 **Castagnoli R**, Brambilla I, De Filippo M, Votto M, Montagna D, Montagna L, Licari A, Marseglia GL. Pediatric COVID-19 – a review. *Journal of Biological Regulators and Homeostatic Agents*. 2022 Jan-Feb, Volume 36, Pages 177-182. **IF: 1.711**
- 18 2022 Ciprandi G, Marseglia GL, Licari A, **Castagnoli R**, Ciprandi R. Resilience is low in adolescents with asthma and independent of asthma control. *Acta Biomed*. 2022 May 11;93(2):e2022054. doi: 10.23750/abm.v93i2.11751. PMID: 35546022. **IF: 1.352**
- 19 2021 Bastard P, Gervais A, Le Voyer T, Rosain J, Philippot Q, Manry J, Michailidis E, Hoffmann HH, Eto S, Garcia-Prat M, Bizien L, Parra-Martínez A, Yang R, Haljasmägi L, Migaud M, Särekannu K, Maslovskaja J, de Prost N, Tandjaoui-Lambiotte Y, Luyt CE, Amador-Borrero B, Gaudet A, Poissy J, Morel P, Richard P, Cognasse F, Troya J, Trouillet-Assant S, Belot A, Saker K, Garçon P, Rivière JG, Lagier JC, Gentile S, Rosen LB, Shaw E, Morio T, Tanaka J, Dalmau D, Tharoux PL, Sene D, Stepanian A, Megarbane B, Triantafyllia V, Fekkar A, Heath JR, Franco JL, Anaya JM, Solé-Violán J, Imberti L, Biondi A, Bonfanti P, **Castagnoli R**, Delmonte OM, Zhang Y, Snow AL, Holland SM, Biggs C, Moncada-Vélez M, Arias AA, Lorenzo L, Boucherit S, Coulibaly B, Anglicheau D, Planas AM,

Haerynck F, Duvlis S, Nussbaum RL, Ozcelik T, Keles S, Bousfiha AA, El Bakkouri J, Ramirez-Santana C, Paul S, Pan-Hammarström Q, Hammarström L, Dupont A, Kurolap A, Metz CN, Aiuti A, Casari G, Lampasona V, Ciceri F, Barreiros LA, Dominguez-Garrido E, Vidigal M, Zatz M, van de Beek D, Sahanic S, Tancevski I, Stepanovskyy Y, Boyarchuk O, Nukui Y, Tsumura M, Vidaur L, Tangye SG, Burrell S, Duffy D, Quintana-Murci L, Klocperk A, Kann NY, Shcherbina A, Lau YL, Leung D, Coulangeat M, Marlet J, Koning R, Reyes LF, Chauvineau-Grenier A, Venet F, Monneret G, Nussenzweig MC, Arrestier R, Boudhabhay I, Baris-Feldman H, Hagin D, Wauters J, Meyts I, Dyer AH, Kennelly SP, Bourke NM, Halwani R, Sharif-Askari NS, Dorgham K, Sallette J, Sedkaoui SM, AlKhater S, Rigo-Bonnin R, Morandeira F, Roussel L, Vinh DC, Ostrowski SR, Condino-Neto A, Prando C, Bonradenko A, Spaan AN, Gilardin L, Fellay J, Lyonnet S, Bilguvar K, Lifton RP, Mane S; HGID Lab; COVID Clinicians; COVID-STORM Clinicians; NIAID Immune Response to COVID Group; NH-COVAIR Study Group; Danish CHGE; Danish Blood Donor Study; St. James's Hospital; SARS CoV2 Interest group; French COVID Cohort Study Group; Imagine COVID-Group; Milieu Intérieur Consortium; CoV-Contact Cohort; Amsterdam UMC Covid-19; Biobank Investigators; COVID Human Genetic Effort; CONSTANCES cohort; 3C-Dijon Study; Cerba Health-Care; Etablissement du Sang study group, Anderson MS, Boisson B, Béziat V, Zhang SY, Vandreakos E, Hermine O, Pujol A, Peterson P, Mogensen TH, Rowen L, Mond J, Durette S, de Lamballerie X, Duval X, Mentré F, Zins M, Soler-Palacin P, Colobran R, Gorochov G, Solanich X, Susen S, Martinez-Picado J, Raoult D, Vasse M, Gregersen PK, Piemonti L, Rodríguez-Gallego C, Notarangelo LD, Su HC, Kisand K, Okada S, Puel A, Jouanguy E, Rice CM, Tiberghien P, Zhang Q, Cobat A, Abel L, Casanova JL. Autoantibodies neutralizing type I IFNs are present in ~4% of uninfected individuals over 70 years old and account for ~20% of COVID-19 deaths. *Sci Immunol*. 2021 Aug 19;6(62):eabl4340. doi: 10.1126/sciimmunol.abl4340. PMID: 34413139; PMCID: PMC8521484.  
**IF: 17.727**

20 2021 Abers MS, Delmonte OM, Ricotta EE, Fintzi J, Fink DL, de Jesus AAA, Zarembek KA, Alehashemi S, Oikonomou V, Desai JV, Canna SW, Shakoory B, Dobbs K, Imberti L, Sottini A, Quiros-Roldan E, Castelli F, Rossi C, Brugnoni D, Biondi A, Bettini LR, D'Angio' M, Bonfanti P, **Castagnoli R**, Montagna D, Licari A, Marseglia GL, Gliniewicz EF, Shaw E, Kahle DE, Rastegar AT, Stack M, Myint-Hpu K, Levinson SL, DiNubile MJ, Chertow DW, Burbelo PD, Cohen JI, Calvo KR, Tsang JS; NIAID COVID-19 Consortium, Su HC, Gallin JI, Kuhns DB, Goldbach-Mansky R, Lionakis MS, Notarangelo LD. An immune-based biomarker signature is associated with mortality in COVID-19 patients. *JCI Insight*. 2021 Jan 11;6(1):e144455. doi: 10.1172/jci.insight.144455. PMID: 33232303; PMCID: PMC7821609.  
**IF: 8.315**

21 2021 De Filippo M, Votto M, Brambilla I, **Castagnoli R**, Montagna L, Caffarelli C, Cardinale F, Miraglia Del Giudice M, Tosca M, Caimmi S, Licari A, Marseglia GL. Allergy and COVID-19. *Acta Biomed*. 2021 Nov 29;92(S7):e2021522. doi: 10.23750/abm.v92iS7.12402. PMID: 34842592.



**IF: 1.352**

- 22 2021 Votto M, De Filippo M, **Castagnoli R**, Delle Cave F, Giffoni F, Santi V, Vergani M, Caffarelli C, De Amici M, Marseglia GL, Licari A. Non-invasive biomarkers of eosinophilic esophagitis. *Acta Biomed.* 2021 Nov 29;92(S7):e2021530. doi: 10.23750/abm.v92iS7.12401. PMID: 34842593. **IF: 1.352**
- 23 2021 Cinicola B, Pulvirenti F, Brindisi G, Marseglia GL, **Castagnoli R**, Foiadelli T, Caffarelli C, Licari A, Miraglia Del Giudice M, Zicari AM, Duse M, Cardinale F. Tailored therapies for primary immunodeficiencies. *Acta Biomed.* 2021 Nov 29;92(S7):e2021520. doi: 10.23750/abm.v92iS7.12406. PMID: 34842590. **IF: 1.352**
- 24 2021 Barni S, Arasi S, Mastrotrilli C, Pecoraro L, Giovannini M, Mori F, Liotti L, Saretta F, **Castagnoli R**, Caminiti L, Cianferoni A, Novembre E. Pediatric eosinophilic esophagitis: a review for the clinician. *Ital J Pediatr.* 2021 Nov 22;47(1):230. doi: 10.1186/s13052-021-01178-2. PMID: 34809686; PMCID: PMC8609874. **IF: 2.638**
- 25 2021 **Castagnoli R\***, Pala F\*, Bosticardo M, Licari A, Delmonte OM, Villa A, Marseglia GL, Notarangelo LD. Gut Microbiota-Host Interactions in Inborn Errors of Immunity. *Int J Mol Sci.* 2021 Jan 31;22(3):1416. doi: 10.3390/ijms22031416. PMID: 33572538; PMCID: PMC7866830. **IF: 5.924**
- 26 2021 Saretta F, Giovannini M, Mori F, Arasi S, Liotti L, Pecoraro L, Barni S, **Castagnoli R**, Mastrotrilli C, Caminiti L, Marseglia GL, Novembre E. Alpha-Gal Syndrome in Children: Peculiarities of a "Tick-Borne" Allergic Disease. *Front Pediatr.* 2021 Dec 23;9:801753. doi: 10.3389/fped.2021.801753. PMID: 35004549; PMCID: PMC8732990. **IF: 3.418**
- 27 2021 Arasi S, Mastrotrilli C, Pecoraro L, Giovannini M, Mori F, Barni S, Caminiti L, **Castagnoli R**, Liotti L, Saretta F, Marseglia GL, Novembre E. Heiner Syndrome and Milk Hypersensitivity: An Updated Overview on the Current Evidence. *Nutrients.* 2021 May 18;13(5):1710. doi: 10.3390/nu13051710. PMID: 34070007; PMCID: PMC8157832. **IF: 5.719**
- 28 2021 **Castagnoli R**, Lougaris V, Giardino G, Volpi S, Leonardi L, La Torre F, Federici S, Corrente S, Cinicola BL, Soresina A, Cancrini C, Marseglia GL, Cardinale F; Immunology Task Force of the Italian Society of Pediatric Allergy and Immunology (SIAIP). Inborn errors of immunity with atopic phenotypes: A practical guide for allergists. *World Allergy Organ J.* 2021 Feb 22;14(2):100513. doi: 10.1016/j.waojou.2021.100513. PMID: 33717395; PMCID: PMC7907539. **IF: 4.084**

- 29 | 2021 | Licari A, **Castagnoli R**, Votto M, Marseglia G, Ciprandi G. The relevance of symptom perception in the management of severe asthma in adolescents. *Recenti Prog Med*. 2021 Jul-Aug;112(7):529-531. doi: 10.1701/3638.36188. PMID: 34263880.  
**IF: NA**
- 30 | 2021 | **Castagnoli R**, Giovannini M, Mori F, Barni S, Pecoraro L, Arasi S, Saretta F, Mastroilli C, Liotti L, Caminiti L, Sturm GJ, Marseglia GL, Novembre E. Unusual Reactions to Hymenoptera Stings: Current Knowledge and Unmet Needs in the Pediatric Population. *Front Med (Lausanne)*. 2021 Nov 26;8:717290. doi: 10.3389/fmed.2021.717290. PMID: 34901051; PMCID: PMC8661053.  
**IF: 5.093**
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### **Publications in Italian journals**

- 1 | 2021 | **Castagnoli R**. Nuove evidenze sulla terapia per la Sindrome Infiammatoria Multisistemica nei bambini (MIS-C). *Riflessioni Universo Pediatria*, Anno XVI – 2021 – N.2

- 2 2021 La sindrome da alpha-gal nell'adulto e nel bambino. A cura della Commissione Malattie Allergiche e Rare della SIAIP: Novembre E, Mori F, Barni S, Giovannini M, Saretta F, **Castagnoli R**, Arasi S, Mastrotrilli C, Pecoraro L, Liotti L, Caminiti L. Rivista di Immunologia e Allergologia Pediatrica.
- 3 2021 **Castagnoli R**. COVID-19 in gravidanza: quali effetti sulla mamma e sul neonato? Riflessioni Universo Pediatria, Anno XVI – 2021 – N.1
- 4 2021 Immunodeficienze primitive e autoimmunità: meccanismi d'azione, nuovi geni e manifestazioni cliniche inusuali. A cura della Commissione SIAIP "Immunologia" - Cancrini C, **Castagnoli R**, Cinicola BL, Corrente S, Federici S, Giardino G, La Torre F, Leonardi L, Lougaris V, Soresina A, Volpi S, Marseglia GL, Cardinale F. Rivista di Immunologia e Allergologia Pediatrica.
- 5 2021 Kounis syndrome: a pediatric perspective. A cura della Commissione Malattie Allergiche e Rare della SIAIP: Novembre E, Mori F, Barni S, Giovannini M, Saretta F, **Castagnoli R**, Arasi S, Mastrotrilli C, Pecoraro L, Liotti L, Caminiti L. Rivista di Immunologia e Allergologia Pediatrica.
- 6 2020 Documento SIAIP a cura delle Commissioni SIAIP "Immunologia" - Cancrini C, **Castagnoli R**, Cinicola BL, Corrente S, Federici S, Giardino G, La Torre F, Leonardi L, Lougaris V, Soresina A, Volpi S, Marseglia GL, Cardinale F - e "Famiglia, scuola, associazioni": Documento sulla gestione a scuola di bambini e adolescenti con allergie ed immunodeficienze primitive, in corso di pandemia COVID-19.
- 7 2020 Aspetti immunologici pediatrici nell'era COVID-19. A cura della Commissione SIAIP "Immunologia" - Cancrini C, **Castagnoli R**, Cinicola BL, Corrente S, Federici S, Giardino G, La Torre F, Leonardi L, Lougaris V, Soresina A, Volpi S, Marseglia GL, Cardinale F. Rivista di Immunologia e Allergologia Pediatrica.
- 8 2020 Allergia al veleno di imenotteri in età pediatrica. A cura della Commissione Malattie Allergiche e Rare della SIAIP: Novembre E, Mori F, Barni S, Giovannini M, Saretta F, **Castagnoli R**, Arasi S, Mastrotrilli C, Pecoraro L, Liotti L, Caminiti L. Rivista di Immunologia e Allergologia Pediatrica.
- 9 2020 La Drug Induced Enterocolitis Syndrome (DIES): una nuova sindrome da conoscere. A cura della Commissione Malattie Allergiche e Rare della SIAIP: Novembre E, Mori F, Barni S, Giovannini M, Saretta F, **Castagnoli R**, Arasi S, Mastrotrilli C, Pecoraro L, Liotti L, Caminiti L. Rivista di Immunologia e Allergologia Pediatrica.
- 10 2020 Malattie allergiche rare del bambino e infezione da COVID-19. A cura della Commissione Malattie Allergiche e Rare della SIAIP: Novembre E, Mori F, Barni S, Giovannini M, Saretta F, **Castagnoli R**, Arasi S, Mastrotrilli C, Pecoraro L, Liotti L, Caminiti L. Rivista di Immunologia e Allergologia Pediatrica.

- 11 2020 Di Vincenzo G, Gregnanin M, **Castagnoli R**. Nuove evidenze sul ruolo dei bambini nella trasmissione di SARS-CoV-2. *Riflessioni Universo Pediatria*, Anno XV – 2020 – N.2
- 12 2019 **Castagnoli R**. Il trapianto di cellule staminali ematopoietiche nelle immunodeficienze primitive: analisi delle evidenze. *Rivista di Immunologia e Allergologia Pediatrica*.
- 13 2019 **Castagnoli R**. Esiste una correlazione tra il tempo passato davanti allo schermo e la depressione negli adolescenti? *Riflessioni Universo Pediatria*, Anno XIV – 2019 – N.3
- 14 2019 **Castagnoli R**, Vivaldo A. Come classificare le manifestazioni cutanee da ipersensibilità a farmaci. *Riflessioni Universo Pediatria*, Anno XIV – 2019 – N.2
- 15 2019 **Castagnoli R**, Vivaldo A. Prevalenza e caratteristiche cliniche dell'orticaria cronica spontanea nei pazienti pediatrici. *Riflessioni Universo Pediatria*, Anno XIV – 2019 – N.1
- 16 2019 Giovannini M, Mastroianni C, Pecoraro L, **Castagnoli R**. Controversie in *Allergologia Pediatrica*, parte II. *Rivista di Immunologia e Allergologia Pediatrica (RIAP)*, 2, 2019.
- 17 2019 Giovannini M, Mastroianni C, Pecoraro L, **Castagnoli R**. Controversie in *Allergologia Pediatrica*, parte I. *Rivista di Immunologia e Allergologia Pediatrica (RIAP)*, 1, 2019.
- 18 2018 **Castagnoli R**, Vivaldo A, Marseglia GL. Manifestazioni dermatologiche nelle immunodeficienze primitive. *AIP Informa*, Anno XIX, 2018, N.2
- 19 2018 **Castagnoli R**. Novità sulla classificazione delle immunodeficienze primitive. *Newsletter della Società Italiana di Allergologia, Asma ed Immunologia Clinica*, 09/2018.
- 20 2018 Vivaldo A, **Castagnoli R**. Il mio bambino si ammala troppo? Contributo educativo per la Società Italiana di Allergologia e Immunologia Pediatrica (SIAP).
- 21 2018 **Castagnoli R**, Ippolito R. Può il counseling medico migliorare l'aderenza al piano vaccinale? *Riflessioni Universo Pediatria*, Anno XIII – 2018 – N.1
- 22 2017 **Castagnoli R**, L'obesità del bambino come rischio di obesità nell'adulto *Riflessioni Universo Pediatria*, Anno XII – 2017 – N.4
- 23 2017 **Castagnoli R**, Ippolito R. Immunizzazione materna. *Riflessioni Universo Pediatria*, Anno XII – 2017 – N.3
- 24 2017 **Castagnoli R**, L'obesità del bambino come rischio di obesità nell'adulto *Riflessioni Universo Pediatria*, Anno XII – 2017 – N.4

- 25 2017 **Castagnoli R.** Ruolo dell'ossigeno ad alti flussi nella terapia dei bambini con bronchiolite. *Riflessioni Universo Pediatria*, Anno XII – 2017 – N.1
- 26 2017 **Castagnoli R**, Licari A. Rinite: non solo allergia. Il resoconto dei vincitori dei contributi formativi della SIMRI. XXI Congresso Nazionale SIMRI – Ottobre 2017.
- 27 2016 **Castagnoli R.** Curare i bambini per prevenire patologie croniche in età adulta: le origini in età pediatrica della BroncoPneumopatia Cronica Ostruttiva (BPCO). *Riflessioni Universo Pediatria*, Anno XI – 2016 – N.4
- 28 2016 **Castagnoli R.** Un importante passo avanti nella comprensione della patogenesi delle malattie allergiche. *Riflessioni Universo Pediatria*, Anno XI – 2016 – N.3
- 29 2016 **Castagnoli R.** Novità dalla letteratura sulle malattie autoinfiammatorie. *Riflessioni Universo Pediatria*, Anno XI – 2016 – N.2
- 30 2016 **Castagnoli R.** Review on new PID classification. *Riflessioni Universo Pediatria*, Anno XI – 2016 – N.1
- 31 2015 Caimmi D, **Castagnoli R**, Marseglia GL. Letto e commentato SIAIP, Immunomodulating properties of protein hydrolysates for application in cow's milk allergy. *Rivista di Immunologia e Allergologia Pediatrica (RIAP)*, 3, 2015.
- 32 2014 Marseglia GL, **Castagnoli R**, Indinnimeo L. Yearbook 2014: Immunologia, Allergologia e Pneumologia. *Riflessioni Universo Pediatria*, Anno X - Supplemento al N. 1 - 2015 ISSN 2039-8344
- 33 2014 **Castagnoli R**, Valsecchi C, Tagliacarne SC, Caimmi S, Licari A, Leoni MC, Castellazzi AM, Marseglia GL. Il Ruolo dei Probiotici nelle Infezioni Respiratorie in Età Pediatrica, *Pneumologia Pediatrica*, Ottobre 2014
- 34 2014 Mascolo A, Zavras N, Armano C, **Castagnoli R**, Guardo D. Tubercolosi in età pediatrica: highlights, *Riflessioni Universo Pediatria*, Giugno 2014
- 35 2014 Foadelli T, Gagliardone C, Algeri M, Domenech V, **Castagnoli R**, Marseglia G.L. La gestione terapeutica delle infezioni delle alte vie respiratorie in età pediatrica: due esempi paradigmatici, *Riflessioni Universo Pediatria*, Marzo 2014
- 36 2013 Licari A, Marseglia A, Brambilla M, **Castagnoli R**, Cugno M, Guardo D, Garlisi L, Manca E, Nigro L, Marseglia GL. Asma in età pediatrica: gestione pratica della terapia. *Il Pediatra* 2013; 10: 38-45.

## ■ Book Chapters

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- **Book “Immunologia e Allergologia pediatrica”**, Authors: Ugazio A.G. and Marseglia G.L., II Edizione, 2019, Pacini Editore.
- **Book “Pediatrics”**, Authors: Bona G., Miniero R., X Edizione, 2018, Edizioni Minerva Medica.
- **Book “Immunologia e Allergologia pediatrica”**, Authors: Ugazio A.G. and Marseglia G.L., I Edizione, 2017, Pacini Editore.

## ■ Oral Communications

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- **Immunopatogenesi del COVID pediatrico: nuove evidenze.** Sessione Pediatria Futura. Congresso nazionale della Societa' Italiana di Pediatria (SIP). 27/05/2021. **Lecturer**
- **Corso di Formazione a Distanza SIAIP\_Gestione critica del bambino con infezioni respiratorie ricorrenti: la lezione delle nuove linee guida nazionali\_Quando sospettare un'immunodeficienza.** March 2021. **Lecturer**
- **COVID-19 in Clinica Pediatrica a Pavia.** MercoledìSIP, Sezione regionale SIP Lombardia. 13 Gennaio 2021. **Lecturer**
- **Defining intestinal tissue pathology and microbiota/metabolome composition in mice carrying Rag1 hypomorphic mutations.** EAACI Congress 2020. Virtual Edition, 6-8 June 2020. **Lecturer**
- **Immune system out of control: a clinical case on the verge of immunodeficiency and immune dysregulation.** 40th Congress UMEMPS Union Middle Eastern and Mediterranean Pediatric Societies 2019. Cagliari, Italy. 24-26/10/2019. **Lecturer**
- **Characterization of intestinal tissue pathology and microbiota composition in mice carrying Rag1 hypomorphic mutations.** Pediatric Allergy and Asthma Meeting (PAAM) 2019. Florence, Italy. 17-19/10/2019. **Lecturer** in the High Level Summit on Primary Immunodeficiencies. **Award: selected oral communication.**
- **Caratterizzazione dell'infiammazione e autoimmunità intestinale in modelli murini con mutazioni ipomorfiche del gene Rag1.** SIRP (Italian Society of Pediatric Research), Brescia, Italy. 10-11/10/2019. **Lecturer**
- **Characterization of Gut Inflammation and Autoimmunity in Mice Carrying Rag1 Hypomorphic Mutations** At NIAID Genomics and Immunology Brown Bag series, NIAID, National Institutes of Health, Bethesda, USA. 18/06/2019. **Lecturer**
- **Caratterizzazione dell'infiammazione e autoimmunità intestinale in modelli murini con mutazioni ipomorfiche del gene Rag1.** SIAIP (Italian Society of Pediatric Immunology and Allergology), Milan, Italy. 16-18/05/2019. **Lecturer**

- **Characterization of gut inflammation and autoimmunity in mice carrying *Rag1* hypomorphic mutations. Preliminary data.** CIS (Clinical Immunology Society) meeting, Atlanta 4-7/04/2019. **Lecturer – Grant Clinical Immunology Society**
- **Allergen Immunotherapy Session** at SIAIP (Italian Society of Pediatric Immunology and Allergology) XXI congresso nazionale, Milano 05/2019 **Discussant**
- **Situazione attuale e prospettive future Junior Members SIAIP.** SIAIP (Italian Society of Pediatric Immunology and Allergology) XXI congresso nazionale, Milano 05/2019 **Lecturer**
- **Situazione attuale e prospettive future Junior Members SIAIP.** SIAIP (Italian Society of Pediatric Immunology and Allergology) XX congresso nazionale, Milano 05/2018 **Lecturer**
- **Deficit primitivo selettivo di IgM: caratterizzazione del fenotipo clinico e immunologico in età pediatrica** IPINET 2018 Palermo **Lecturer**
- **Situazione attuale e prospettive future Junior Members SIAIP.** SIAIP interregionale Umbria-Marche-Toscana, Città di Castello 2018 **Lecturer**
- **Omalizumab for the treatment of chronic idiopathic/spontaneous urticaria in children.** EAACI (European Academy of Allergy and Clinical Immunology) 2017 Helsinki - **Lecturer – Grant EAACI**
- **Deficit primitivo selettivo di IgM: caratterizzazione del fenotipo clinico e immunologico in età pediatrica** IPINET 2017 Torino **Lecturer**
- **Deficit primitivo selettivo di IgM: caratterizzazione del fenotipo clinico e immunologico in età pediatrica** SIAIP 2017 Riva del Garda **Lecturer**
- **Esofagite eosinofila ed ernia diaframmatica congenita** Congress ONSP (Italian Society of Pediatric Resident) 2017 Riccione **Lecturer**
- **Ruolo del test di attivazione dei basofili nel work-up dei bambini con allergia all'uovo** 18° Congress SIAIP (Italian Society of Pediatric Immunology and Allergology), Palermo 03-05/06/2016 – **Lecturer**
- **Deficit primitivo selettivo di IgM: proposta di studio clinico** Congress IPINET (Italian Primary Immunodeficiencies Network), Taormina, 26-27/05/2016 – **Lecturer– Grant IPINET**
- **Eritromelalgia** Congress ONSP (Italian Society of Pediatric Resident) “Specilità e Professione in Pediatria” Riccione, 3-5/03/3016– **Lecturer**
- **Ruolo del test di attivazione dei basofili nel work-up dei bambini con allergia all'uovo** Congress SIAIP (Italian Society of Pediatric Immunology and Allergology) Emilia Romagna Ferrara, 25-26/02/2016– **Lecturer**



- **Omalizumab in età pediatrica: novità dalla letteratura e presentazione di dati clinici *real life*** 17° Congress SIAIP (Italian Society of Pediatric Immunology and Allergology), Rome, 24-26/09/2015 – **Lecturer**

### ■ Ongoing Projects

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- Principal Investigator (PI) for the University of Pavia – IRCCS Policlinico San Matteo, Pavia for the collaborative project led by the National Institutes of Health (NIH): **Comprehensive analyses of innate and adaptive immune responses during acute COVID-19 infection and convalescence.**

- Collaborator for the National Institutes of Health (NIH) project: **"Characterization of intestinal tissue pathology and microbiota composition in mice carrying Rag1 hypomorphic mutations"**. PI: Prof. Luigi Daniele Notarangelo. Riccardo Castagnoli received a grant from Collegio Ghislieri Research Center for the year 2020 to develop this project.

### ■ Grants and Awards

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- 2020 Grant from Collegio Ghislieri Research Center for the development of the project: **"Characterization of intestinal tissue pathology and microbiota composition in mice carrying Rag1 hypomorphic mutations"**.

- From 5/2019 to present: **member of EAACI (European Academy of Allergy and Clinical Immunology) NAS (National Allergy Societies) JM Committee.** The NAS Committee is a platform which brings together European NAS, the Chairperson of the International Societies Council and EAACI representatives in order to facilitate constant communication and improve the collaboration on various issues and activities regarding allergy and clinical immunology.

- From 5/2017 to present: **National Juniors Representative – Italian Society of Pediatric Allergy and Immunology (SIAIP) - Società Italiana di Allergologia ed Immunologia Pediatrica (SIAIP)**

Promote Junior Members' continuous educational needs

Enhance the communication among Junior and Senior Members of the Society

- From 9/2019 to present: **member of the Immunology Task Force of the Italian Society of Pediatric Allergy and Immunology (SIAIP) - Società Italiana di Allergologia ed Immunologia Pediatrica (SIAIP)**

- From 9/2019 to present: **Juniors Representative of Lombardy region – Italian Society of Pediatric Allergy and Immunology (SIAIP) - Società Italiana di Allergologia ed Immunologia Pediatrica (SIAIP)**

- **Award for the selected oral communication** at Pediatric Allergy and Asthma Meeting (PAAM) EAACI 2019. Florence, Italy. 17-19/10/2019.

- **Grant CIS (Clinical Immunology Society)** for the project “Characterization of gut inflammation and autoimmunity in mice carrying *Rag1* hypomorphic mutations” to attend the CIS meeting in Atlanta (4-7/04/2019)
- From 05/2016 to 05/2018: **Representative of Medical Residents** for the Department of Clinical, Surgical, Diagnostic and Pediatric Sciences at the University of Pavia.
- **Travel grant EAACI** (European Academy of Allergy and Clinical Immunology) for EAACI Congress 2017 Helsinki (17-21/06/2017).
- **Grant IPINET** (Italian Primary Immunodeficiencies NETWORK), May 2016, for the study “Selective Deficit of IgM (SIgMID) in the Italian pediatric population”
- **Travel grant EAACI** (European Academy of Allergy and Clinical Immunology) for EAACI Congress 2014 Copenhagen (7-11/06/2014).
- **Grant from Collegio Ghislieri** for the Course “Nuovi bersagli di terapia cellulare” (Pavia -12-16/05/2014)
- **Awarded with the citation in the Italian National Register of Excellence** (“Albo nazionale delle eccellenze”) for being among the winners of the Certamen Ciceronianum Arpinas 2007
- Scuola Normale Superiore di Pisa – University Preparation Program 07/2006 - **after national merit selection process**

#### ■ Affiliations to Scientific Societies

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##### Member of:

- ESID (European Society for Immunodeficiencies)
- CIS (Clinical Immunology Society)
- PRES (Paediatric Rheumatology European Society)
- EAACI (European Academy of Allergy and Clinical Immunology)
- SIP (Italian Pediatric Society)
- SIAIP (Italian Society of Pediatric Immunology and Allergology)
- SIRP (Italian Society of Pediatric Research)
- AIEOP (Italian Pediatric Oncology and Hematology Society)/IPINET (Italian Primary Immunodeficiencies Network)
- SIMRI (Italian Society of Pediatric Pulmonology)
- ERS (European Respiratory Society)

#### ■ Editorial roles

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- Associate Editor and Review Editor for the journal “Frontiers in Allergy” (<https://loop.frontiersin.org/people/633773/overview>)
- Review Editor for the journal “Frontiers in Pediatrics” section “Pediatric Immunology” (<https://loop.frontiersin.org/people/633773/overview>)

- Member of the Editorial Committee for SIAIP (Italian Society of Pediatric Immunology and Allergology)

### ■ Congress Scientific/Organizing Committee

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- Member of the Organizing Committee for the Congress "SIAIP National Congress", Virtual Edition, Italy, 24-27/04/2021.

- Member of the Organizing Committee for the Congress "SIAIP National Congress", Virtual Edition, Italy, 23-24/06/2020.

- Member of the Scientific Committee for the Congress "1° Corso di Immunologia ed Allergologia Pediatrica", Pavia, Italy, 7-9/11/2019.

### ■ Posters

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#### **Posters in English**

- Oguz C, Delmonte OM, Sacco K, Vakkilainen S, Castagnoli R, Dobbs K, Lack JB, Notarangelo LD. **High throughput sequencing of T and B cell receptors in healthy controls, and MIS-C and COVID-19 patients reveals predictive immune repertoire and HLA restriction signatures.** Genome Informatics, Cold Spring Harbor Laboratory, Novembre 3-6 2021.

- Delmonte OM, Castagnoli R, Dela Cruz M, Chang C, Yu J, Dvorak CC, Chandra S, Davila Saldana B, Cowan MJ, Notarangelo LD, Puck J. **Low T-Cell Receptor  $\beta$  (TRB) Repertoire diversity Early Post-Transplant for Severe Combined Immunodeficiency (SCID) Predicts Subsequent Failure of Immune Reconstitution.** 2020 TCT Transplantation & Cellular Therapy Meetings. Orlando, Florida, USA.

- Castagnoli R, Pala F, Bosticardo M, Fontana E, Subramanian P, Lim A.I, Delmonte OM, Corsino C, Dobbs K, Rigoni R, Ott de Bruin L, Conlan S.P, Deming C, Falcone E, Han Y., Lionakis M, Oikonomou V, Fink D, Quinones M, Kuhns D.B., Belkaid Y, Segre J, Marseglia GL, Villa A, Notarangelo L.D. **Characterization of intestinal tissue pathology and microbiota composition in mice carrying Rag1 hypomorphic mutations.** Pediatric Allergy and Asthma Meeting (PAAM) 2019. Florence, Italy. *Presenting author. Award for the selected oral communication.*

- Castagnoli R, Bosticardo M, Rigoni R, Fontana E, Delmonte OM, Ott de Bruin LM, Manis JP, Corsino C, Yu Han, Falcone E, Villa A, Notarangelo LD. **Characterization of Gut Inflammation and Autoimmunity in Mice Carrying Rag1 Hypomorphic Mutations. Preliminary Data.** CIS (Clinical Immunology Society) meeting, Atlanta 4-7/04/2019. Journal of Clinical Immunology, 39, S39-S40. *Presenting author. CIS Grant winner.*

- Delmonte OM, Castagnoli R, Cowan MJ, Dvorak CC, Kohn DB, Malech HL, Notarangelo LD, Puck J. **Quantitation of T Cell Repertoire Diversity Following Treatment for SCID.**

CIS (Clinical Immunology Society) meeting, Atlanta 4-7/04/2019. Journal of Clinical Immunology, 39, S137-S138

- Delmonte OM, Castagnoli R, Daley S, Dobbs K, Bosticardo M, Hua S, Uzel G, Notarangelo LD. **NGS Reveals Repertoire Restriction of Treg Cells in APDS1 Patients.** CIS (Clinical Immunology Society) meeting, Atlanta 4-7/04/2019. Journal of Clinical Immunology, 39, S86-S87

- Licari A, Marseglia A, De Amici M, Castagnoli R, Torre C, Sacchi L, Barocci F, Marseglia GL. **Basophil activation test in the diagnosis of cow milk's allergy.** EAACI (European Academy of Allergy and Clinical Immunology) 2019 Lisbon.

- Licari A, Castagnoli R, De Filippo M, Mascolo A, Ruffinazzi G, Marseglia A, Leone M, Marseglia GL. **Omalizumab for the treatment of chronic idiopathic/spontaneous urticaria in children.** EAACI (European Academy of Allergy and Clinical Immunology) 2017 Helsinki. *Presenting author*

- Poster EAACI (European Academy of Allergy and Clinical Immunology) 2016 Vienna, **Rituximab hypersensitivity reaction in a child with nephrotic syndrome: a case report**

- Caimmi S, De Amici M, Caimmi D, Licari A, Marseglia A, Castagnoli R, Trovamala V, Torre C, Nigrisoli S, Marseglia GL. **Drug allergy: epidemiology of a cohort of pediatric patient,** EAACI congress 2015. *Abstract prize winner of thematic poster session*

- Licari A, De Amici M, Marseglia A, Caimmi S, Caimmi D, Trovamala V, Castagnoli R, Torre C, Nigrisoli S, Testa G, Marseglia GL. **The use of basophil activation test to diagnose egg-allergy in children,** EAACI congress 2015.

- De Amici M, Castagnoli R, Caimmi S, Licari A, Marseglia A, De Silvestri A, Torre C, Leoni M.C, Marseglia G.L. **Egg allergy: diagnosis and benefit of Basophilic Activation Test.** EAACI congress 2014. *Presenting author*

- Caimmi S, Caimmi D, De Amici M, Artusio L, Zavras N, Castagnoli R, Bosa L, Marseglia G.L. **Allergy Work-up in a Child Undergoing General Anesthesia, with suspected latex allergy.** EAACI congress 2014. *Presenting author*

- De Amici M, Vignini M.A, Caimmi D, Caimmi S, Castagnoli R, Torre C, Marseglia G.L. **Amiodarone hypersensitivity reaction and basophil activation test,** EAACI congress 2014. *Presenting author*

- De Amici M, Vignini M.A, Caimmi D, Caimmi S, Castagnoli R, Torre C, Marseglia G.L. **Allergic reaction to oral Furosemide,** EAACI congress 2014. *Presenting author*

- De Amici M, Leoni M.C, Cugno M, Caimmi S, Licari A, Marseglia A, Castagnoli R, Marseglia G.L. **Predicting challenge outcomes in children: role of histamine levels**, EAACI congress 2014. Presenting author

### **Posters in Italian**

- Poster Congresso SIAIP (Italian Society of Pediatric Immunology and Allergology) 2018 Milano. **Deficit primitivo selettivo di IgM: caratterizzazione del fenotipo clinico e immunologico in età pediatrica.**

- Poster Congresso SIAIP (Italian Society of Pediatric Immunology and Allergology) 2018 Milano. **Terapie biologiche in paziente con ASA syndrome.**

- Poster Congresso SIAIP (Italian Society of Pediatric Immunology and Allergology) 2018 Milano. **Fenotipi, endotipi e biomarkers nell'asma pediatrica.**

- Poster Congresso SIAIP (Italian Society of Pediatric Immunology and Allergology) 2018 Milano. **Cosa si nasconde dietro questa sensibilizzazione? Quando l'allergia rappresenta solo la punta dell'iceberg.**

- Poster Congresso SIAIP (Italian Society of Pediatric Immunology and Allergology) 2018 Milano. **Il ruolo dell'età nei meccanismi di sensibilizzazione a nBos d8.**

- Poster Congresso nazionale ONSP (Italian Society of Pediatric Resident), March 2018, Riccione. **Sepsi o non sepsi, that is the question.**

- Poster SIMRI (Italian Society of Pediatric Pulmonology) 2017 Napoli. **Le malformazioni artero-venose polmonari.**

- Poster SIAIP (Italian Society of Pediatric Immunology and Allergology) 2017 Firenze. **Terapia con Omalizumab nell'orticaria cronica spontanea.**

- Poster Congresso nazionale ONSP (Italian Society of Pediatric Resident), March 2017, Riccione. **Esofagite eosinofile e ernia diaframmatica.**

- Poster Congresso nazionale ONSP (Italian Society of Pediatric Resident), March 2017, Riccione. **Malattia di Cushing.**

- Poster SIAIP (Italian Society of Pediatric Immunology and Allergology) 2016 Palermo, **Immunità adenoidea in età pediatrica: effetti del fumo passivo sulla risposta immunitaria locale.** Presenting author

- Poster Congresso nazionale ONSP (Italian Society of Pediatric Resident), March 2016, Riccione. **Un caso di Eritromelalgia.** Presenting author
- Poster GdS Reumatologia (Italian Rheumatology Study Group) 2015 Trieste, **Utilità dell'ecografia delle ghiandole salivari nella diagnosi di un caso di sindrome di Sjögren ad esordio precoce.**
- Poster SIMRI (Italian Society of Pediatric Respiratory Diseases) 2015 Torino, **Terapia con Omalizumab nel bambino con asma allergico grave persistente: studio policentrico *real life* in età pediatrica**
- Poster SIAIP (Italian Society of Pediatric Immunology and Allergology) 2015 Roma, **Terapia con Omalizumab nel bambino con asma allergico grave persistente: studio policentrico *real life* in età pediatrica.** Presenting author
- Poster SIAIP (Italian Society of Pediatric Immunology and Allergology) 2015 Roma, **Studio retrospettivo sul miglioramento dei parametri clinici in pazienti pediatrici affetti da dermatite atopica dopo integrazione con Lactobacillus salivarius LS01 e Bifidobacterium breve BR03.** Presenting author
- Poster Congresso nazionale ONSP (Italian Society of Pediatric Resident), March 2015, Riccione. **Emorragia polmonare come esordio di malattia di Wegener.**
- Poster SIAIP (Italian Society of Pediatric Immunology and Allergology) 2014 Milan, **Il bambino con allergia all'uovo: caratterizzazione del fenotipo clinico e analisi critica dell'iter diagnostico.** Presenting author

## ■ Congresses

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- SIAIP (Italian Society of Pediatric Immunology and Allergology) National congress, Virtual Edition, 24-27/04/2021. **Lecturer**
- SIAIP (Italian Society of Pediatric Immunology and Allergology) National congress, Virtual Edition, 23-24/06/2020. **Lecturer**
- EAACI Congress 2020. Virtual Edition, 6-8 June 2020. **Lecturer**
- SIAIP (Italian Society of Pediatric Immunology and Allergology) Lombardia Regional congress, Bergamo 22-23/11/2019. **Lecturer**
- Congress "1° Corso di Immunologia ed Allergologia Pediatrica", Pavia, Italy, 7-9/11/2019. **Lecturer**
- 40th Congress UMEMPS Union Middle Eastern and Mediterranean Pediatric Societies 2019. Cagliari, Italy. 24-26/10/2019. **Lecturer**

- Pediatric Allergy and Asthma Meeting (PAAM) 2019. Florence, Italy. 17-19/10/2019. **Lecturer** in the High Level Summit on Primary Immunodeficiencies.
- SIRP (Italian Society of Pediatric Research), Brescia, Italy. 10-11/10/2019. **Lecturer**
- SIAIP (Italian Society of Pediatric Immunology and Allergology) XXI congress, Milano 05/2019 **Lecturer**
- CIS (Clinical Immunology Society), Atlanta (USA), 4-7/4/2019 **Lecturer**
- 2019 ERIC Workshop on Immunoglobulin Gene Analysis in Chronic Lymphocytic, National Institutes of Health, Bethesda, 27-28/9/2019
- Frontiers in Basic Immunology 2018, National Institutes of Health, Bethesda, 28-29/3/2019
- SIAIP (Italian Society of Pediatric Immunology and Allergology) XX congress, Milano 05/2018 **Lecturer**
- IPINET (Italian Primary Immunodeficiencies Network) Palermo 05/2018 **Lecturer**
- SIAIP (Italian Society of Pediatric Immunology and Allergology) Città di Castello 04/2018 **Lecturer**
- Investigator Meeting for a phase 2 study on Lumicitabine for Respiratory Syncytial Virus - Brussels 2017 **Role: Sub-investigator**
- SIMRI (Italian Society of Pediatric Pulmonology) Napoli 10/2017
- EAACI (European Academy of Allergy and Clinical Immunology) Helsinki 2017 **Lecturer**
- IPINET (Italian Primary Immunodeficiencies Network) Torino 05/2017 **Lecturer**
- 19° Congress SIAIP (Italian Society of Pediatric Immunology and Allergology), Firenze 05/2017
- SIAIP (Italian Society of Pediatric Immunology and Allergology) Riva del Garda 03/2017 **Lecturer**
- ONSP Riccione 03/2017 **Lecturer**
- Congress "Opinioni a confronto in Immuno-pneumo-allergologia Pediatrica", Pavia, 07-08/10/2016.
- 18° Congress SIAIP (Italian Society of Pediatric Immunology and Allergology), Palermo 03-05/06/2016 – **Lecturer**

- Congress IPINET (Italian Primary Immunodeficiencies Network), Taormina, 26-27/05/2016 – **Lecturer– Grant IPINET**
- Congress “Le patologie respiratorie in età pediatrica”, Pavia, 16/04/2016
- Congress ONSP (Italian Society of Pediatric Resident) “Specialità e Professione in Pediatria” – **Lecturer**, Riccione, 3-5/03/2016
- Congress SIAIP (Italian Society of Pediatric Immunology and Allergology) Emilia Romagna – **Lecturer**, Ferrara, 25-26/02/2016
- Congress “Approccio al bambino con immunodeficienza primitiva”, Milano, 20/02/2016
- Congress “PANDAS”, Como, 11/02/2016
- Congress “Opinioni a confronto in Immuno-pneumo-allergologia Pediatrica”, Pavia, 9-10/10/2015.
- 17° Congress SIAIP (Italian Society of Pediatric Immunology and Allergology) tenutosi a Roma dal 24 al 26/09/2015 – **Lecturer**
- Course “Alta Formazione Specialistica in Immuno-Pneumo-Allergologia Pediatrica”, Parma, 27-28/05/2015
- 36° “Maggio Pediatrico Pavese” – “L’adolescente eredita il bambino che ha in sé”, Pavia, 9/05/2015
- Congress di Reumatologia Pediatrica (Pediatric Rheumatology), Milano, 22/04/2015
- Congress SIN (Italian Society of Neonatology), Pozzolengo del Garda, 10/04/2015
- Congress “Neonatologia e Pediatria”, Milano, 13/12/2014.
- Course “Il controllo dell’asma in età pediatrica”, Milano, 11/11/2014.
- Congress “Opinioni a confronto in Immuno-pneumo-allergologia Pediatrica”, Pavia, 10-11/10/2014.
- Congress EAACI (European Academy for Allergy and Clinical Immunology) 2014 tenutosi a Copenhagen dal 7 al 11/06/2014
- Course “La sostituzione del medico di medicina generale: consigli e suggerimenti per i giovani medici”, Pavia, 29/05/2014
- Course “Lezioni di Medicina Molecolare”, Pavia, 12-15/05/2014
- 35° “Maggio Pediatrico Pavese, In ricordo del Professor Giuseppe Roberto Burgio”, Pavia, 10/05/2014



- Advanced Course “Broncopneumologia Pediatrica” (University of Pavia – Prof. Marseglia-, University of Padova – Prof. Baraldi-, University of Verona – Prof. Piacentini), Pavia, 16/04/2014
- 16° Congress SIAIP (Italian Society of Pediatric Immunology and Allergology), Milano 3-5/04/2014.
- Congress ONSP (Italian Society of Pediatric Resident) “Specialità e Professione in Pediatria”, Riccione, 6-8/03/2014
- Course “La tosse nel bambino”, Pavia, 08/02/2014
- Course “Il bambino con disturbi del sonno”, Pavia, 25/01/2014
- Course “L’asma difficile nel bambino”, SIAP (Italian Society of Pediatric Immunology and Allergology), Milano, 24/01/2014
- Course “Le malattie immuno-mediate: patogenesi e casi clinici”, Pavia, 11/2013
- Course “La tubercolosi dal bambino all’adulto”, Pavia, 12/11/2013
- Course “Gestione ragionata dell’asma difficile nel bambino”, Pavia, 26-27/09/2013
- 17° Congress SIMRI (Italian Society of Pediatric Respiratory Diseases), Bolzano, 19-21/09/2013
- “15th International Congress of Immunology (ICI)”, Milano, 22-27/08/2013
- “Basic Immunology course”, Proff. Abbas (University of California San Francisco) e Lichtman (Harvard Medical School, Boston), Milano, 22/08/2013
- Congress “Cibo e salute”, Chignolo Po, 08/06/2013
- Course “Ecografia Point-of-care” 16 hours 2012/2013, Pavia
- Congress “Bambino: immunità, infezione e allergia. Dai modelli biologici ai quadri clinici”, Pavia, 25/05/2013
- 34° “Maggio Pediatrico - La parola al consulente”, Pavia, 11/05/2013
- Course “Cellule staminali normali e tumorali”, Pavia, 15-18/04/2013
- Course “Immunità nel bambino e nell’adulto”, Pavia, 5-14-20-26/11/2012
- Congress “Opinioni a confronto in Immuno-pneumo-allergologia Pediatrica”, Pavia , 11-13/10/2012
- Congress “La chirurgia robotica: dalla teoria alla pratica”, Pavia, 28-29/09/2012
- 33° “Maggio Pediatrico Pavese: Vaccinare oggi”, Pavia, 05/05/2012

- Course "Approfondimenti in Pediatria - Adolescenza: età di confine" 8 hours a.a. 2012-2013, Pavia
- Course "Approfondimenti in Pediatria: farmaci e bambini" 8 hours a.a. 2011-2012, Pavia
- Congress "Opinioni a confronto in Immuno-pneumo-allergologia Pediatrica", Pavia, 7-8/10/2011
- 32° "Maggio Pediatrico Pavese", Pavia, 14/05/2011.
- Congress "Centenario dell'insegnamento della Pediatria nell'Università degli Studi di Pavia", Pavia, 06/11/2010.
- Course BLS (Basic Life Support) certification 27/10/2010
- Congress "Opinioni a confronto in Immuno-pneumo-allergologia Pediatrica", Pavia, 8-9/10/2010
- Congress "Le malattie metaboliche rare: aspetti diagnostici e assistenziali", Pavia, 16/09/2010.

Pavia, 04/07/2022

A handwritten signature in black ink, appearing to read "Roberto Castelli". The signature is fluid and cursive, with a prominent initial 'R' and a long, sweeping tail on the 'i'.