

## CURRICULUM VITAE

**Dott. Marco Gattorno**

### Studi

- Maturità scientifica nel Luglio del 1983
- Diploma di Laurea in **Medicina e Chirurgia** presso l'Università di Genova nell'Ottobre 1989 (110/110 e lode).
- Diploma di Specializzazione in **Clinica Pediatrica** presso l'Università di Genova nel Luglio 1993 (50/50 e lode)
- Diploma specializzazione in **Immunologia Clinica e Allergologia** presso l'Università di Genova nel Novembre 2003 (50/50)

### Training e incarichi assistenziali

- **Borse di studio/contratti di ricerca presso IRCCS "G. Gaslini":**  
Dal 9/91 all' 8/93: borsa di studio, Istituto di Puericultura;  
Dal 10/93 al 6/94; dal 5/95 al 9/95 e dal 10/96 al 4/97: contratto di ricerca, II Divisione di Pediatria  
Dal 12/95 al 2/96: contratto di ricerca, III Divisione di Pediatria.
- **Incarichi e supplenze presso IRCCS "G. Gaslini":**  
Dal 7/94 al 4/95: assistente supplente, II Divisione di Pediatria;  
Dal 9/95 al 12/95 e dal 3/96 al 9/96: assistente supplente, III Divisione di Pediatria  
Dal 5/97 al 9/99: dirigente I livello incaricato: Servizio PS/Osservazione
- **Incarichi in ruolo presso IRCCS "G. Gaslini":**  
Dal 9/99 al 2/2000 dirigente medico di I livello presso Servizio PS/Osservazione  
Dal 16/2/2000 dirigente medico di I livello presso la UOC Clinica Pediatrica- Reumatologia  
Dal 1/6/2018: Responsabile UOSD Centro per le Malattie Autoinfiammatorie e Immunodeficienze  
Dal 1/5/2021: Responsabile ff UOC Clinica Pediatrica e Reumatologia  
Dal 1/7/2022: Responsabile UOC Reumatologia e Malattie Autoinfiammatorie

### Attività didattica

- Università degli studi di Genova:  
Dal 2005: attività di supporto a didattica insegnamento di "Pediatria" del Corso di "Pediatria generale e specialistica".  
2002-2009 e dal 2021: professore a contratto Scuola di Specializzazione in Pediatria;  
Dal 2006: componente del Collegio dei Docenti dei Corsi di Dottorato di Ricerca in Clinica Genetica e Immunologia dell'età evolutiva e Scienze Pediatriche.  
Dal 2020 Professore a contratto Scuola di Specializzazione di Reumatologia  
Dal 2007: Attività di relatore e co-relatore tesi: laurea in medicina (25), specializzazione in pediatria (6), Dottorato (4)
- Da 7/2/2022 al 7/2/2031: Abilitazione scientifica nazionale (06/G1) per Prima e Seconda fascia per Pediatria Generale e Specialistica
- Gennaio 2020: Vincitore di concorso per chiamata a professore universitario di prima fascia per Pediatria generale, specialistica e NPI (MED/38), Università di Bari.

### Altre nomine e incarichi

- Ottobre 2006-2010: Responsabile del Gruppo di Studio sulle Sindromi Autoinfiammatorie della Pediatric Rheumatology European Society (PRES).
- Da Ottobre 2016: Membro dello Steering Committee ERN su malattie rare immunologiche (RITA), di cui è coordinatore per le malattie Autoinfiammatorie
- Maggio 2017- Dicembre 2021: Presidente International society of systemic autoinflammatory diseases (ISSAID)
- Da Gennaio 2018: membro nominato per la Pediatria del Comitato Etico Regione Liguria.

## **Grants acquisiti come Coordinatore**

- 2008-11: PI Progetto Europeo: “The PRES Network for Autoinflammatory Diseases in childhood” (Eurofever, EACH, No2007332).
- 2009-11: PI progetto Telethon “Effects of CIAS-1 mutations in the pathogenesis of Cryopyrin associated periodic syndromes (CAPS). Search for new genes and novel therapeutic strategies” (GGP09127).
- 2014-16: PI progetto Telethon “CAPS: investigations on patients blood cells and in a knock-in mouse model to exploit novel approaches for the modulation of the NLRP3 inflammasome (GGP14144).
- 2016-2018: PI progetto E-Rare-3 “A comprehensive clinical and experimental approach to personalized molecular medicine in patients with defined and undefined autoinflammatory disorders” (INSAID, grant 003037603).
- 2019-22 PI Ricerca Finalizzata Ministeriale “Expanding spectrum of ADA2 deficiency: towards a gene therapy approach”(RF-2019-12370600)
- 2023-25 PI EJP RD Joint Transnational Call 2023-25. “Optimization of the diagnostic approach for inborn errors of immunity leading to hyper-inflammation” (ODINO, grant EJPRD22-139)

## **Attività di ricerca**

- Studio sulla patogenesi e clinica delle sindromi autoinfiammatorie monogeniche e malattie immunomediate

## **Stage all'estero:**

- Luglio/ Agosto 1995 stage clinico-laboratoristico presso l'Unità di Reumatologia Pediatrica del Great Ormond Street Childrens' Hospital di Londra (Prof.ssa Patricia Woo) e Laboratorio dell' Antigen Presenting Cell Study Group del Northwick Park Hospital di Harrow (Londra - Prof.ssa Stella Knight).
- Gennaio/ Dicembre 2003 stage di ricerca presso l'Istituto di Biomedicina di Bellinzona (Svizzera) diretto dal Prof. Antonio Lanzavecchia.

## **Pubblicazioni scientifiche:**

- 359 full papers/letters su riviste internazionali (Total IF 2022: 3936, IF medio full papers 12.6)  
H-Index: 86 (Google Scholar), 72 (Scopus)

## **Libri di testo**

- Editore del libro “Familial Mediterranean fever”(Springer, 2015)
- Autore del Capitolo “The immune system and the inflammatory response” su Textbook of Pediatric Rheumatology, Eds Cassidy & Petty (5<sup>th</sup>, 6<sup>th</sup> and 7<sup>th</sup> Edition; 2005, 2010, 2015)
- Autore del Capitolo “Mechanisms of NLRP3 Inflammasome Activation in CAPS Patients” in The Inflammasomes. Springer Basel, 2011.
- Autore del Capitolo “Monogenic Autoinflammatory diseases” in A Clinician’s Pearls and Myths in Rheumatology. JH Stone Editor. Springer 2009.
- Co-editore del volume “Reumatologia Pediatrica” (Mc Graw-Hill, 1999)

## **Brevetti Internazionali**

- Autoinflammatory Disease Activity Index (AIDAI) brevetto 14709900.6 – 1952 del 28/2/2014.

## **Riviste internazionali per il quale svolge attività di revisione scientifica:**

New England Journal of Medicine (USA), Blood (USA), PNAS (USA), Annals of the Rheumatic Diseases (Olanda), Arthritis& Rheumatism (USA), Journal of Leukocyte Biology (USA), Rheumatology (UK), Journal of Rheumatology (Canada), Clinical and Experimental Rheumatology (Italia).

## **Lecture ad invito:**

- 137 a congressi Internazionali, tra cui: ACR, EULAR, ESID, PRES, LASID, ISSAID, European Academy of Paediatric Societies
- 122 a congressi Nazionali (tra cui Società Italiana di Pediatria e Confronti in Pediatria).

**Premi e riconoscimenti:**

*1998 Pediatric Rheumatology Abstract Award* in occasione del 62° Congresso dell'American College of Rheumatology, S. Diego, Novembre 1998.

*1999 Pediatric Rheumatology Abstract Award* in occasione del 63° Congresso dell'American College of Rheumatology, Boston, Novembre 1999.

*2006 Kourir Award* (migliore presentazione scientifica al Meeting della Pediatric Rheumatology European Society, Amsterdam, Giugno 2006).

*2010 Best lap-top presentation.* Autoinflammation 2010. VI International congress on FMF and other systemic autoinflammatory diseases. Amsterdam, Settembre 2010.

Genova, 28 Marzo 2024

Autorizzo il trattamento dei miei dati personali ai sensi dell'art. 13 del Regolamento (UE) 2016/679 e che abroga la direttiva 95/46/CE

## **Migliori pubblicazioni**

Canakinumab for the Treatment of Autoinflammatory Recurrent Fever Syndromes.

De Benedetti F, Gattorno M, Anton J, Ben-Chetrit E, Frenkel J, Hoffman HM, Koné-Paut I, Lachmann HJ, Ozen S, Simon A, Zeft A, Calvo Penades I, Moutschen M, Quartier P, Kasapcopur O, Shcherbina A, Hofer M, Hashkes PJ, Van der Hilst J, Hara R, Bujan-Rivas S, Constantin T, Gul A, Livneh A, Brogan P, Cattalini M, Obici L, Lheritier K, Speziale A, Junge G. *N Engl J Med*. 2018 May 17;378(20):1908-1919.

Intra-articular corticosteroids versus intra-articular corticosteroids plus methotrexate in oligoarticular juvenile idiopathic arthritis: a multicentre, prospective, randomised, open-label trial.

Ravelli A, Davì S, Bracciolini G, Pistorio A, Consolaro A, van Dijkhuizen EH, Lattanzi B, Filocamo G, Verazza S, Gerloni V, Gattinara M, Pontikaki I, Insalaco A, De Benedetti F, Civino A, Presta G, Breda L, Marzetti V, Pastore S, Magni-Manzoni S, Maggio MC, Garofalo F, Rigante D, Gattorno M, Malattia C, Picco P, Viola S, Lanni S, Ruperto N, Martini A; Italian Pediatric Rheumatology Study Group. *Lancet*. 2017 Mar 4;389(10072):909-916

Neonatal lupus and a seronegative mother.

Gattorno M, Di Rocco M, Buoncompagni A, Picco P, Meroni PL, Martini A. *Lancet*. 2004 Mar 27;363(9414):1038.

Brother and sister with different vasculitides.

Gattorno M, Picco P, Vignola S, Di Rocco M, Buoncompagni A. *Lancet*. 1999 Feb 27;353(9154):728

Pathogen-induced human TH17 cells produce IFN- $\gamma$  or IL-10 and are regulated by IL-1 $\beta$ .

Zielinski CE, Mele F, Aschenbrenner D, Jarrossay D, Ronchi F, Gattorno M, Monticelli S, Lanzavecchia A, Sallusto F. *Nature*. 2012 Apr 26;484(7395):514-8.

Effect of Anakinra on Recurrent Pericarditis Among Patients With Colchicine Resistance and Corticosteroid Dependence: The AIRTRIP Randomized Clinical Trial.

Brucato A, Imazio M, Gattorno M, Lazaros G, Maestroni S, Carraro M, Finetti M, Cumetti D, Carobbio A, Ruperto N, Marcolongo R, Lorini M, Rimini A, Valenti A, Erre GL, Sormani MP, Belli R, Gaita F, Martini A. *JAMA*. 2016 Nov 8;316(18):1906-1912

Surface phenotype and antigenic specificity of human interleukin 17-producing T helper memory cells.

Acosta-Rodriguez EV, Rivino L, Geginat J, Jarrossay D, Gattorno M, Lanzavecchia A, Sallusto F, Napolitani G. *Nat Immunol*. 2007 Jun;8(6):639-4

Deficiency in coatamer complex I causes aberrant activation of STING signalling.

Steiner A, Hrovat-Schaale K, Prigione I, Yu CH, Laohamonthonkul P, Harapas CR, Low RRJ, De Nardo D, Dagley LF, Mlodzianoski MJ, Rogers KL, Zillinger T, Hartmann G, Gantier MP, Gattorno M, Geyer M, Volpi S, Davidson S, Masters SL. *Nat Commun*. 2022 Apr 28;13(1):2321

Coexpression of CD25 and CD27 identifies FoxP3+ regulatory T cells in inflamed synovia.  
Ruprecht CR\*, Gattorno M\*, Ferlito F, Gregorio A, Martini A, Lanzavecchia A, Sallusto F.  
*J Exp Med*. 2005 Jun 6;201(11):1793-803. (\*first co-authors)

T cell defects in patients with ARPC1B germline mutations account for their combined immunodeficiency

Brigida I, Zoccolillo M, Cicalese MP, Pfajfer L, Barzaghi F, Scala S, Oleaga-Quintas, Jesus A Alvarez C, Sereni L, Giannelli S, Sartirana C, Dionisio F, Pavesi L, Benavides-Nieto M, Basso-Ricci L, Capasso P, Mazzi B, Rosain J, Marcus N, Nee Lee Y, Somech R, , Caorsi R, Picco P, Moncada Velez M, Hourieh J, Arias AA, Bousfiha A, Issekutz T, Issekutz A, Boisson B, Dobbs K, Villa A, Lombardo A, Neven B, Moshous D, Casanova JL, Franco JJ, Notarangelo LD, Scielzo C, Volpi S, Dupré L, Bustamante J, Gattorno M\*, Aiuti A\* (\*last co-authors)  
*Blood* 2018 Nov 29;132(22):2362-2374.

Altered redox state of monocytes from cryopyrin-associated periodic syndromes causes accelerated IL-1beta secretion.

Tassi S, Carta S, Delfino L, Caorsi R, Martini A, Gattorno M\*, Rubartelli A\*.  
*Proc Natl Acad Sci U S A*. 2010 May 25;107(21):9789-94 (\*last co-Authors).

### **Elenco delle più significative pubblicazioni negli ultimi 5 anni:**

Pyrin Inflammasome Activation Defines Colchicine-Responsive SURF Patients from FMF and Other Recurrent Fevers.

Palmeri S, Penco F, Bertoni A, Bustaffa M, Matucci-Cerinic C, Papa R, Drago E, Caorsi R, Corcione A, Bocca P, Scarone C, Rubartelli A, Volpi S, Gattorno M\*, Prigione I.  
*J Clin Immunol*. 2024 Jan 17;44(2):4 (\*corresponding author)

SAPHO syndrome: Patient stratification and the new horizon of precision medicine.

Matucci-Cerinic C, Viglizzo G, Gattorno M.  
*Semin Arthritis Rheum*. 2024 Apr;65:152373

Whipple Disease Presenting as Isolated Transverse Myelitis with Permanent Neurological Damage in a Patient with Systemic Lupus Erythematosus: A Case Report of a Difficult Diagnosis with a Literature Review.

Saffioti C, Nebiolo M, Caorsi R, Severino M, Brisca G, Castagnola E, Gattorno M.  
*Infect Dis Rep*. 2024 Mar 19;16(2):269-280

New genes, pathways and therapeutic targets in autoinflammatory diseases.

Papa R, Gattorno M.  
*Nat Rev Rheumatol*. 2023 Dec 14. doi: 10.1038/s41584-023-01063-

Seropositive polyarthritis and diffuse lymphadenopathy associated with PRKCD mutation.

Papa R, Schena F, Corcione A, Bocca P, Drago E, Malattia C, Grossi A, Ceccherini I, Gattorno M.  
*Rheumatology* (Oxford). 2023 Dec 8:kead639.

Validation of the PEDIatric Behçet's Disease classification criteria: an evidence-based approach.  
Matucci-Cerinic C, Helene P, Sulaiman AM, Brogan PA, Cantarini L, Gul A, Kasapcopur O, Kuemmerle-Deschner J, Ozen S, Saadoun D, Shahram F, Bovis F, Eugenia M, Ruperto N, Gattorno M\*, Kone-Paut I

*Rheumatology* (Oxford). 2023 Nov 22:kead609 (\*corresponding Author)

ARF1 prevents aberrant type I interferon induction by regulating STING activation and recycling.

Hirschenberger M, Lepelley A, Rupp U, Klute S, Hunszinger V, Koepke L, Merold V, Didry-Barca B, Wondany F, Bergner T, Moreau T, Rodero MP, Rösler R, Wiese S, Volpi S, Gattorno M, et al

*Nat Commun*. 2023 Nov 1;14(1):6770

Long-term efficacy/safety of canakinumab in patients with tumor necrosis factor receptor-associated periodic syndrome: results from a phase III trial.

Gattorno M, Obici L, Penadés IC, Kallinich T, Benseler S, Dekker E, Lévy J, De Benedetti F, Lachmann H.

*Arthritis Rheumatol*. 2023 Sep 5. doi: 10.1002/art.42695

Expert Perspective: Diagnostic approach to the autoinflammatory diseases.

Papa R, Caorsi R, Volpi S, Gattorno M.

*Arthritis Rheumatol*. 2023 Sep 3. doi: 10.1002/art.42690

Skin manifestations help identifying different phenotypes of paediatric SAPHO syndrome.

Matucci-Cerinic C, Malattia C, Pistorio A, Rosina S, Consolaro A, Viola S, Volpi S, Caorsi R, Viglizzo G, Gattorno M.

*Semin Arthritis Rheum*. 2023 Oct 5;63:15227

TNFRSF1A-pR92Q variant identifies a subset of patients more similar to systemic undifferentiated recurrent fever than TNF receptor-associated periodic syndrome.

Gerritsma AM, Sutera D, Cantarini L, Cattalini M, Lachmann HJ, Minden K, Jansson AF, Touitou I, Bustaffa M, Antón J, Insalaco A, Moreno E, Sanchez-Manubens J, Ruperto N, Frenkel J, Gattorno M.

*Clin Exp Rheumatol*. 2023 Oct;41(10):1998-2007

Breaking down the fences among registries on autoinflammatory diseases: the E-Merge project.

Vyzhga Y, Hentgen V, Caorsi R, Wittkowski H, Hofer M, Ruperto N, Lainka E, Theodoropoulou K, Foell D, Mosci E, Gattorno M; AID-Net, Eurofever, JIRcohort registriesthe Paediatric Rheumatology International Trials Organisation (PRINTO).

*Orphanet J Rare Dis*. 2023 Jul 17;18(1):191

An Update on Familial Mediterranean Fever.

Lancieri M, Bustaffa M, Palmeri S, Prigione I, Penco F, Papa R, Volpi S, Caorsi R, Gattorno M. *Int J Mol Sci*. 2023 May 31;24(11):9584 Evaluation and Management of Deficiency of Adenosine Deaminase 2: An International Consensus Statement.

Lee PY, Davidson BA, Abraham RS, Alter B, Arostegui JI, Bell K, Belot A, Bergerson JRE, Bernard TJ, Brogan PA, Berkun Y, Deutch NT, Dimitrova D, Georgin-Lavialle SA, Gattorno M et al

*JAMA Netw Open*. 2023 May 1;6(5):e2315894

Hematopoietic stem cell transplantation for inborn errors of immunity: 30-year single-center experience.

Dell'Orso G, Bagnasco F, Giardino S, Pierri F, Ferrando G, Di Martino D, Micalizzi C, Guardo D, Volpi S, Sabatini F, Miano M, Gattorno M, Dufour C, Faraci M.

*Front Immunol*. 2023 Feb 7;14:1103080

Pediatric Recurrent Pericarditis: Appropriateness of the Standard of Care and Response to IL-1 Blockade.

Caorsi R, Insalaco A, Bovis F, Martini G, Cattalini M, Chinali M, Rimini A, Longo C, Federici S, Celani C, Filocamo G, Consolini R, Maggio MC, Fadanelli G, Licciardi F, Romano M, Teruzzi

BL, Taddio A, Miniaci A, La Torre F, De Fanti A, Cavalli G, Bigucci B, Gallizzi R, Chinello M, Imazio M, Brucato A, Cimaz R, De Benedetti F, Gattorno M.

*J Pediatr*. 2023 May;256:18-26.e8.

Complex regulation of alarmins S100A8/A9 and secretion via gasdermin D pores exacerbates autoinflammation in familial Mediterranean fever.

Jorch SK, McNally A, Berger P, Wolf J, Kaiser K, Chetrusca Covash A, Robeck S, Pastau I, Fehler O, Jauch-Speer SL, Hermann S, Schäfers M, Van Gorp H, Kanneganti A, Dehoorne J, Haerynck F, Penco F, Gattorno M, et al.

*J Allergy Clin Immunol*. 2023 Jul;152(1):230-243.

Efficacy of anakinra on rebound of multisystem inflammatory syndrome.

Brisca G, Olcese C, Derchi ME, Trocchio G, Caorsi R, Moscatelli A, Gattorno M.

*Pediatr Int*. 2022 Jan;64(1):e15337The Notch1/CD22 signaling axis disrupts Treg cell function in SARS-CoV2-associated multisystem inflammatory syndrome in children.

Benamar M, Chen Q, Chou J, Julé AM, Boudra R, Contini P, Crestani E, Lai PS, Wang M, Fong J, Rockwitz S, Lee PY, Chan TMF, Altun EZ, Kepenekli E, Karakoc-Aydiner E, Ozen A, Boran P, Aygun F, Önal P, Kilinc Sakalli AA, Cokugras H, Gelmez MY, Oktelik FB, Cetin Aktas E, Zhong Y, Taylor ML, Irby K, Halasa NB, Mack EH, Signa S, Prigione I, Gattorno M et al.

*J Clin Invest*. 2022 Oct 25:e163235

Susceptibility to viral infections and secondary hemophagocytic lymphohistiocytosis responsive to intravenous immunoglobulin as primary manifestations of adenosine deaminase 2 deficiency.

Drago E, Garbarino F, Signa S, Grossi A, Schena F, Penco F, Santori E, Candotti F, Boztug K, Volpi S, Gattorno M\*, Caorsi R.\*

*Front Immunol*. 2022 Sep 9;13:937108. (\* last co-Author)

Adenosine Deaminase 2 Deficiency (DADA2): A Crosstalk Between Innate and Adaptive Immunity.

Signa S, Bertoni A, Penco F, Caorsi R, Cafaro A, Cangemi G, Volpi S, Gattorno M\*, Schena F. *Front Immunol*. 2022 Jul 11;13:93595 (\*corresponding Author)

Spontaneous NLRP3 inflammasome-driven IL1- $\beta$  secretion is induced in severe COVID-19 patients and responds to anakinra treatment.

Bertoni A, Penco F, Mollica H, Bocca P, Prigione I, Corcione A, Cangelosi D, Schena F, Del Zotto G, Amaro A, Paladino N, Pontali E, Feasi M, Signa S, Bustaffa M, Caorsi R, Palmeri S, Contini P, De Palma R, Pfeffer U, Uva P, Rubartelli A, Gattorno M\*, Volpi S.

*J Allergy Clin Immunol*. 2022 Jul 11:S0091-6749(22)00906-X (\* last co-Author)

A Report of 2 Cases of Kidney Involvement in ADA2 Deficiency: Different Disease Phenotypes and the Tissue Response to Type I Interferon.

Trivioli G, Gelain E, Angelotti ML, Ravaglia F, Allinovi M, Lodi L, Caroti L, Buccoliero A, Emmi G, Gattorno M, Romagnani P, Volpi S, Vaglio A.

*Am J Kidney Dis*. 2022 Jul 8:S0272-6386(22)00767-3.

Proteomic Signatures of Monocytes in Hereditary Recurrent Fevers.

Penco F, Petretto A, Lavarello C, Papa R, Bertoni A, Omenetti A, Gueli I, Finetti M, Caorsi R, Volpi S, Gattorno M.

*Front Immunol*. 2022 Jun 23;13:921253. doi: 10.3389/fimmu.2022.921253.

New monogenic autoinflammatory diseases: 2021 year in review.

Papa R, Caorsi R, Volpi S, Gattorno M.

*Immunol Lett*. 2022 Jul 8;248:96-98. doi: 10.1016/j.imlet.2022.07.001

Hematopoietic Stem Cell Transplantation in ARPC1B Deficiency.

Giardino S, Volpi S, Lucioni F, Caorsi R, Schneiderman J, Lang A, Khojah A, Kuijpers T, Papadatou I, Paisiou A, Alonso L, Schulz A, Marcus N, Gattorno M, Faraci M.

*J Clin Immunol*. 2022 Jun 29. doi: 10.1007/s10875-022-01305-6

Cardiovascular Manifestations in Multisystem Inflammatory Syndrome in Children (MIS-C) Associated with COVID-19 According to Age.

Campanello C, Mercuri C, Derchi M, Trocchio G, Consolaro A, Caorsi R, Ravelli A, Rimini A, Marasini M, Gattorno M.

*Children* (Basel). 2022 Apr 20;9(5):583. doi: 10.3390/children9050583.

The 2021 EULAR/American College of Rheumatology points to consider for diagnosis, management and monitoring of the interleukin-1 mediated autoinflammatory diseases: cryopyrin-associated periodic syndromes, tumour necrosis factor receptor-associated periodic syndrome, mevalonate kinase deficiency, and deficiency of the interleukin-1 receptor antagonist. Romano M, Arici ZS, Piskin D, Alehashemi S, Aletaha D, Barron KS, Benseler S, Berard R, Broderick L, Dedeoglu F, Diebold M, Durrant KL, Ferguson P, Foell D, Hausmann J, Jones OY, Kastner DL, Lachmann HJ, Laxer RM, Rivera D, Ruperto N, Simon A, Twilt M, Frenkel J, Hoffman H, de Jesus AA, Kuemmerle-Deschner JB, Ozen S, Gattorno M, Goldbach-Mansky R, Demirkaya E.

*Ann Rheum Dis*. 2022 Jul;81(7):907-921. doi: 10.1136/annrheumdis-2021-221801.

*Arthritis Rheumatol*. 2022 Jul;74(7):1102-1121. doi: 10.1002/art.42139

Clinical characterization, long-term follow-up, and response to treatment of patients with syndrome of undifferentiated recurrent fever (SURF).

Sutera D, Bustaffa M, Papa R, Matucci-Cerinic C, Matarese S, D'Orsi C, Penco F, Prigione I, Palmeri S, Bovis F, Volpi S, Caorsi R, Gattorno M.

*Semin Arthritis Rheum*. 2022 Aug;55:152024. doi: 10.1016/j.semarthrit.2022.152024

Hematopoietic stem cell transplantation in systemic autoinflammatory diseases - the first one hundred transplanted patients.

Signa S, Dell'Orso G, Gattorno M\*, Faraci M.

*Expert Rev Clin Immunol*. 2022 Jul;18(7):667-689 (\* last co-Author)

The impact of the Eurofever criteria and the new InFever MEFV classification in real life: Results from a large international FMF cohort. Bustaffa M, Koné-Paut I, Ozen S, Amaryan G, Papadopoulou-Alataki E, Gallizzi R, Carrabba M, Aviel YB, Cantarini L, Alessio M, Anton J, Obici L, Gok F, Batu ED, Moreno E, Brogan P, Trachana M, Simonini G, Rigante D, Uziel Y, Insalaco A, Maggio MC, Ruperto N, Gattorno M\*, Semerano LR\*. (\* last co-Author)

*Semin Arthritis Rheum*. 2022 Jan 10;52:151957.

Deficiency in coatamer complex I causes aberrant activation of STING signalling.

Steiner A, Hrovat-Schaale K, Prigione I, Yu CH, Laohamonthonkul P, Harapas CR, Low RRJ, De Nardo D, Dagley LF, Mlodzianoski MJ, Rogers KL, Zillinger T, Hartmann G, Gantier MP, Gattorno M, Geyer M, Volpi S, Davidson S, Masters SL.

*Nat Commun*. 2022 Apr 28;13(1):2321

Remission of eczema and recovery of Th1 polarization following treatment with Dupilumab in STAT3 hyper IgE syndrome.



Matucci-Cerinic C, Viglizzo G, Pastorino C, Corcione A, Prigione I, Bocca P, Bustaffa M, Cecconi M, Gattorno M, Volpi S.

*Pediatr Allergy Immunol.* 2022 Apr;33(4):e13770

The 2021 European Alliance of Associations for Rheumatology/American College of Rheumatology points to consider for diagnosis and management of autoinflammatory type I interferonopathies: CANDLE/PRAAS, SAVI and AGS.

Cetin Gedik K, Lamot L, Romano M, Demirkaya E, Piskin D, Torreggiani S, Adang LA, Armangue T, Barchus K, Cordova DR, Crow YJ, Dale RC, Durrant KL, Eleftheriou D, Fazzi EM, Gattorno M et al.

*Ann Rheum Dis.* 2022 Jan 27;annrheumdis-2021-221814

The 2021 European Alliance of Associations for Rheumatology/American College of Rheumatology Points to Consider for Diagnosis and Management of Autoinflammatory Type I Interferonopathies: CANDLE/PRAAS, SAVI, and AGS.

Cetin Gedik K, Lamot L, Romano M, Demirkaya E, Piskin D, Torreggiani S, Adang LA, Armangue T, Barchus K, Cordova DR, Crow YJ, Dale RC, Durrant KL, Eleftheriou D, Fazzi EM, Gattorno M, Gavazzi F, Hanson EP, Lee-Kirsch MA, Montealegre Sanchez GA, Neven B, Orcesi S, Ozen S, Poli MC, Schumacher E, Tonduti D, Uss K, Aletaha D, Feldman BM, Vanderver A, Brogan PA, Goldbach-Mansky R.

*Arthritis Rheumatol.* 2022 May;74(5):735-751

Timely Recognition and Early Multi-Step Antinflammatory Therapy May Prevent ICU Admission of Patients With MIS-C: Proposal for a Severity Score.

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