



**Funded by the
European Union**

UNDINE

Project number:	101057100
Project name:	The human genetic and immunological determinants of the clinical manifestations of SARS-CoV-2 infection: Towards personalised medicine
Topic:	HORIZON-HLTH-2021-DISEASE-04-07
Type of action:	HORIZON Research and Innovation Actions (RIA)
Starting date of action:	1 June 2022
Project duration:	48 months
Project end date:	31 May 2026
Deliverable number:	D7.9
Deliverable title:	Summary of dissemination activities for the project in relation to work package 7
Document version:	Ver1.0
WP number:	WP7
Lead beneficiary:	OSR, KI
Main author(s):	Giorgio Casari (OSR), Alessandro Aiuti (OSR), Petter Brodin (KI),
Internal reviewers:	Trine Mogensen (AU), André Walter (AU),
Nature of deliverable:	DEC
Dissemination level:	PU
Delivery date from Annex 1:	M48
Actual delivery date:	M48

Funded by the European Union. Views and opinions expressed are however those of the author(s) only and do not necessarily reflect those of the European Union or HADEA. Neither the European Union nor the granting authority can be held responsible for them.

Executive Summary

The deliverable is dedicated to list all dissemination activities for WP7 to reach the general public and patients, as well as the scientific and medical community. We report on a few academic meetings and, press releases and social media outlets. We also provide a brief overview of our publication efforts with open access.

Abbreviations

D	Deliverable
EC	European Commission
WP	Work Package
WT	Work Task

Contents

1	Dissemination for the general public and patients	3
2	Dissemination for the scientific and medical community.....	3

1 Dissemination for the general public and patients

Oral presentations mentioning UNDINE-related projects:

The dissemination activities have been mainly driven by internal meeting and seminar in which preliminary results have been presented and discussed together with researchers and clinical medical staff involved in the field of Genetics, Genomics and Immunology. These meetings were fundamental to share the knowledge among experts in order to interpret the results. Disseminating activities allowed decision for next steps of analyses in order to accelerate the translation from research to clinical application and benefit of the patients.

PolyBio Spring symposium 22nd May 2026:

<https://polybio.org/2026-spring-symposium/>

Petter Brodin, Whole Genome Sequencing and Immune Profiling in Long COVID

Swedish Royal Academy of Science presentation spring 2026 (in Swedish):

[Folksjukdomen postcovid: Kan svensk forskning ge hopp åt de drabbade?](#)

Petter Brodin, Viral Persistence in Long Covid

Social media communication:

- Twitter/X account @BrodinPetter relays information about Long-Covid research and UNDINE & the advancement of the project in general.

Press release:

- Karolinska Institute (KI), 23/02/2024: <https://news.ki.se/ki-researchers-receive-grant-of-sek-19-million-for-research-on-long-covid>

2 Dissemination for the scientific and medical community

Publication efforts with open access:

- [Evaluating IL1RA-Autoantibodies Across SARS-CoV-2-Related Diseases.](#) Behere A, Hallberg P, Cederholm A, Cavalli M, Yalcinkaya A; COVID-HGE; Bastard P, Puel A, Casanova JL, Wadelius M, Brodin P, Landegren N. Scand J Immunol. 2025 Jul;102(1):e70039. doi: 10.1111/sji.70039. PMID: 40556349
- [Equity in research: a global consensus statement on the urgency of including children in long COVID clinical trials.](#) Yonker LM, Kane B, Pretorius E, Putrino D, McFarland S, Brodin P, Zimmerman KO, Munblit D, Rowe PC, Vos T, Warburton D, Stephenson T, Buonsenso D; International Meeting on Long COVID in Children Consortium. Eur Respir J. 2025 May 22;65(5):2500092. doi: 10.1183/13993003.00092-2025. Print 2025 May. PMID: 40404195

- [Targeting the SARS-CoV-2 reservoir in long COVID.](#) Proal AD, Aleman S, Bomsel M, Brodin P, Buggert M, Cherry S, Chertow DS, Davies HE, Dupont CL, Deeks SG, Ely EW, Fasano A, Freire M, Geng LN, Griffin DE, Henrich TJ, Hewitt SM, Iwasaki A, Krumholz HM, Locci M, Marconi VC, Mehandru S, Muller-Trutwin M, Painter MM, Pretorius E, Price DA, Putrino D, Qian Y, Roan NR, Salmon D, Tan GS, VanElzakker MB, Wherry EJ, Van Weyenbergh J, Yonker LM, Peluso MJ. *Lancet Infect Dis.* 2025 May;25(5):e294-e306. doi: 10.1016/S1473-3099(24)00769-2. Epub 2025 Feb 10. PMID: 39947217
- [Severe West Nile Virus and Severe Acute Respiratory Syndrome Coronavirus 2 Infections in a Patient With Thymoma and Anti-Type I Interferon Antibodies.](#) Barzaghi F, Visconti C, Pipitone GB, ... Bastard P, ... Casanova JL, ... Casari G, Aiuti A. *J Infect Dis.* 2025 Feb 4;231(1):e206-e212. doi: 10.1093/infdis/jiae321. PMID: 38976510
- [Cytokine Profile in Children Following SARS-CoV-2 Infection: Preliminary Findings.](#) Buonsenso D, Camporesi A, Di Sante G, Sali M, Boza MDCP, Morello R, Valentini P, Raffaelli F, Rodriguez L, Gonzalez L, Johnsson A, Mugabo CH, Lakshmikanth T, Brodin P. *Pediatr Infect Dis J.* 2025 Jan 1;44(1):54-57. doi: 10.1097/INF.0000000000004558. Epub 2024 Oct 1. PMID: 39352145
- [NK Cell and Monocyte Dysfunction in Multisystem Inflammatory Syndrome in Children.](#) Dick JK, Sangala JA, Krishna VD, Khaimraj A, Hamel L, Erickson SM, Hicks D, Soigner Y, Covill LE, Johnson AK, Ehrhardt MJ, Ernste K, Brodin P, Koup RA, Khaitan A, Baehr C, Thielen BK, Henzler CM, Skipper C, Miller JS, Bryceson YT, Wu J, John CC, Panoskaltis-Mortari A, Orioles A, Steiner ME, Cheeran MCJ, Pravetoni M, Hart GT. *J Immunol.* 2024 Nov 15;213(10):1452-1466. doi: 10.4049/jimmunol.2400395. PMID: 39392378
- [Autoantibodies to protein S may explain rare cases of coagulopathy following COVID-19 vaccination.](#) Yalcinkaya A, Cavalli M, Aranda-Guillén M, Cederholm A, Güner A, Rietrae I, Mildner H, Behere A, Eriksson O, Gonzalez L, Mugabo CH, Johnsson A, Lakshmikanth T, Brodin P, Wadelius M, Hallberg P, Landegren N. *Sci Rep.* 2024 Oct 18;14(1):24512. doi: 10.1038/s41598-024-75514-x. PMID: 39424883
- [Antibody-mediated cellular responses are dysregulated in Multisystem Inflammatory Syndrome in Children \(MIS-C\).](#) Dick JK, Sangala JA, Krishna VD, Khaimraj A, Hamel L, Erickson SM, Hicks D, Soigner Y, Covill LE, Johnson A, Ehrhardt MJ, Ernste K, Brodin P, Koup RA, Khaitan A, Baehr C, Thielen BK, Henzler CM, Skipper C, Miller JS, Bryceson YT, Wu J, John CC, Panoskaltis-Mortari A, Orioles A, Steiner ME, Cheeran MC, Pravetoni M, Hart GT. *bioRxiv [Preprint].* 2024 Apr 18:2024.04.16.589585. doi: 10.1101/2024.04.16.589585. PMID: 38659969
- [Immune system perturbations in patients with long COVID.](#) Rodriguez L, Brodin P. *Trends Mol Med.* 2024 Mar;30(3):200-201. doi: 10.1016/j.molmed.2023.12.008. Epub 2024 Jan 4. PMID: 38177028
- Immune responses to SARS-CoV-2 infection and vaccination in children. **Brodin P.** *Semin Immunol.* 2023 June 20; preprint, doi:https://doi.org/10.1016/j.smim.2023.101794
- Rare predicted loss-of-function variants of type I IFN immunity genes are associated with life-threatening COVID-19. Matuozzo D, Talouarn E, Marchal A ... **Casari G** ... Martinez-Picado J ... Novelli A ... de Diego RP ... Pujol A ... Soler-Palacin P ... Fellay J ... Mogensen TH ... Meyts I, Zhang SY ... Casanova JL ... Abel L, Cobat A. *Genome Med.* 2023 Apr 5; 15(1):22. doi: 10.1186/s13073-023-01173-8. PMID: 37020259; PMCID: PMC10074346
- Restrained memory CD8+ T cell responses favors viral persistence and elevated IgG responses in patients with severe Long COVID. Lucie Rodriguez, Ziyang Tan, Tadepally Lakshmikanth, ... **Alessandro Aiuti, Giorgio Casari, ... Petter Brodin.** doi: https://doi.org/10.1101/2024.02.11.24302636