

# SILVIA SIROTTI, MD

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Date of birth: 24/04/1991  
SRTSLV91D64D612Y

## EMPLOYMENT

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- **01/12/2022 – ongoing:** researcher at the Rheumatology Department of IRCCS Ospedale Galeazzi – Sant’Ambrogio, Milan, Italy

## EDUCATION

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- **2010:** High School Degree, Liceo Scientifico Agnoletti (Sesto Fiorentino), with final marks 95/100
- **2017:** MD Degree, Università degli Studi di Milano, undergraduate thesis on “Serum IFI16 and anti-IFI16 antibodies in psoriatic arthritis”, with final marks 110/110 *cum laude*
- **2018:** Qualified to practise as a medical doctor, Università degli Studi di Milano
- **11/2022:** specialized in Rheumatology, Università degli Studi di Milano, thesis on “Development of a novel ultrasonographic scoring system for CPPD extent by the OMERACT Ultrasound in CPPD working group”, with final marks 70/70 *cum laude*

## MAIN ACTIVITIES

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- Clinical Rheumatology
- Musculoskeletal Ultrasonography
- Clinical Research

## MEMBERSHIP

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- Member of the Italian Society for Rheumatology (SIR)
- Member of Study Group on Ultrasound in Rheumatology of the Italian Society for Rheumatology (SIR)
- Fellow of OMERACT-US CPPD working group
- Member of the Gout, Hyperuricemia and Crystal-Associated Disease Network (G-CAN)
- Member of the OMERACT CPPD working group
- Member of the OMERACT-US structural damage working group

## CERTIFICATES

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- **2022:** EULAR Musculoskeletal Ultrasound (MSUS) in Rheumatology Level 1: minimum competency necessary to perform full rheumatologic MSUS examination without supervision.
- **2023:** EULAR Teach-the-Teachers certification and EULAR Competency Assessment in Musculoskeletal Ultrasound (MSUS) in Rheumatology – Level 2

## PRIZES

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- **2021:** E-Bursary winner for the Annual European Congress of Rheumatology (EULAR 2021) for young researcher worthy of the prize according to the CV and the research to present in the congress.
- **2021:** wins the prize as best oral communication in the section “towards EULAR” of the National congress of the Italian Society for Rheumatology. Title of the research: “Diagnostic accuracy and reliability of conventional radiography of the knee in calcium pyrophosphate deposition disease by using the new ACR/EULAR definitions: an ancillary study of the OMERACT ultrasound - CPPD group”
- **2021:** bursary winner for the EULAR 29<sup>th</sup> Sonography Course-MSUS Advanced
- **2023:** bursary winner for the Annual European Congress of Rheumatology (EULAR 2023) for young researcher worthy of the prize according to the CV and the research to present in the congress.

## LANGUAGES

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- Italian (mother tongue)
- English

## LIST OF PUBLICATIONS

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1. **Sirotti, S.**, Terkeltaub, R., & Filippou, G. (2024). Describing calcium pyrophosphate deposition: undoing the tower of Babel!. *Current opinion in rheumatology*, 36(3), 241–250. <https://doi.org/10.1097/BOR.0000000000001001>
2. Cipolletta, E., Moscioni, E., **Sirotti, S.**, Di Battista, J., Abhishek, A., Rozza, D., Zanetti, A., Carrara, G., Scirè, C. A., Grassi, W., Filippou, G., & Filippucci, E. (2023). Diagnosis of calcium pyrophosphate crystal deposition disease by ultrasonography: how many and which sites should be scanned?. *Rheumatology (Oxford, England)*, kead565. Advance online publication. <https://doi.org/10.1093/rheumatology/kead565>
3. Abhishek A, Tedeschi SK, Pascart T, Latourte A, Dalbeth N, Neogi T, Fuller A, Rosenthal A, Becce F, Bardin T, Ea HK, Filippou G, Fitzgerald J, Iagnocco A, Lioté F, McCarthy GM, Ramonda R, Richette P, Sivera F, Andrés M, Cipolletta E, Doherty M, Pascual E, Perez-Ruiz F, So A, Jansen TL, Kohler MJ, Stamp LK, Vinh J, Adinolfi A, Arad U, Aung T, Benillouche E, Bortoluzzi A, Dau J, Maningding E, Fang MA, Figus FA, Filippucci E, Haslett J, Janssen M, Kaldas M, Kimoto M, Leamy K, Navarro GM, Sarzi-Puttini P, Scirè C, Silvagni E, **Sirotti S**, Stack JR, Truong L, Xie C, Yokose C, Hendry AM, Terkeltaub R, Taylor WJ, Choi HK. The 2023 ACR/EULAR classification criteria for calcium

- pyrophosphate deposition disease. *Ann Rheum Dis*. 2023 Jul 26:ard-2023-224575. doi: 10.1136/ard-2023-224575. Epub ahead of print. PMID: 37495237.
4. Abhishek A, Tedeschi SK, Pascart T, Latourte A, Dalbeth N, Neogi T, Fuller A, Rosenthal A, Becce F, Bardin T, Ea HK, Filippou G, FitzGerald J, Iagnocco A, Lioté F, McCarthy GM, Ramonda R, Richette P, Sivera F, Andres M, Cipolletta E, Doherty M, Pascual E, Perez-Ruiz F, So A, Jansen TL, Kohler MJ, Stamp LK, Vinh J, Adinolfi A, Arad U, Aung T, Benillouche E, Bortoluzzi A, Dau J, Maningding E, Fang MA, Figus FA, Filippucci E, Haslett J, Janssen M, Kaldas M, Kimoto M, Leamy K, Navarro GM, Sarzi-Puttini P, Scirè C, Silvagni E, **Sirotti S**, Stack JR, Truong L, Xie C, Yokose C, Hendry AM, Terkeltaub R, Taylor WJ, Choi HK. The 2023 ACR/EULAR Classification Criteria for Calcium Pyrophosphate Deposition Disease. *Arthritis Rheumatol*. 2023 Jul 26. doi: 10.1002/art.42619. Epub ahead of print. PMID: 37494275.
  5. Garaffoni C, Adinolfi A, Bortoluzzi A, Filippou G, Giollo A, Sakellariou G, Silvagni E, **Sirotti S**, Ughi N, Scirè CA. Novel insights into the management of rheumatoid arthritis: one year in review 2023. *Clin Exp Rheumatol*. 2023 Jul 24. doi: 10.55563/clinexprheumatol/nat8nl. Epub ahead of print. PMID: 37497719.
  6. **Sirotti S**, Terslev L, Filippucci E, *et al*. Development and validation of an OMERACT ultrasound scoring system for the extent of calcium pyrophosphate crystal deposition at the joint level and patient level. *The Lancet Rheumatology* Published Online First: 5 July 2023. doi:10.1016/S2665-9913(23)00136-4
  7. Giorgi V, Bazzichi L, Batticciotto A, Pellegrino G, Di Franco M, **Sirotti S**, Atzeni F, Alciati A, Salaffi F, Sarzi Puttini P. Fibromyalgia: one year in review 2023. *Clin Exp Rheumatol*. 2023 Jun;41(6):1205-1213. doi: 10.55563/clinexprheumatol/257e99. Epub 2023 Jun 28. PMID: 37378487.
  8. Damart J, Filippou G, Andrès M, Cipolletta E, **Sirotti S**, Carboni D, Filippucci E, Diez P, Abhishek A, Latourte A, Ea HK, Ottaviani S, Letarouilly JG, Desbarbieux R, Graf S, Norberciak L, Richette P, Pascart T. Retention, safety and efficacy of off-label conventional treatments and biologics for chronic calcium pyrophosphate crystal inflammatory arthritis. *Rheumatology (Oxford)*. 2023 May 22:kead228. doi: 10.1093/rheumatology/kead228. Epub ahead of print. PMID: 37216917.
  9. Adinolfi A, **Sirotti S**, Sakellariou G, Cipolletta E, Filippucci E, Porta F, Zanetti A, Ughi N, Sarzi-Puttini P, Scirè CA, Keen H, Pineda C, Terslev L, D'Agostino MA, Filippou G. Which are the most frequently involved peripheral joints in calcium pyrophosphate crystal deposition at imaging? A systematic literature review and meta-analysis by the OMERACT ultrasound - CPPD subgroup. *Front Med (Lausanne)*. 2023 Mar 9;10:1131362. doi: 10.3389/fmed.2023.1131362. PMID: 36968827; PMCID: PMC10034772.
  10. Filippou G, **Sirotti S**. How can ultrasonography help in the management of CPPD? From diagnosis to clinical subset identification. *Curr Opin Rheumatol*. 2023 May 1;35(3):185-193. doi: 10.1097/BOR.0000000000000939. Epub 2023 Mar 14. PMID: 36943699.
  11. **Sirotti S**, Sarzi-Puttini, Filippou G. Advances in imaging for the assessment of calcium pyrophosphate deposition disease. *Beyond Rheumatology* 2022; 4 (3): e447. DOI: 10.53238/br\_202212\_447

12. Filippou G, Miguel-Pérez M, Bong D, Coronel L, **Sirotti S**, Pacini G, Scanu A, Möller I; "Anatomy for Image" EULAR study group. The ultrasonographic "pseudo-double contour" sign in calcium pyrophosphate deposition disease. *Arthritis Rheumatol*. 2022 Oct 25. doi: 10.1002/art.42397. Epub ahead of print. PMID: 36281790.
13. **Sirotti S**, Becce F, Sconfienza LM, Terslev L, Naredo E, Zufferey P, Pineda C, Gutierrez M, Adinolfi A, Serban T, MacCarter D, Mouterde G, Zanetti A, Scanu A, Möller I, Novo-Rivas U, Largo R, Sarzi-Puttini P, Abhishek A, Choi HK, Dalbeth N, Pascart T, Tedeschi SK, D'Agostino MA, Iagnocco A, Keen HI, Scirè CA, Filippou G. Reliability and diagnostic accuracy of radiography for the diagnosis of calcium pyrophosphate deposition: performance of the novel definitions developed by an international multidisciplinary working group. *Arthritis Rheumatol*. 2022 Sep 19. doi: 10.1002/art.42368. Epub ahead of print. PMID: 36122187.
14. Garaffoni C, Adinolfi A, Bortoluzzi A, Filippou G, Giollo A, Sakellariou G, **Sirotti S**, Ughi N, Scirè CA, Silvagni E. Novel insights into the management of rheumatoid arthritis: one year in review 2022. *Clin Exp Rheumatol*. 2022 Jul;40(7):1247-1257. doi: 10.55563/clinexprheumatol/1sjgyr. Epub 2022 Jul 4. PMID: 35801648.
15. Giorgi V, **Sirotti S**, Romano ME, Marotto D, Ablin JN, Salaffi F, Sarzi-Puttini P. Fibromyalgia: one year in review 2022. *Clin Exp Rheumatol*. 2022 Jun;40(6):1065-1072. doi: 10.55563/clinexprheumatol/if9gk2. Epub 2022 Jun 22. PMID: 35748720.
16. Filippou G, Pacini G, **Sirotti S**, Zadory M, Carboni D, Damiani A, Fiorentini E, Cipolletta E, Filippucci E, Froehlich JM, Sarzi Puttini P, Becce F. Comparison of ultrasound attenuation by calcium pyrophosphate, hydroxyapatite and monosodium urate crystals: a proof-of-concept study. *Ann Rheum Dis*. 2022 Mar 18;annrheumdis-2022-222316. doi: 10.1136/annrheumdis-2022-222316. Epub ahead of print. PMID: 35304408.
17. **Sirotti S**, Gutierrez M, Pineda C, Clavijo-Cornejo D, Serban T, Dumitru A, Scanu A, Adinolfi A, Scirè CA, Sarzi Puttini P, D'Agostino MA, Keen HI, Terslev L, Iagnocco A, Filippou G. Accuracy of synovial fluid analysis compared to histology for the identification of calcium pyrophosphate crystals: an ancillary study of the OMERACT US Working Group - CPPD subgroup. *Reumatismo*. 2021 Aug 3;73(2):106-110. doi: 10.4081/reumatismo.2021.1403. PMID: 34342211.
18. Romano M, **Sirotti S**, Filippou G and Sarzi-Puttini P. RS3PE and the role of ultrasound. A case report and brief review of the literature. *Beyond Rheumatology*, 3(1) 2021. doi: 10.4081/br.2021.61.
19. Salaffi F, Giorgi V, **Sirotti S**, et al. The effect of novel coronavirus disease-2019 (COVID-19) on fibromyalgia syndrome. *Clin Exp Rheumatol*. 2020 Nov 16. Epub ahead of print. PMID: 33200740.
20. Sarzi-Puttini P, Giorgi V, **Sirotti S**, et al. COVID-19, cytokines and immunosuppression: what can we learn from severe acute respiratory syndrome? *Clin Exp Rheumatol*. 2020;38(2):337-342.
21. De Andrea M, De Santis M, Caneparo V, Generali E, **Sirotti S**, et al. Serum IFI16 and anti-IFI16 antibodies in psoriatic arthritis. *Clin Exp Immunol*. 2020;199(1):88-96. doi:10.1111/cei.13376

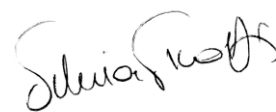
22. **Sirotti S**, Generali E, Ceribelli A, Isailovic N, De Santis M, Selmi C. Personalized medicine in rheumatology: the paradigm of serum autoantibodies. *Auto Immun Highlights*. 2017;8(1):10. doi:10.1007/s13317-017-0098-1

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The undersigned Silvia Sirotti declares that all statements made in this CV are true according to art. 46 *et seq.* of Italian D.P.R. 445/2000

Milan, 26/03/2024

Dr Silvia Sirotti

A handwritten signature in black ink, appearing to read 'Silvia Sirotti', with a stylized flourish at the end.