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| CV Date | 18/11/2022 |
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## Part A. PERSONAL INFORMATION

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|--|---------------------|---------------|--|
| First Name                                 | MARINA              |               |  |
| Family Name                                | POLLÁN SANTAMARÍA   |               |  |
| Sex  | Female              | Date of Birth |  |
| ID number Social Security, Passport        |                     |               |  |
| URL Web                                    |                     |               |  |
| Email Address                              | mpollan@isciii.es   |               |  |
| Open Researcher and Contributor ID (ORCID) | 0000-0002-4328-1565 |               |  |

### A.1. Current position

|                     |  |              |  |
|---------------------|--|--------------|--|
| Job Title           | Directora Científica                           |              |  |
| Starting date       | 2017   |              |  |
| Institution         | CIBER EPIDEMIOLOGIA Y SALUD PUBLICA (CIBERESP) |              |  |
| Department / Centre | /  |              |  |
| Country             |  | Phone Number |  |
| Keywords            |  |              |  |

### A.3. Education

| Degree/Master/PhD   | University / Country                                       | Year |
|---|--|------|
| Premio Extraordinario. Programa de Doctorado, Medicina, Departamento de Medicina Preventiva y Salud Pública | Universidad Autónoma de Madrid                             | 2000 |
| Especialista MIR en Medicina Preventiva y Salud Pública   | Ministerio de Sanidad y Consumo                            | 1988 |
| Curso Superior de Salud Pública (Máster)  | Escuela Nacional de Sanidad. Instituto de Salud Carlos III | 1986 |
| Licenciada en Medicina y Cirugía  | Universidad de Salamanca                                   | 1984 |

## Part B. CV SUMMARY

**Current position:** I am Full Professor in the National Center for Epidemiology (CNE) at the Instituto de Salud Carlos III and the Scientific Director of the Consortium for Biomedical Research in Epidemiology & Public Health, CIBERESP. I am also Assistant Professor in the Department of Preventive Medicine Institute. (Autonomous University, Madrid). From 2019 to October 2022, I was the Director of CNE.

**Training:** Bachelor in Medicine (University of Salamanca), specialist in Preventive Medicine and Public Health (Hospital Ramón y Cajal, Madrid). Two scholarships served to complete my formation at the Johns Hopkins School of Public Health (Baltimore, US) and at the Karolinska Institute (Stockholm, Sweden). The last one served the basis for my thesis, devoted to breast cancer & occupation that obtained the extraordinary doctorate award at the Autonomous University (Madrid).

**Research & communication:** I have been a cancer epidemiologist for most part of my scientific carrier, mainly focused on breast cancer and associated risk factors, particularly lifestyle & modifiable exposures. I lead several studies on this field: EpiGEICAM study (with the GEICAM consortium), DDM-Spain (Determinants of Mammographic Density, a phenotype risk marker of breast cancer), DM-BRCA (role of high mammographic density on BC risk in BRCA1 and BRCA2 mutation carriers) In CIBERESP, I co-lead (with Prof. Manolis Kogevinas, ISGlobal) the largest case-control project in our country (MCC-Spain), a multicase-control study for BC, colorectal, prostate, gastric tumors & chronic lymphocytic leukaemia. My interest in epidemiological methods and cohort studies allowed me to collaborate with molecular biologists, geneticists, oncologists, pathologists, surgeons, as well as other public health

professionals. I have an extensive experience in teaching epidemiology methods. In 2020, I was the scientific coordinator of the nationwide seroprevalence study of SARS-CoV-2 (ENE-COVID). Since 2021, I coordinate the Predictive Medicine axis of the IMPaCT project, to create a nationwide cohort serving as a research infrastructure in our country

**Scientific review:** I was part of the coordinating team at the Spanish National Agency for Scientific Evaluation (ANEP) for scientific review of proposals at National calls in the area of Medicine & Epidemiology (2007-2009). I was part of the Scientific Committee of the International Agency for Research on Cancer (2008-2012), participating in 3 review panels evaluating IARC groups, chairing one of them. I was a member of the panel reviewing projects for the National Health Strategy in the area of Public Health (2015-16). Currently, I participate in different Scientific Advisory Boards for Institutes and Centers of Research: Vall d'Hebron, Aragon Institute of Research & Andalusian Public Health School).

## Part C. RELEVANT ACCOMPLISHMENTS

### C.1. Most important publications in national or international peer-reviewed journals, books and conferences

AC: corresponding author. (n° x / n° y): position / total authors. If applicable, indicate the number of citations

- 1 Scientific paper.** Donat-Vargas, C.; Guerrero-Zotano, Á.; Lope, V.; et al; Pollán, M.2022. Type does matter. Use VIRGIN olive oil as your preferred fat to reduce your risk of breast cancer: case-control EpiGEICAM study European Journal of Clinical Nutrition.
- 2 Scientific paper.** Petrova, D.; Pollán, M.; Rodríguez-Barranco, M.; Garrido, D.; Borrás, J.M.; Sánchez, M.-J.2021. Anticipated help-seeking for cancer symptoms before and after the coronavirus pandemic: results from the Onco-barometer population survey in Spain British Journal of Cancer. 124-12, pp.2017-2025.
- 3 Scientific paper.** Pérez-Gómez, B.; Pastor-Barriuso, R.; Pérez-Olmeda, M.; et al; Pollán, M.2021. ENE-COVID nationwide serosurvey served to characterize asymptomatic infections and to develop a symptom-based risk score to predict COVID-19 Journal of Clinical Epidemiology. 139, pp.240-254.
- 4 Scientific paper.** Toribio, M.J.; Priego-Capote, F.; Pérez-Gómez, B.; et al; Pollán, M.2021. Factors associated with serum vitamin D metabolites and vitamin d metabolite ratios in premenopausal women Nutrients. 13-11.
- 5 Scientific paper.** Donat-Vargas, C.; Guerrero-Zotano, Á.; Casas, A.; et al; Pollán, M.2021. Trajectories of alcohol consumption during life and the risk of developing breast cancer British Journal of Cancer. 125-8, pp.1168-1176.
- 6 Scientific paper.** Roberto Pastor-Barriuso; Beatriz Pérez-Gómez; Miguel A. Hernán; et al;. 2020. Infection fatality risk for SARS-CoV-2 in community dwelling population of Spain: nationwide seroepidemiological study BMJ. 371-m4509. <https://doi.org/10.1136/bmj.m4509>
- 7 Scientific paper.** Pollán, M.; Casla-Barrio, S.; Alfaro, J.; Esteban, C.; Seguí-Palmer, M. A.; Lucia, A.; Martín, M.2020. Exercise and cancer: a position statement from the Spanish Society of Medical Oncology Clinical & Translational Oncology. 22-10, pp.1710-1729. ISSN 1699-3055.
- 8 Scientific paper.** Lope, Virginia; Del Pozo, María Del Pilar; Criado-Navarro, Inmaculada; et al; Pollán, Marina. 2020. Serum Phospholipid Fatty Acids and Mammographic Density in Premenopausal Women The Journal of Nutrition. 150-9, pp.2419-2428. ISSN 1541-6100.
- 9 Scientific paper.** Pollán, Marina; Pérez-Gómez, Beatriz; Pastor-Barriuso, Roberto; et al; Yotti, Raquel. 2020. Prevalence of SARS-CoV-2 in Spain (ENE-COVID): a nationwide, population-based seroepidemiological study.Lancet (London, England). 396-10250, pp.535-544. [https://doi.org/10.1016/S0140-6736\(20\)31483-5](https://doi.org/10.1016/S0140-6736(20)31483-5)
- 10 Scientific paper.** Del Pozo, María Del Pilar; Lope, Virginia; Criado-Navarro, Inmaculada; et al; Pollán, Marina. 2020. Serum Phospholipid Fatty Acids Levels, Anthropometric Variables and Adiposity in Spanish Premenopausal Women Nutrients. 12-6. ISSN 2072-6643.

- 11 **Scientific paper.** Fernández de Larrea-Baz, Nerea; Pérez-Gómez, Beatriz; Guerrero-Zotano, Ángel; et al; Pollán, Marina. 2020. Primary breast cancer and health related quality of life in Spanish women: The EpiGEICAM case-control study Scientific Reports. 10-1, pp.7741-7741. ISSN 2045-2322.
- 12 **Scientific paper.** Gardeazabal, I.; Romanos-Nanclares, A.; Martínez-González, M. Á; et al; Toledo, E.2020. Mediterranean dietary pattern is associated with lower incidence of premenopausal breast cancer in the {Seguimiento} {Universidad} de {Navarra} ({SUN}) {Project} Public Health Nutrition. pp.1-12. ISSN 1475-2727.
- 13 **Scientific paper.** Castelló, Adela; Pérez-Gómez, Beatriz; Lora-Pablos, David; et al; García-Pérez, Javier. 2020. Validation of self-reported perception of proximity to industrial facilities: {MCC}-{Spain} study Environment International. 135, pp.105316-105316. ISSN 1873-6750.
- 14 **Scientific paper.** Lope, Virginia; Martín, Miguel; Castelló, Adela; et al; Pollán, Marina. 2019. Overeating, caloric restriction and breast cancer risk by pathologic subtype: the {EPIGEICAM} study Scientific Reports. 9-1, pp.3904-3904. ISSN 2045-2322.
- 15 **Scientific paper.** Del Pozo, María Del Pilar; Castelló, Adela; Vidal, Carmen; et al; Lope, Virginia. 2018. Overeating, caloric restriction and mammographic density in {Spanish} women. {DDM}-{Spain} study Maturitas. 117, pp.57-63. ISSN 1873-4111.
- 16 **Scientific paper.** Lope, Virginia; Castelló, Adela; Mena-Bravo, Antonio; et al; Pollán, Marina. 2018. Serum 25-hydroxyvitamin {D} and breast cancer risk by pathological subtype ({MCC}-{Spain}) The Journal of Steroid Biochemistry and Molecular Biology. 182, pp.4-13. ISSN 1879-1220.
- 17 **Scientific paper.** García-Pérez, Javier; Lope, Virginia; Pérez-Gómez, Beatriz; et al; Pollán, Marina. 2018. Risk of breast cancer and residential proximity to industrial installations: {New} findings from a multicase-control study ({MCC}-{Spain}) Environmental Pollution (Barking, Essex: 1987). 237, pp.559-568. ISSN 1873-6424. <https://doi.org/10.1016/j.envpol.2018.02.065>
- 18 **Scientific paper.** Boldo, Elena; Castelló, Adela; Aragonés, Nuria; et al; researchers}, {MCC-Spain. 2018. Meat intake, methods and degrees of cooking and breast cancer risk in the {MCC}-{Spain} study Maturitas. 110, pp.62-70. ISSN 1873-4111.
- 19 **Scientific paper.** Castelló, Adela; Amiano, Pilar; Fernández de Larrea, Nerea; et al; researchers}, {MCC-Spain. 2018. Low adherence to the western and high adherence to the mediterranean dietary patterns could prevent colorectal cancer European Journal of Nutrition. ISSN 1436-6215. <https://doi.org/10.1007/s00394-018-1674-5>
- 20 **Scientific paper.** Dierssen-Sotos, Trinidad; Gómez-Acebo, Inés; Palazuelos, Camilo; et al; Llorca, Javier. 2018. Validating a breast cancer score in {Spanish} women. {The} {MCC}-{Spain} study Scientific Reports. 8-1, pp.3036-3036. ISSN 2045-2322.

### C.3. Research projects and contracts

- 1 **Project.** Convocatoria IMPaCT Programa 1: Cohorte CIBER-SNS. Fondo de Investigación Sanitaria. AES. Instituto de Salud Carlos III. Marina Pollán. (CIBER). 01/01/2021-31/12/2023. 13.999.997 €.
- 2 **Project.** LifeBreast: A lifestyle randomized trial for improving prognosis and wellbeing in breast cancer patients PI19CIII/00039. AESI. (Centro Nacional de Epidemiología). 01/01/2020-31/12/2022. 192.892 €.
- 3 **Project.** Biomarkers of HPV-driven head and neck cancer in Latin America and Europe (HEADLAcE).. Europe & Latinoamerica EU-LAC Health. Luisa Lina Villa. (Instituto do Cancer do Estado de Sao Paulo Brasil; Instituto Europeo di Oncologia Italia; Instituto de Salud Carlos III españa, Cancer Institute Peru; Fundación Santafé Colombia; IARC Francia). 01/01/2018-31/12/2020.
- 4 **Contract.** Estudio Nacional de sero-Epidemiología de la infección por SARS-CoV-2 en España (ENE-COVID) Sistema Nacional de Salud; Instituto de Salud Carlos III; Ministerio de Sanidad y Consumo. Marina Pollán. 23/03/2020-23/03/4040.
- 5 **Contract.** ESTUDIO MULTI-CASO CONTROL POBLACIONAL INCLUYENDO TUMORES DE ALTA INCIDENCIA EN ESPAÑA Ministerio de Sanidad y Consumo. Marina Pollán Santamaría. (CIBER EPIDEMIOLOGIA Y SALUD PUBLICA (CIBERESP)). 01/01/2008-01/12/2015. 635.607 €.

#### **C.4. Activities of technology / knowledge transfer and results exploitation**

- 1** Pablo Fernández Navarro; Marina Pollán Santamaría; Gonzalo Jorge López-Abente Ortega; Javier García Pérez; Mario González Sánchez. 16/2018/3650. Aplicación para dispositivos móviles de Información sobre Contaminación Industrial AMICI y Mortalidad por cáncer AMICIC Spain. 22/12/2017.
- 2** Dolores Salas Trejo; Rafael Llobet Azpitarte; Juan Carlos Pérez Cortés; Marina Pollán Santamaría; Beatriz Pérez Gómez. Software de predicción de riesgo de cáncer de mama R-19097-2017 Spain. 2017. Universitat Politecnica de Valencia, Instituto de Salud Carlos III & FISABIO.