

Annual report 2023

EUPHA Public health genomics section (EUPHA-PHG)

Report on the activities of the EUPHA Public Health Genomics Section, 2022/2023

The EUPHA-PHG Section President Roberta Pastorino was re-elected by the members after completing her three-year term. There were no changes in the leadership of the section, with President Roberta Pastorino and Vice-Presidents Francesco Gianfagna and Peter Piko remaining. Membership of the section increased from 883 the previous year to 992.

The PHG section is involved in the activities of the “European network staff eXchange for integrAting precision health in the health Care sysTems” consortium (ExACT). ExACT is aimed at building a community of academic and non-academic institutions that generates high-quality, multidisciplinary collaboration by exchanging knowledge in research and training activities on precision health. EUPHA is a partner in the project.

An open seminar conference organized by EXACT was held on 22nd June 2023. The seminar topics were: “*The integration of big data and digital/innovative solutions into the health care systems*” and “*Bringing personalized health to the community through stakeholder and citizens engagement*”. Link: https://eupha.org/repository/sections/email_module/PHG/Open%20seminar%20ExACT.pdf

Goals for 2023

The section’s main goal is to further implement public health genomics in Europe by providing guidance in this challenging field.

To reach this goal, the main aims of the EUPHA section on public health genomics are:

- 1) To promote and strengthen research in the field of public health genomics
- 2) To encourage joint activities in the field of public health genomics and collaborations with other EUPHA sections, in particular with Public health epidemiology, Digital and Health Promotion, Ethics in public health, and Chronic diseases sections. The integration of genomic knowledge and technologies into healthcare is revolutionizing the way we approach clinical and public health practice.
- 3) To develop and promote strategies to influence national, European, and global policy-making in the field of public health

Activities at the EPH conference

EUPHA-PHG in collaboration with EUPHA-EPI, EUPHA-ECO, EUPHA-CHR, and EUPHA-HSR sections will organize a workshop entitled: “*Cancer Epidemiology and Prevention: which opportunities from the EU Cancer Mission?*” at the 16th European Public Health Conference 2023 on 9th November 2023 (15:10-16:10).

Other activities

The PHG section is involved in the activities of the following European projects:

- “European network staff eXchange for integrAting precision health in the health Care sysTems” consortium (ExACT) – web page: <http://www.exactproject.net/site/>
- PROPHET Action (A Personalized Prevention roadmap for the future HEalThcare – HORIZONT-HLTH-2021-STAYHLTH-01-04) – web page: <https://prophetproject.eu/>

Annual Meeting

The Section meeting will be held during the EPH Conference 2023 in Dublin, Ireland on 9/11/2023 (14:00 – 15:00).

General communications with section members

It is managed via the EUPHA office. Interactions among members are regular via email and Skype.

Publications

Below some publications on the field Public health genomic.

- Piko P, Jenei T, Kosa Z, Sandor J, Kovacs N, Seres I, Paragh G, Adany R. Association of CETP Gene Polymorphisms and Haplotypes with Cardiovascular Risk. *Int J Mol Sci.* 2023 Jun 17;24(12):10281. doi: 10.3390/ijms241210281. PMID: 37373432; PMCID: PMC10299660.
- Piko P, Llanaj E, Nagy K, Adany R. Genetic Background of Metabolically Healthy and Unhealthy Obesity Phenotypes in Hungarian Adult Sample Population. *Int J Mol Sci.* 2023 Mar 8;24(6):5209. doi: 10.3390/ijms24065209. PMID: 36982283; PMCID: PMC10049500.
- Kurshed AAM, Vincze F, Pikó P, Kósa Z, Sándor J, Ádány R, Diószegi J. Taste Preference-Related Genetic Polymorphisms Modify Alcohol Consumption Behavior of the Hungarian General and Roma Populations. *Genes (Basel).* 2023 Mar 7;14(3):666. doi: 10.3390/genes14030666. PMID: 36980937; PMCID: PMC10048713.
- Pikó P, Bácsné Bába É, Kósa Z, Sándor J, Kovács N, Bács Z, Ádány R. Genetic Determinants of Leisure-Time Physical Activity in the Hungarian General and Roma Populations. *Int J Mol Sci.* 2023 Feb 26;24(5):4566. doi: 10.3390/ijms24054566. PMID: 36901996; PMCID: PMC10003125.
- Calabrò GE, Causio FA, Pires Marafon D, Sassano M, Moccia F, Pastorino R, Boccia S. Public attitudes, knowledge and educational needs toward genetic testing and omics sciences: a pilot survey conducted in Italy. *Eur J Public Health.* 2023 Oct 27:ckad189. doi: 10.1093/eurpub/ckad189
- Pastorino R, van El C, Boccia S. Transforming health systems for incorporating personalized health interventions. *Eur J Public Health.* 2023 Jul 13:ckad120. doi: 10.1093/eurpub/ckad120. Online ahead of print.