**PHG Newsletter 3/2017 - December 2017**

Dear members,

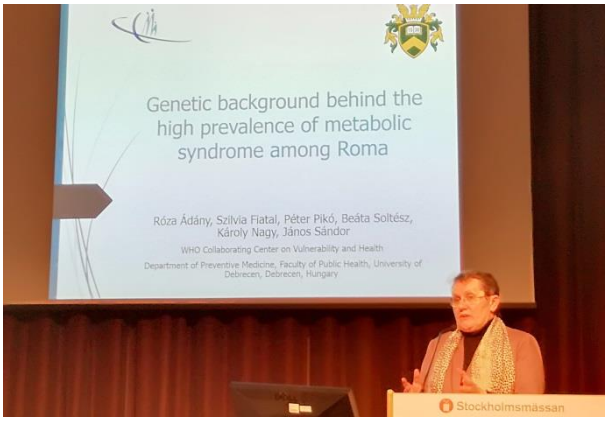
On behalf of the EUPHA Public Health Genomics (PHG) Section, we bring you our latest Newsletter. Here you can find some interesting information from the Public Health Genomics' field, space for networking and sharing ideas, and much more!

**News from our Section**

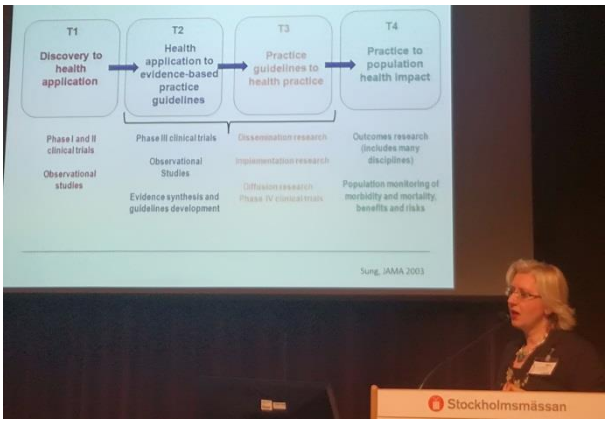
- During the 10th EUPHA Conference in Stockholm this year we had a very productive participation. The members of our Section presented their scientific contributions across different sessions during the four congress days. The PHG Section organized two events at this year's conference. **Join the Network meeting,** moderated by **Róza Ádány and Stefania Boccia**, organized to increase the networking in a relaxing atmosphere, to welcome new members into our Section, and to have an overview of the accomplished goal and activities during the previous year. Plans for future scientific collaboration were also discussed as well some ideas for the participation of our Section at the 11th EUPHA Conference to be held from 28 November – 1 December 2018 in Ljubljana, Slovenia. Bellow you can see some photos from the event.

- During the 10th EUPHA Conference - Stockholm 2017, we also organized the workshop**: Implementing the '-omics' evidences into precision prevention and interventions programs**, in collaboration with **the EUPHA section on Chronic Diseases**. The workshop took place on Saturday

4th of November, from 8.30-10.00 and the audience was pleased to hear some state-of-the-art presentations from our key-speakers: **Iveta Nagyova, Róza Ádány, Stefania Boccia and Marc Van Den Bulcke**. The presentations were followed by a very dynamic discussion. Bellow you can see several photos from the event and also, you can access the abstract of the workshop following the link here.






**Interesting readings**

End of the year is approaching, and even though this year brought us many challenges on the global level, the scientific community worldwide continued to provide us with some breakthrough contributions. In this occasion, the CDC's published a text **The Year in Review: Top 10 Public Health Genomics Hits of 2017!** that you can access here.

The PHG Foundation, a non-profit think tank with a special focus on how genomics and other emerging health technologies can provide more effective, personalised healthcare and deliver improvements in health for patients and citizens, recently published a report **Personalised prevention in breast cancer: the policy landscape**. The key objectives of this report were to: describe the current landscape of breast cancer prevention within health promotion and disease prevention programmes, and to investigate the inclusion of personalised breast cancer prevention within the discourse of public health and policy makers. Full report can be accessed by following the link here.

**Scientific Publications**

Boccia, Stefania, Antonio Federici, Roberta Siliquini, Giovanna Elisa Calabrò, and Walter Ricciardi. 2017. "**Implementation of Genomic Policies in Italy: The New National Plan for Innovation of the Health System Based on Omics Sciences**." Epidemiology, Biostatistics and Public Health 14(4). doi:10.2427/12782. Available from: http://ebph.it/article/view/12782

Fiatal, Szilvia, and Roza Adany. 2017. "**Application of Single Nucleotide Polymorphism-Related Risk Estimates in Identification of Increased Genetic Susceptibility to Cardiovascular Diseases: A Literature Review.**" Frontiers in Public Health 5: 358. doi:10.3389/FPUBH.2017.00358. Available from: https://www.frontiersin.org/articles/10.3389/fpubh.2017.00358/abstract

Karanikolos, Marina, Roza Adany, and Martin McKee. 2017. "**The Epidemiological Transition in Eastern and Western Europe: A Historic Natural Experiment.**" European Journal of Public Health 27 (suppl_4):4–8.doi:10.1093/eurpub/ckx158. Available from: http://www.ncbi.nlm.nih.gov/pubmed/29028237

Migliara, Giuseppe, Valentina Baccolini, Annalisa Rosso, Elvira D'Andrea, Azzurra Massimi, Paolo Villari, and Corrado De Vito. 2017. "**Familial Hypercholesterolemia: A Systematic Review of Guidelines on Genetic Testing and Patient Management**." Frontiers in Public Health 5 (September 25,2017):252.doi:10.3389/fpubh.2017.00252. Available from: http://journal.frontiersin.org/article/10.3389/fpubh.2017.00252/full

Pastorino, Roberta, Alessia Tognetto, and Stefania Boccia. 2017. "**Screening Programs for Lynch Syndrome in Italy: State of the Art and Future Challenges."** Epidemiology, Biostatistics and Public Health 14(2). doi:10.2427/12615. Available from: http://ebph.it/article/view/12615

Selmeczi, Anna, Réka Gindele, Péter Ilonczai, Attila Fekete, István Komáromi, Ágota Schlammadinger, Katalin Rázsó, Kitti B Kovács, Helga Bárdos, Róza Ádány, László Muszbek, Zsuzsanna Bereczky, Zoltán Boda, and Zsolt Oláh. 2017. "**Antithrombin Debrecen (p.Leu205Pro) – Clinical and Molecular Characterization of a Novel Mutation Associated with Severe Thrombotic Tendency**." Thrombosis Research 158 (October): 1–7. doi:10.1016/j.thromres.2017.07.023. Available from: http://www.ncbi.nlm.nih.gov/pubmed/28783511

Khoury, Muin J, M Scott Bowen, Mindy Clyne, W David Dotson, Marta L Gwinn, Ridgely Fisk Green, Katherine Kolor, Juan L Rodriguez, Anja Wulf, and Wei Yu. 2017. "**From Public Health Genomics to Precision Public Health: A 20-Year Journey**." GENETICS in MEDICINE, December. doi:10.1038/gim.2017.211. Available from: http://www.ncbi.nlm.nih.gov/pubmed/29240076

Holtkamp, Kim C. A., Phillis Lakeman, Hind Hader, Suze M. J. P. Jans, Maria Hoenderdos, Henna A. M. Playfair, Martina C. Cornel, Marjolein Peters, and Lidewij Henneman. 2017. "**Experiences of a High-Risk Population with Prenatal Hemoglobinopathy Carrier Screening in a Primary Care Setting: A Qualitative Study.**" Journal of Genetic Counseling, October. doi:10.1007/s10897-017-0159-7. Available from: http://www.ncbi.nlm.nih.gov/pubmed/28980104

Nagy, Károly, Szilvia Fiatal, János Sándor, and Róza Ádány. 2017. "**Distinct Penetrance of Obesity-Associated Susceptibility Alleles in the Hungarian General and Roma Populations.**" Obesity Facts 10 (5): 444–57. doi:10.1159/000478094. Available from: http://www.ncbi.nlm.nih.gov/pubmed/28988247

Howard, Heidi C., Carla G. van El, Francesca Forzano, Dragica Radojkovic, Emmanuelle Rial-Sebbag, Guido de Wert, Pascal Borry, Martina C. Cornel, and Public and Professional Policy Committee of the European Society of Human Genetics. 2017. "**One Small Edit for Humans, One Giant Edit for Humankind? Points and Questions to Consider for a Responsible Way Forward for Gene Editing in Humans**." European Journal of Human Genetics, November. doi:10.1038/s41431-017-0024-z. Available from: http://www.ncbi.nlm.nih.gov/pubmed/29192152

Evangelatos, Nikolaos, Kapaettu Satyamoorthy, and Angela Brand. 2017. "**Personalized Health in a Public Health Perspective**." International Journal of Public Health, November. doi:10.1007/s00038-017-1055-5. Available from: http://www.ncbi.nlm.nih.gov/pubmed/29127448

Cadigan, R. Jean, Rita Butterfield, Christine Rini, Margaret Waltz, Kristine J. Kuczynski, Kristin Muessig, Katrina A.B. Goddard, and Gail E. Henderson. 2017. "**Online Education and E-Consent for GeneScreen, a Preventive Genomic Screening Study**." Public Health Genomics 20 (4): 235–46. doi:10.1159/000481359. Available from: http://www.ncbi.nlm.nih.gov/pubmed/29069655

Phillips, Kathryn A., Patricia A. Deverka, Harold C. Sox, Muin J. Khoury, Lewis G. Sandy, Geoffrey S. Ginsburg, Sean R. Tunis, Lori A. Orlando, and Michael P. Douglas. 2017. "**Making Genomic Medicine Evidence-Based and Patient-Centered: A Structured Review and Landscape Analysis of Comparative Effectiveness Research**." Genetics in Medicine 19 (10): 1081–91. doi:10.1038/gim.2017.21. Available from: http://www.ncbi.nlm.nih.gov/pubmed/28406488

Balasopoulou, Angeliki, Foong-Ming Mooy, Darrol J. Baker, Christina Mitropoulou, Efthymios Skoufas, Awang Bulgiba, Theodora Katsila, and George P. Patrinos. 2017. "**Advancing Global Precision Medicine: An Overview of Genomic Testing and Counseling Services in Malaysia**." OMICS: A Journal of Integrative Biology 21 (12): 733–40. doi:10.1089/omi.2017.0136. Available from: http://www.ncbi.nlm.nih.gov/pubmed/29173101

**Job opportunities**

The scientific institute of Public health (WIV-ISP) offers a **new position for a Public Health Genomics researcher – Head of Unit**. Send in your application through their website https://www.wiv-isp.be/en/working-wiv-isp. For details please visit their web-page here or contact Prof. Herman Van Oyen (hvanoyen@wiv-isp.be).

Please contact our Section, if you have some further information and think that it might be interesting for other members to know (*upcoming international courses, lectures and conferences from the field, international projects to participate – call for application, networking opportunities, possible job application within your institution interesting for our members, scientific publications, etc*).

Within this year's last Newsletter we would like to thank you for your contribution to our Section and wish you a Happy New Year!

With warmest regards,

Róza Ádány and Stefania Boccia