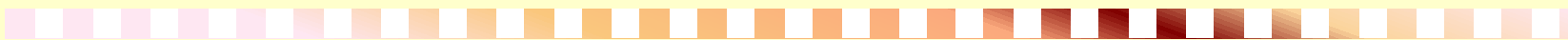


Genomic Medicine Alliance



Theodora Katsila, George P. Patrinos





GENOMIC MEDICINE ALLIANCE

PROMOTES THE MEANS TO ESTABLISH NETWORKS TOWARDS
ADVANCING THE GENOMIC MEDICINE DISCIPLINE

ENCOURAGE AND CATALYZE

multidisciplinary collaborative research between partner
institutions and scientists, particularly from emerging countries.



Aims to build/strengthen collaboration ties between academics, researchers, regulators, and the general public interested in all aspects of genomic medicine, focusing in particular on translating results from research into clinical practice.

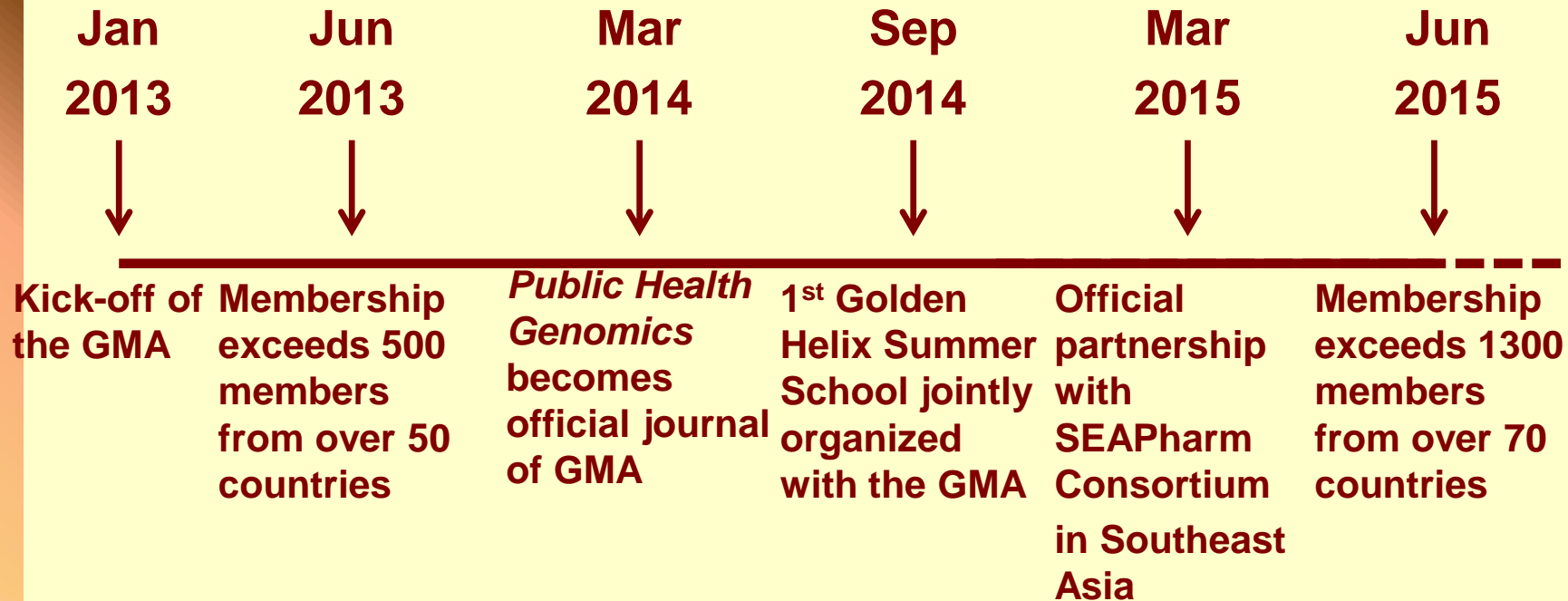


Key features

- **Genomic Medicine Alliance** is an international scientific research network with over 1300 members from more than 60 countries worldwide.
- At present, research activities are self-financed by participants' own funding sources and partly funded by the **Golden Helix Foundation** (a London-based UK Charity).
- Scientific coordination is provided by the **Scientific Advisory Committee**, comprising of 15 internationally renowned scientists in the field of **Genomics Research**.
- Administrative assistance is provided by the **Golden Helix Foundation** staff.
- Registration to the **Genomic Medicine Alliance** is free-of-charge to encourage participation of researchers from developing and low-income countries.



History - Landmarks



Genomic Medicine Alliance

Working Groups

- **Genome Informatics**
- **Pharmacogenomics**
- **Cancer Genomics**
- **Public Health Genomics**
- **Ethics in Genomics**
- **Economic evaluation in Genomic
Medicine**



Collaborative Research Initiatives

- The Euro-PGx project: Defining the incidence of (actionable) pharmacogenomic biomarkers in 18 European populations (Mizzi et al., in preparation).
- The NextGenPGx project: Application of whole genome sequencing in pharmacogenomics and eLineation with rare drug outcomes (Mizzi et al., *Pharmacogenomics*, 2014).
- The DruGeVar database: Development of a free online resource triangulating between drugs, genes and pharmacogenomic biomarkers for clinical pharmaco-genomics (Dalabira et al., *Public Health Genomics*, 2014). <http://biodata.gr/findbase/drugs/pivot/>
- The ePGA tool: An online tool translating pharmaco-genomics information into a clinically meaningful format. <http://www.epga.gr/>



Collaborative Research Initiatives

- Stakeholder analysis in genomics: Critically assessing the views of the various stakeholders involved in the provision of Genomics services (Mitropoulou et al., *Public Health Genomics*, 2014).
- Economic evaluation and health technology assessment of pharmacogenomics in developing countries: Assessing the cost-effectiveness of genomic-based warfarin treatment in the Croatian population (Mitropoulou et al., *Pharmacogenomics*, 2015) and development of a generic model for health technology assessment in Genomic Medicine (Fragoulakis et al., in preparation).

Public Health Genomics becomes the official journal for GMA

**Public Health
Genomics**

Editorial

Public Health Genomics 2014;17:125–126
DOI: 10.1159/000363559

Published online: June 13, 2014

Public Health Genomics Joins Forces with the Genomic Medicine Alliance

Public Health Genomics is a PubMed-indexed leading international journal in the field of Genomic Sciences (2014 Impact Factor = 2.25).



Publication of Golden Helix Conferences abstracts as *Public Health Genomics* Supplements

**Public Health
Genomics**

2015 Golden Helix Symposium Next Generation Pharmacogenomics

March 11–13, 2015, Kuala Lumpur, Malaysia

Abstracts



The Genomic Medicine Alliance - Public Health Genomics Prize

Public Health
Genomics



Genomic Medicine Alliance
Genomics & Personalized Medicine

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at the annual
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Special issue in *Public Health Genomics* “Public Health Pharmacogenomics”

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Public Health Pharmacogenomics

Editor(s): Patrinos G.P. (Patras)

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Status: available
Publication year: 2014

Special Topic Issue: [Public Health Genomics 2014, Vol. 17, No. 5-6](#)

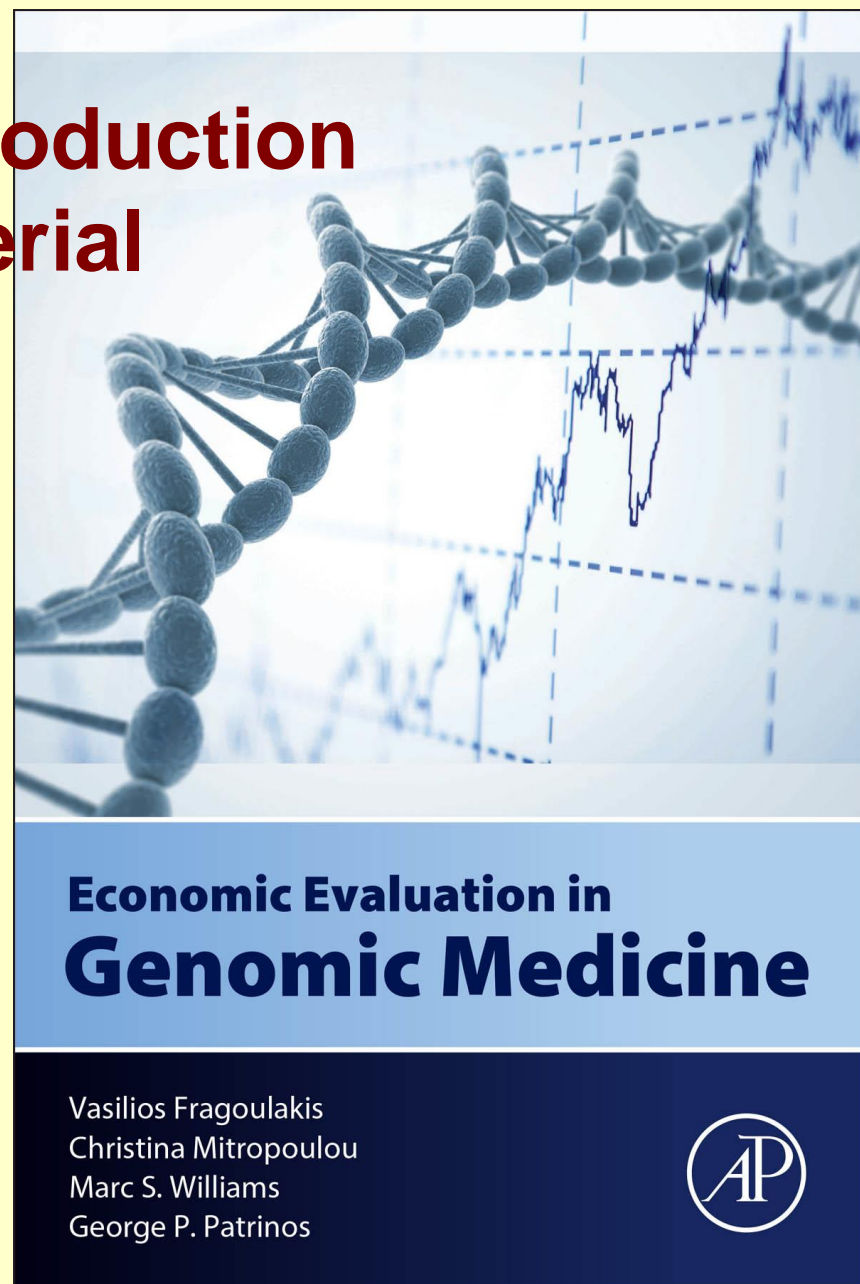
Pharmacogenomics in public health: fulfilling the promise of personalized medicine



Encouraging the production of educational material

Endorsement of the production of:

- “Economic Evaluation in Genomic Medicine” by Elsevier/Academic Press, March 2015.
- “Human Genome Informatics” (*in preparation*, expected delivery date: Early 2017.



Co-organization of previous educational activities



Pharmacogenomics and Genomic Medicine: Bridging Research and the Clinic

September 11-15, 2014

Aegina island, Athens, Greece



Co-organization of future educational activities



Cancer Genomics and individualized therapy
September 25-29, 2016
Syros island, Greece



Partnerships with other Research

Networks and Consortia

- **Southeast Asian Pharmacogenomics Consortium (SEAPharm)**
- **Global Alliance for Genomics and Health (GA4GH)**
- **Global Genomic Medicine Collaborative (G2MC)**

Future plans

- Steadily expand the membership basis, particularly with members from developing countries in the Middle East, Latin America and Africa.
- Partner with other multinational groups to pursue common goals in Genomic Medicine.
- Develop a social media-like communication and information portal for Genomic Medicine.
- Establish short and long-term fellowships for students from developing countries.
- Establish, in collaboration with the Golden Helix Foundation, of the Golden Helix Academy, an graduate educational entity in the field of Genomics into Healthcare.
- Establish dedicated physical presence in a developing country.



GENOMIC MEDICINE

ALLIANCE

PROVIDES THE MEANS TO ESTABLISH NETWORKS TOWARDS
ADVANCING THE GENOMIC MEDICINE DISCIPLINE

DEVELOP

and coordinate educational activities in the area of genomic medicine.



Thank you

