



Special Issue Call for Abstracts: Clinical and Public Health Genomics

Guest Editors: Kristi D. Graves, PhD, Michael J. Hall, MD, MS, and Kenneth P. Tercyak, PhD

This special issue of *Translational Behavioral Medicine (TBM)* solicits papers focusing on clinical and public health genomics. Public health genomics “analyses how genome-based knowledge and technologies can responsibly and effectively be integrated into health services and public policy for the benefit of population health.”¹ We are seeking to publish high impact behavioral medicine research that translates genomics across the spectrum of healthcare, from a multilevel perspective, with patients and the general public in mind. Multilevel perspectives not only include a focus on individual health behaviors and health outcomes, but also attend to contextual influences.² Examples include communication with family members and healthcare providers, and the effects of mass media. Other examples include behavioral and environmental risk reduction through personal and socially-influenced choices, as well as institutional protections and public policy initiatives.² We need additional empirical evidence of the costs and benefits of using genomic health information; research on dissemination, implementation, and diffusion of genomic health data in real-world settings; policy and practice guidelines that inform us about the use of genomics; and monitors of population health impact.¹ The topic seeks to bridge across the highly interconnected realms of identifying disease risk, utilizing primary prevention strategies with behavioral and/or pharmacological components, individualizing treatments based on genomic information, and considering implications for community health practice and beyond. With an eye toward broad public health endeavors, scholarship in this area should inform policy debates and guide the integration of genomic technologies in healthcare systems. *TBM* is especially interested in reports of research in the following areas:

Precision Medicine Across the Spectrum

- Precision prevention of disease, recognizing the important roles of behavior, the environment, and genomics
- Precision Medicine Initiative, Moonshot Initiative, and patient engagement with genomics
- Impact and implications of comprehensive genomic screening for disease management
- Pediatric and family health, primary care, and community health and wellness
- Stakeholder engagement, peer support, and lay health counseling and advising models

Integrating Genomic Health into Systems of Care

- Communication, education, and genetic health literacy
- Minority and underserved populations, and disparities in genomic testing
- Patient reported outcomes of genomic testing, adherence behaviors, and their impact on health
- Return of research and clinical genomic test results, and the roles of patient-provider-family-system
- Managing genetic information (preferences, privacy, confidentiality)
- Integrating genomic information into electronic medical records for improved health outcomes
- Provider perspectives about or use of genomic information to improve clinical care

Policy, Cost, and Evaluation of New Approaches

- Utility of multigene panel tests and their role in clinical and population health management
- Policy implications of prevention, screening, and similar programs that incorporate genomic data
- Evaluating the costs and benefits of new approaches (e.g., genomic technologies) through comparative effectiveness research
- Empirical case studies of how innovative health care systems utilize genomics to personalize care
- Barriers and facilitators to how payers/insurance providers integrate and address 'precision medicine' or genomics-related approaches to care

Original, empirical studies as well as literature reviews are encouraged for submission. Quantitative, qualitative, and mixed-methods papers are also welcomed. All submissions should address one or more the identified areas, or be relevant to practice, policy, and research within behavioral medicine's approach to clinical and public health genomics.

Abstract Submission Deadline: January 31, 2017

Journal Website: <http://www.springer.com/medicine/journal/13142>

Potential authors are asked to submit an abstract of 250 words or less to the Guest Editors. Each abstract will be reviewed and, if approved, invited to submit a full manuscript for consideration under a rigorous peer review process. Abstracts and all questions should be directed to the Guest Editors, Drs. Graves (kristi.graves@georgetown.edu), Hall (michael.hall@fcc.edu), and Tercyak (tercyakk@georgetown.edu). Manuscripts must follow the *TBM* Instructions to Authors and be submitted via the online submission system. This information can be found on the Journal website. Please indicate in the Author Comments section that the manuscript is to be considered for the Special Issue on Clinical and Public Health Genomics. The Special Issue is scheduled to appear in late 2017.

¹Cleeren *et al.* Public health in the genomic era: Will Public Health Genomics contribute to major changes in the prevention of common diseases? *Arch Public Health*. 2011 Dec 5;69(1):8.

²Hay *et al.* Anticipating dissemination of cancer genomics in public health: A theoretical approach to psychosocial and behavioral challenges. *Ann Behav Med*. 2007 Nov-Dec;34(3):275-86.