Public Health Genomics: Using Genetic Information to Improve Health Now and in the Future

Contributions from the 4th National Conference on Genomics and Public Health: United States 2010

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Health Literacy

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Contents

Editorial
Health Literacy and Public Health Genomics: Innovation Management by Citizens:
Brand, A.; Brand, H.

Health Literacy: The Essential Catalyst for the Responsible and Effective Translation of Genome-Based Information for the Benefit of Population Health: Sørensen, K.; Brand, H.

Genome-Based Health Literacy: A New Challenge for Public Health Genomics: Syurina, E.V.; Brankovic, I.; Probst-Hensch, N.; Brand, A.

Educating Underserved Latino Communities about Family Health History Using Lay Health Advisors: Kaphingst, K.A.; Lachance, C.R.; Gepp, A.; Hoyt D’Anna, L.; Rios-Ellis, B.

Literacy Assessment of Family Health History Tools for Public Health Prevention: Wang, C.; Gallo, R.E.; Fleisher, L.; Miller, S.M.


Preferences for Hereditary Breast and Ovarian Cancer Information among Mexican, Cuban and Puerto Rican Women at Risk: Quinn, G.P.; McIntyre, J.; Vadaparampil, S.T.


Public Awareness of Genetic Influence on Chronic Disease Risk: Are Genetic and Lifestyle Causal Beliefs Compatible?: Sanderson, S.C.; Waller, J.; Humphries, S.E.; Wardle, J.


Author and Subject Index

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Schatz (Basel)
A Matter of Wonder
What Biology Reveals about Us, Our World, and Our Dreams

Where do we come from? Is our destiny determined by the genes we inherit? In this book Gottfried Schatz, the world-renowned biochemist and co-discoverer of mitochondrial DNA, gives lucid – albeit often surprising – answers to universal questions and takes the reader on a fascinating journey of discovery across the boundaries of scientific disciplines. With passion and a keen sense of wonder he draws on philosophy, cultural history and art to formulate his reflections on the mysteries of life. His essays will appeal not only to scientists but to all inquisitive minds, regardless of educational and professional background.

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Contents

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The Conference in Brazil will approach the theme of Clinical Bioethics in Diversity

The theme of the Conference that will be held in Brazil – São Paulo is Clinical Bioethics in Diversity. A central philosophy issue for this field is whether there is or is not a single canonical method for clinical ethics that can solve the ethical problems in all institutional scenarios. Some believe that a method of universal human rights or a method based on common morality will provide this basis. Others recognize that there are various moral communities and that the particular and real value commitments of these communities are so complex and involving that should be taken into account. Beyond these comprehensive issues, there are differences arising among legal jurisdictions, as well as process and procedure differences among institutions that make the provision of ethical advisory services much more complicated than frequently appreciated. Understanding how these differences form ethical advisory and to what extent they change the regulatory foundations of that field will be doubtlessly an exciting component for this Congress.

Goals of the Conferences
The main goal of the conferences is to promote the development of the field of clinical ethics and ethical advisory. A second goal is to internationally promote clinical ethics and allow debates under an interdisciplinary focus upon which experts can approach common themes and issues from their professional experiences. It is important that these conferences are not centered on the individual agendas of private institutions or professional societies. For such, we believe that we will show significant progress from the academic and interdisciplinary debate upon which clinical ethics and ethical advisory will be discussed particularly and comprehensively.

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All over the world families migrate, and with them so do their children. Probing the question of what 'being an immigrant' means, this publication brings together theory and empirical findings to highlight the impact of immigration on child development in a global context. Discussed is the impact of these processes on children and adolescents in a variety of different countries and social contexts to determine both universal and culturally specific aspects of the experience of immigration as it becomes a pervasive reality of the modern world.

This publication is appropriate for anyone who is interested in the process of migration/immigration and how it affects human development. Both students and scholars as well as real-world practitioners and policy makers in education, psychology, sociology, anthropology, ethnic and cultural studies, immigration studies, government and public policy will find this book a valuable source of information about the present and the way in which the next generation develops in response to the immigrant experience.

Contents

Introduction: The Global, the Local – Children and Immigration around the World: Garcia Coll, C.

Quiet in the Eye of the Beholder: Teacher Perceptions of Asian Immigrant Children: Yamamoto, Y.; Li, J.

The Impact of Social Contexts in Schools: Adolescents Who Are New to Canada and Their Sense of Belonging: Gagné, M.H.; Shapka, J.D.; Law, D.M.

Are Immigrant Children in Italy Better Adjusted than Mainstream Italian Children? Dimitrova, R.; Chasiotis, A.


Immigrant Youth Adaptation in Context: The Role of Society of Settlement: Sam, D.L.; Horenczyk, G.

Examining Spiritual Capital and Acculturation across Ecological Systems: Developmental Implications for Children and Adolescents in Diverse Immigrant Families: Oh, S.S.; Yoshikawa, H.

Immigrant Youth and Discrimination: Vedder, P.; van Geel, M.


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Personalized Nutrition
Translating Nutrigenetic/Nutrigenomic Research into Dietary Guidelines

Editors
Artemis P. Simopoulos
John A. Milner

Contents

List of Contributors
Preface: Simopoulos, A.P.; Milner, J.A.
Opportunities and Challenges in Nutrigenetics/Nutrigenomics and Health: De Caterina, R.
Genome-Wide Association Studies and Diet: Ferguson, L.R.
Copy Number Variation, Eicosapentaenoic Acid and Neurological Disorders: With Particular Reference to Huntington's Disease and Associated CAG Repeats, and to Myalgic Encephalomyelitis and Viral Infection: Puri, B.K.; Manku, M.S.
Nutrigenomics: A Tool to Provide Personalized Nutritional Therapy to the Obese: Marti, A.; Goyenechea, E.; Martinez, J.A.
Strategies to Improve Detection of Hypertension Genes: Hunt, S.C.
Diet, Nutrition and Modulation of Genomic Expression in Fetal Origins of Adult Disease: Jackson, A.A.; Burdge, G.C.; Lillycrop, K.A.
Choline: Clinical Nutrigenetic/Nutrigenomic Approaches for Identification of Functions and Dietary Requirements: Zeisel, S.H.

Dietary Polyphenols, Deacetylases and Chromatin Remodeling in Inflammation: Rahman, I.; Chung, S.
Dietary Manipulation of Histone Structure and Function: Ho, E.; Dashwood, R.H.
Changes in Human Adipose Tissue Gene Expression during Diet-Induced Weight Loss: Svensson, P.-Å.; Gummesson, A.; Carlsson, L.M.S.; Sjöholm, K.
Toxicogenomics and Studies of Genomic Effects of Dietary Components: Thompson, K.
Dietary Methyl Deficiency, microRNA Expression and Susceptibility to Liver Carcinogenesis: Starlard-Davenport, A.; Tryndyak, V.; Kosyk, O.; Ross, S.R.; Rusyn, I.; Beland, F.A.; Pogribny, I.P.
Redox Dysregulation and Oxidative Stress in Schizophrenia: Nutrigenetics as a Challenge in Psychiatric Disease Prevention: Do, K.Q.; Consu, P.; Cuenod, M.
Nutrigenomics and Agriculture: A Perspective: Spence, J.T.
Opportunities and Challenges in Nutrigenetics/Nutrigenomics: Building Industry-Academia Partnerships: Gillies, P.J.; Kris-Etherton, P.M.

Awareness of the influence of our genetic variation to dietary response (nutrigenetics) and how nutrients may affect gene expression (nutrigenomics) is prompting a revolution in the field of nutrition. Nutrigenetics/Nutrigenomics provide powerful approaches to unravel the complex relationships among nutritional molecules, genetic variants and the biological system. This publication contains selected papers from the 3rd Congress of the International Society of Nutrigenetics/Nutrigenomics held in Bethesda, Md., in October 2009. The contributions address frontiers in nutrigenetics, nutrigenomics, epigenetics, transcriptomics as well as non-coding RNAs and posttranslational gene regulations in various diseases and conditions. In addition to scientific studies, the challenges and opportunities facing governments, academia and the industry are included.

Everyone interested in the future of personalized medicine and nutrition or agriculture, as well as researchers in academia, government and industry will find this publication of the utmost interest for their work.
GenEthics and Religion

Examines the role of religious ethics in society’s discourse on gene technology

Editors
Georg Pfl eiderer
Gabriela Brahier
Klaus Lindpaintner

Contents

Introduction
Beyond Playing God: Critical Religious GenEthics for Pluralistic Societies:
Pfl eiderer, G.; Brahier, G.; Lindpaintner, K.

Foundations: Hermeneutic and Conceptional Reflections
Genes – Cells – Interpretations: What Hermeneutics Can Add to Genetics and to Bioethics: Rehmann-Sutter, C.

Controversies about Human Dignity: Implications for Biotechnology: Childress, J.F.

The Function of Religion in GenEthical Debates: Critical Analyses

Eschewing Images of Man: Against Anthropological Reductionism in Bioethics: Graf, F.W.

Children, Bodies, Life: Ethics as the Churches’ Biopolitics: Gehring, P.

On the Ethics Debate between Theologians, Scientists and Doctors: Experiences, Observations and Commentaries of a Medical Geneticist: Müller, H.

Examining Constructive Efforts of Religious GenEthics (I): Christian Theological GenEthics ‘Biopower’ – Ethical and Theological Considerations: Mieth, D.

First Sheep, Then Human Beings? Theological and Ethical Reflections on the Use of Gene Technology: Schockenhoff, E.

Is the Human Genome Sacred?: Peters, T.

Examining Constructive Efforts of Religious GenEthics (II): Jewish, Islamic, and Buddhist GenEthics

The Jewish Perspective on GenEthics: Green, R.M.

Human Genetic Technologies and Islamic Bioethics: Nor, S.N.M.

Buddhism and Human Genome Research: Ratanakul, P.

Author Index
Subject Index

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117 Introduction to the 4th National Conference on Genomics and Public Health
McBride, C.M. (Bethesda, Md); Bowen, M.S. (Atlanta, Ga.); Shully, S.D. (Bethesda, Md); Khoury, M.J. (Atlanta, Ga.)

118 The Impact of Genomics on Public Health Practice: The Case for Change
Zimmern, R.L. (Cambridge); Khoury, M.J. (Bethesda, Md./Atlanta, Ga.)

125 Advancing the Post-Genomic Era Agenda: Contributions from Public Health
McGrath, B.B. (Seattle, Wash.)

132 The Public Health Genomics Translation Gap: What We Don’t Have and Why It Matters
Williams, M.S. (Salt Lake City, Utah)

139 The Role of Genomics in Health Behavior Change: Challenges and Opportunities
Bryan, A.D.; Hutchison, K.E. (Boulder, Colo.)

146 Michigan BioTrust for Health: Public Support for Using Residual Dried Blood Spot Samples for Health Research

156 Finding a Place for Genomics in Health Disparities Research
Fullerton, S.M.; Knerr, S.; Burke, W. (Seattle, Wash.)

164 Genetic Service Delivery: Infrastructure, Assessment and Information
Kaye, C.I. (Aurora, Colo.)

172 Efficient Identification and Referral of Low-Income Women at High Risk for Hereditary Breast Cancer: A Practice-Based Approach
Joseph, G.; Kaplan, C.; Luce, J.; Lee, R. (San Francisco, Calif.); Stewart, S. (Davis, Calif.); Guerra, C.; Pasick, R. (San Francisco, Calif.)

181 Family History Tools in Primary Care: Does One Size Fit All?
Wilson, B.J. (Ottawa, Ont.); Carroll, J.C. (Toronto, Ont.); Allanson, J.; Little, J. (Ottawa, Ont.); Etchegary, H. (St. John’s, Nfld.); Avar, D. (Montréal, Que.); Potter, B.K. (Ottawa, Ont.); Castle, D. (Edinburgh); Grimshaw, J.M.; Chakraborty, P. (Ottawa, Ont.)

189 The Effect of Chronic Disease Family History on Healthcare Provider Practice and Patient Behavior among Oregonians
Zlot, A.I.; Cox, S.L.; Silvey, K.; Leman, R. (Portland, Oreg.)

201 Implications of Internet Availability of Genomic Information for Public Health Practice
Hesse, B.W.; Arora, N.K. (Bethesda, Md.); Khoury, M.J. (Bethesda, Md./Atlanta, Ga.)

209 Science and the Sources of Hype
Caulfield, T. (Edmonton, Alta.); Condit, C. (Athens, Ga.)

218 Genetics Blogs as a Public Health Tool: Assessing Credibility and Influence
Wagner, L. (Bethesda, Md.); Paquin, R. (Bethesda, Md./Philadelphia, Pa.); Persky, S. (Bethesda, Md.)

226 Author and Subject Index