

KEYNOTE SPEAKER

Hugh Barton, MPhil, DipTP, MRTPI, FRSA

Emeritus Professor of Planning, Health and Sustainability, University of the West of England, Bristol, UK
Special Advisor, World Health Organization (WHO) Healthy Cities European Programme

Professor Barton trained as a town planner at Oxford Polytechnic in the late 1960s and subsequently practiced as a public sector and community planner in London, Manchester, and Bristol. For most of his career he has worked at the University of the West of England, Bristol (previously Bristol Polytechnic), teaching urban planning, environmental assessment, sustainable development, health-integrated planning, and urban design. His innovative research on energy-efficient urban form underpins much of his work. Earlier in 1980s, he founded the Urban Centre for Appropriate Technology, now the Centre for Sustainable Energy – a national center of excellence in the field.

PLENARY SESSION SPEAKER

Teresa Seeman, PhD

Professor of Epidemiology, School of Public Health
Professor of Medicine, David Geffen School of Medicine, University of California, Los Angeles

Trained as a social epidemiologist, Dr. Seeman completed post-doctoral training in neuroendocrinology with Dr. Bruce McEwen at Rockefeller University. Her research is highly interdisciplinary and focuses on understanding the social inequalities in health. She has published widely on the independent and joint effects of social and psychological factors on trajectories of health and aging, with particular interest on elucidating the biological pathways through which such factors impact health.

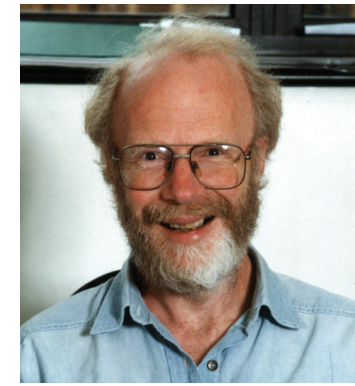
Working in both community- and laboratory-based contexts, Dr. Seeman has focused on

Professor Barton's research focus is on the impact of urban form and urban design on energy use, social inclusion, health, and well-being. His books include *A Guide to Local Environmental Auditing* (1995), *Sustainable Settlements* (1998), *Sustainable Communities: the Potential for Eco-neighbourhoods* (2000), *Healthy Urban Planning* (2003; translated into six languages), and *Shaping Neighbourhoods* (2003, 2010; a winner of special commendation from the Royal Town Planning Institute). His recent research has focused on physical activity, social inclusion, and neighborhood spatial planning. In 2009 he completed

understanding the health effects of social contexts (e.g., socio-economic status, social relationships) and psychological characteristics (e.g., control beliefs, perceptions of self-efficacy). This work has also incorporated consideration of the multiple biological pathways through which such effects may be mediated, including seminal empirical research on allostatic load (AL). This research has included development and testing of various approaches to the operationalization and investigation of AL as a hypothesized mediator, linking life-course psychosocial experiences to trajectories of health and aging.

a major project on the sustainability of suburban areas. His influential conceptual model for town planning and public health has been incorporated into UK government and WHO European guidance. He has recently completed research for the National Institute of Health and Clinical Excellence, reviewing the degree to which the British planning system delivers health and well-being in comparison with international practice.

Professor Barton is regularly invited to author special reports, attend expert seminars, and contribute to the development of the health and built environment agenda nationally and internationally. Since the 1990s, he has directed the WHO Col-



laborating Centre for Healthy Cities and Urban Policy. Later, he initiated a major cross-disciplinary undertaking, the Institute of Sustainability, Health and Environment. In these roles, he has helped pioneer the agenda of healthy urban planning and break down institutional barriers between health and built environment agencies. Throughout his career, Professor Barton has acted as a catalyst for the incorporation of health and well-being into built environment education, research, and knowledge exchange.



relationships of social conditions to longitudinal changes in AL. Finally, Dr. Seeman is involved in the development and evaluation of interventions that promote health and provide psychosocial benefits for older adults through meaningful social engagement, while also providing important benefits to other social groups who are the targets of the older adults' activity (e.g., elementary-school children).

PANEL DISCUSSION

A Comprehensive Approach to the Social Determinants of Health: The European and the U.S. Experience



Zafar Iqbal, MBBS, MRCP, FFPHM

Professor Zafar Iqbal, as Acting Director of Public Health in Stoke-on-Trent, UK, he has contributed to the design of a programme to develop some of the best primary care services in the country aimed at reducing health inequalities. Mr. Iqbal has completed research examining the effectiveness of lifestyle interventions of high-risk patients with cardiovascular disease.



Judy Kurth, MSc

Ms. Judy Kurth, the lead for the WHO Healthy City Programme, Stoke-on-Trent, UK, which has the primary purpose of ensuring political leadership for health at a local level in order to achieve health and health equity in all policies; while developing partnerships and methods to reduce health inequality.



Gemma Hurst, MSc

Ms. Gemma Hurst, Research Officer, Health Sciences at Staffordshire University, UK, evaluating the health promotion programs using both quantitative and qualitative research methods, with interest in social and environmental determinants of health, reducing health inequalities, and understanding health effects of different environments.



Frank Franklin, MD, PhD

Dr. Frank Franklin, Professor Emeritus, UAB School of Public Health, with research investigating biochemistry of lipoproteins clinical trials in cardiovascular disease prevention and obesity treatment, spanning a wide age range and involving multiple races/ethnicities, genders, especially low socioeconomic status mother-child dyads.



Eric Jack, PhD

Dr. Eric Jack, Interim Dean, UAB School of Business, and Associate Professor, Department of Management, Information Systems and Quantitative Methods, has research interests including operations strategy with special emphasis of flexibility, quality management, and supply chain management.



Mark Wilson, MD

Dr. Mark Wilson, as CEO of the Jefferson County Department of Health, works with a mission to prevent disease, assure access to quality health care, promote a healthy lifestyle and healthy environment, and protect people against public health threats. Dr. Wilson oversees air quality control, restaurant, school, and other facility inspections.



William C. Cockerham, PhD

Dr. Cockerham is Distinguished Professor and Chair of the UAB Department of Sociology. Previously, he was Director of the UAB Center for Social Medicine. His research interests include health-related lifestyle patterns in diverse populations. His theoretical model of health lifestyle behavior has become widely used, and among his several books is *The Social Causes of Health and Disease* (Polity, 2007, 2013). He has conducted health lifestyle research in the United States, Western and Eastern Europe, and in the former states of the Soviet Union funded through various agencies, including the European Union's Copernicus Project. He is the immediate past president of the Research Committee on Health Sociology of the International Sociological Association.



The UAB MHRC is a University-Wide Interdisciplinary Research Center, approved by the Board of Trustees of the University of Alabama System. UAB MHRC is a designated Center of Excellence in Health Disparities Research by the National Institute on Minority Health and Health Disparities at NIH.
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UAB 8th ANNUAL HEALTH DISPARITIES RESEARCH SYMPOSIUM

Thursday, February 28, 2013

DoubleTree Hotel . 808 20th Street South . Birmingham, AL 35205

THE SCIENCE OF HEALTH DISPARITIES:

Where Biology, Behavior, and Socioeconomics Converge

KEYNOTE

Hugh Barton

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Teresa Seeman

PhD, Professor of Epidemiology and Medicine, University of California, Los Angeles



8th ANNUAL



HEALTH DISPARITIES RESEARCH SYMPOSIUM

Where Biology, Behavior, and Socioeconomics Converge

Thursday, February 28, 2013

Sponsored by the UAB Minority Health & Health Disparities Research Center (MHRC) and the National Institute for Minority Health and Health Disparities (NIMHD)

Event Time	Topic	Room Location
7:30 – 8:00 am	Registration and Breakfast	
8:00 – 9:00 am	POSTER SESSION	<i>Heritage II</i>
9:00 – 9:15 am	Opening Remarks and Introduction of Plenary Speakers	<i>Heritage I</i>
9:15 – 10:15 am	KEYNOTE ADDRESS AND PLENARY SESSION Shaping Neighborhoods for Health and Health Equity Hugh Barton, Emeritus Professor, University of the West of England, Bristol, UK Special Advisor to the World Health Organization (WHO) Healthy Cities European Programme	<i>Heritage I</i>
10:30 am – 12:00 pm	PANEL DISCUSSION A Comprehensive Approach to the Social Determinants of Health: The European and the U.S. Experience Moderator: Frank Franklin, MD, MPH, PhD Professor Emeritus, UAB School of Public Health, Health Behavior	<i>Heritage I</i>
	Introduction: Comparative Overview of the US and UK Health Systems Presented by: Eric Jack, PhD , Interim Dean, UAB School of Business Hugh Barton , MPhil, DipTP, MRTPI, FRSA, Emeritus Professor, University of the West of England, Bristol, UK, Special Advisor to the WHO Healthy Cities European Programme William Cockerham , PhD, Distinguished Professor and Chair, UAB Department of Sociology Gemma Hurst , MSc, Research Officer and Faculty of Health Sciences, Staffordshire University, UK Zafar Iqbal , MBBS, MRCP, FFPHM, Acting Director of Public Health, NHS Stoke-on-Trent, UK Giyeon Kim , PhD, Assistant Professor, The University of Alabama, Center for Mental Health and Aging, and Department of Psychology Judy Kurth , MSc, Principal Manager, Public Health Department, Stoke-on-Trent, UK Teresa Seeman , PhD, Professor of Epidemiology and Medicine, University of California, Los Angeles Mark Wilson , MD, Chief Executive Officer, Jefferson County Department of Health, Alabama	
12:00 pm	Lunch buffet open	<i>Heritage II</i>
12:30 – 1:30 pm	PLENARY SESSION The Application of Biomarker Data to the Study of Social Determinants of Health Teresa Seeman, PhD, Professor of Epidemiology, School of Public Health Professor of Medicine, David Geffen School of Medicine, University of California, Los Angeles	<i>Heritage I</i>

BREAKOUT SESSIONS			(all sessions meet from 1:45 to 3:25 pm)
1:45 – 3:25 pm		Biological Mechanisms of Health Disparities	<i>Heritage I</i>
Moderator: Edward E. Partridge, MD Professor, UAB School of Medicine, Obstetrics & Gynecology Director, UAB Comprehensive Cancer Center Co-Director, UAB Minority Health & Health Disparities Research Center			
	SPEAKER	TOPIC	
1	Orlando Gutierrez, MD, MSc Assistant Professor, UAB School of Medicine, Nephrology	Phosphorus Metabolism Disparities in the Modern Era: When Physiology Must Contend with Changing Diets	
2	Ambika Ashraf, MD Associate Professor, UAB School of Medicine, Pediatrics	Ethnic Disparities in Vitamin D Concentration: Is There an Optimal Level?	
3	Upender Manne, PhD Professor, UAB School of Medicine, Anatomic Pathology	Molecular Disparities and Cancer	
4	Jesus Salazar-Gonzalez, PhD Instructor, UAB School of Medicine, Infection Diseases	The TP53 Gene Retrotransposon Profiling of African American and Caucasian Colorectal Cancers	
5	Andres Forero, MD Professor, UAB School of Medicine, Hematology/Oncology	Tigatuzumab for the Treatment of Triple Negative Breast Cancer in African American and Hispanic Women	
1:45 – 3:25 pm		Epidemiology of Health Disparities	<i>Centennial I</i>
Moderator: Linda D. Moneyham, PhD, RN, FAAN Professor and Senior Associate Dean for Academic Affairs, UAB School of Nursing			
	SPEAKER	TOPIC	
1	George Howard, DrPH Professor and Chair, UAB School of Public Health, Biostatistics	Could There Be an Offsetting Impact of Insulin Resistance on Ischemic Stroke and Intracerebral Hemorrhage? The REasons for Geographic And Racial Differences in Stroke (REGARDS) Study	
2	Suzanne Judd, PhD Assistant Professor, UAB School of Public Health, Biostatistics	Dietary Patterns Are Associated with Incident Stroke in a Prospective Cohort Study of Blacks and Whites	
3	Nicole Redmond, MD, PhD, MPH Assistant Professor, UAB School of Medicine, Preventive Medicine	The Association of Psychosocial Stress with Incident CHD and all-cause Mortality in Low and High Income. The REasons for Geographic And Racial Differences in Stroke (REGARDS) Participants	
4	Krista Casazza, PhD Assistant Professor, UAB School of Health Professions, Nutrition Sciences	Big but Broken: Mechanistic Underpinnings of Increased Fracture Risk in Type 2 Diabetic African American Adolescents	
5	Russell Read, MD, PhD Professor, UAB School of Medicine, Ophthalmology	Ethnic Variations in Uveitis Epidemiology in the Southeastern United States	
1:45 – 3:25 pm		Epidemiology of Health Disparities	<i>Centennial II</i>
Moderator: Robert Weech-Maldonado, PhD, MBA Professor and L.R. Jordan Endowed Chair, UAB School of Health Professions, Health Services Administration			
	SPEAKER	TOPIC	
1	Virginia Howard, PhD Professor, UAB School of Public Health, Epidemiology	The Effect of Duration and Age at Exposure to the Stroke Belt on Incident Stroke in Adulthood	
2	Mandy Willig, PhD Assistant Professor, UAB School of Health Professions, Nutrition Sciences	Associations of Obesity, Race, and Sex with Chronic Disease Risk among Patients with HIV/AIDS	
3	Irena Stepanikova, PhD Assistant Professor, UAB College of Arts and Sciences, Sociology	Racial Disparity in Systemic Inflammation: Which Factors Contribute to the Gap?	
4	Monika Safford, MD Professor, UAB School of Medicine, Preventive Medicine	Racial Disparities in Coronary Heart Disease Mortality in the REGARDS Study	
5	George Howard, DrPH Professor and Chair, UAB School of Public Health, Biostatistics	Risk Factors for Intracerebral Hemorrhage: The REasons for Geographic And Racial Differences in Stroke (REGARDS) Study	

BREAKOUT SESSIONS			(all sessions meet from 1:45 to 3:25 pm)
1:45 – 3:25 pm		Social and Behavioral Mechanisms of Health Disparities	<i>Arlington</i>
Moderator: Richard M. Allman, MD Parrish Endowed Professor and Director, UAB School of Medicine Center for Aging and Division of Gerontology, Geriatrics, and Palliative Care Birmingham/Atlanta VA Geriatric Research, Education, & Clinical Center			
	SPEAKER	TOPIC	
1	William Cockerham, PhD Distinguished Professor and Chair, UAB College of Arts and Sciences, Sociology	The Search for the Ultimate Social Determinant of Health in African American Populations	
2	Connie White-Williams, PhD, RN, FAAN Director, Center for Nursing Excellence, UAB School of Nursing	Cardiovascular Risk Factor Knowledge Differences among Hispanics and Non-Hispanics	
3	Angela Jukkala, PhD Associate Professor, UAB School of Nursing, Community Health, Outcomes and Systems	Readiness to Engage in Treatment Decision-Making during Surgical Oncology Consultation for Early-Stage Breast Cancer	
4	Giyeon Kim, PhD Assistant Professor, The University of Alabama, School of Social & Behavioral Sciences, Psychology	Geographic Variation of Racial Disparities in Mental Health Service Use among Older Adults	
5	Richard Allman, MD Professor, UAB School of Medicine, Gerontology, Geriatrics, & Palliative Care	Racial/Ethnic Differences and Similarities in Predictors of Life-Space over 8.5 Years	
1:45 – 3:25 pm		Community-Based Approaches to Health Disparities	<i>University</i>
Moderator: Karen M. Meneses, PhD Professor and Associate Dean for Research, UAB School of Nursing			
	SPEAKER	TOPIC	
1	Cassandra Ford, PhD, RN Assistant Professor, The University of Alabama School of Nursing	Race and Gender Differences in Correlates of Systolic Blood Pressure in Community-Dwelling Older Adults	
2	Dori Pekmezi, PhD Assistant Professor, UAB School of Public Health, Health Behavior	Developing a Theory-Based Intervention to Address Physical Activity Barriers for African American Women in the Deep South	
3	Magdalena Szafarski, PhD Visiting Assistant Professor, UAB College of Arts and Sciences, Sociology	Using Concept Mapping to Mobilize a Black Faith Community to Address HIV	
4	Joshua Richman, MD, PhD Assistant Professor, UAB School of Medicine, Surgery	Volunteer Peer Support in Rural Alabama	
5	Gemma Hurst, MSc Research Officer, Staffordshire University, Faculty of Health Sciences	My Health Matters: a Community Development Approach to Health Improvement in Stoke-on-Trent, UK	
3:30 pm	Screening of <i>Village of 100</i> and Award Presentations		<i>Heritage I</i>

Scientific Planning Committee

Mona Fouad, MD, MPH • Linda Moneyham, DNS, RN, FAAN • Edward Partridge, MD • Robert Weech-Maldonado, PhD, MBA

UAB HEALTH DISPARITIES RESEARCH SYMPOSIUM

The UAB Health Disparities Research Symposium is UAB's annual forum designed to keep scientists at UAB, the University of Alabama, and other academic institutions across the Southeast, including key minority institutions, at the forefront of health disparities research. The event highlights the work of investigators in basic science and clinical, behavioral, social, and community-based research as it relates to health disparities, enabling scholars to share ideas and build important connections in the scientific community. The symposium, now in its eighth year, works hand in hand with other programs of the UAB Minority Health & Health Disparities Research Center to encourage investigators to enter the field of health disparities research. [Thank you for your participation and support.](#)