3rd ICTH
International Conference on Transport & Health
June 26 – 29, 2017

Changing Perspectives: Health Impacts of Urban & Transport Exposures

Organizers:

www.tphlink.com

CONFERECE PROGRAMME
ICTH is excited to offer delegates the opportunity to ‘Walk with Gaudi’. Tickets will be on reserve 24 June through 2 July so that you can experience the exhibit at your leisure.

Open 7 days a week
Pla de la Seu, 7 • in front of Barcelona Cathedral
www.gaudiexhibitioncenter.com
Welcome!

You are about to embark one of the most avant-garde conference experiences of your professional career. The International Conference on Transport and Health (ICTH) is based on a conceptual framework of experiential learning complemented by cross-disciplinary and multi-sector team collaboration. Unlike the traditional conference paradigm, ICTH does not have panel discussions and the sessions are not moderated. Instead, researchers, practitioners and students from different countries own and develop each accepted abstract session as a team, working together remotely, long before they meet in-person. Sessions are made up of standard oral, pecha kucha and poster presentations with several including a planned interactive activity meant to engage audience members.

ICTH 2017-Barcelona challenges the scientific status quo. The specific aim is to get you to see things differently by creating opportunities for new experiences and innovation. Catch you off guard with the unexpected. Break down cultural barriers. Allow your imagination the freedom to explore the possibilities of what could be out of what is and the courage to appreciate the art and natural rhythm in every proposal application, community project and professional interaction. We hope you have a truly unique experience and make a few lasting friendships along the way.

A special 'Thank You' to all of the people who dedicated their time and talent to making ICTH 2017 - Barcelona possible!

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<thead>
<tr>
<th>Conference Chairs</th>
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<tr>
<td><strong>Karyn M. Warsow, MS, MPH, DrPH(c)</strong></td>
<td><strong>Jennifer Kroeker-Hall</strong> – Strategic Management</td>
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<tr>
<td>Founder &amp; Executive Director</td>
<td><strong>Haneen Khreis, PhD(c)</strong> - Air Quality</td>
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<td>TPH Link/ICTH/PATH</td>
<td><strong>Kara MacLeod, DrPH</strong> - Built Environment/HIA</td>
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<tr>
<td>USA</td>
<td><strong>Jenny Mindell, MB BS, PhD</strong> - Active Travel and</td>
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<td>Public Health, Journal of Transport &amp; Health</td>
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<td><strong>Mark Nieuwenhuijsen, PhD</strong></td>
<td><strong>Catherine Perez, PhD</strong> - Road Safety &amp; Injury</td>
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<td>Research Professor, Environmental Epidemiology</td>
<td>Prevention</td>
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<td>ISGlobal - CREAL</td>
<td><strong>David Rojas-Rueda, MD, MPH, PHD</strong> - Epidemiology,</td>
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<td>Surgery, Public Health</td>
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<tr>
<td>Barcelona Biomedical Research Park</td>
<td><strong>Nina Silverstein, PhD</strong> - Older Driver Safety/Access</td>
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<tr>
<td>Spain</td>
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</table>

**Conference Committee**

- Claire Andrews - On-line abstract and programme, technical support
- Carolyn Daher, MPH - On-site coordination
- Louise DeRusseau - On-site registration
- Natalie Mueller, PhD - On-site coordination

Although we cannot thank everyone individually, for 2017, ICTH was privileged to have a great group of abstract peer-reviewers. Great job!
**ICTH Organizer**

**Transportation Public Health Link**
The Transportation Public Health Link (TPH Link) is a global company based on a systematic problem solving approach that accounts for the synergy between the social (health), political, economic and environmental elements of sustainability. The TPH Link promotes and supports the inclusion of a cross-disciplinary team of professionals in the design, planning and development of proposed and rehabilitated transportation infrastructure projects. In this way, appropriate quantitative and qualitative research, performance metrics, and strategic management methodologies can be implemented to effectively evaluate the health impact of a proposed transportation project that places people first in the decision-making process. Please take a few minutes to investigate this website for valuable resources www.tphlink.com.

**ICTH Host**

**Barcelona Institute for Global Health**
The Barcelona Institute for Global Health, ISGlobal, is an innovative alliance between academic, government, and philanthropic institutions to contribute to the efforts undertaken by the international community to address the challenges in global health. ISGlobal is a consolidated hub of excellence in research that has grown out of work first started in the world of health care by the Hospital Clínic and the Parc de Salut MAR and in the academic sphere by the University of Barcelona and Pompeu Fabra University. The pivotal mechanism of its work model is the transfer of knowledge generated by scientific research to practice, a task undertaken by the institute’s Training and Policy and Global Development departments. Its ultimate goal is to help close the gaps in health disparities between and within different regions of the world.

On June 30, 2016, the Centre for Research in Environmental Epidemiology (CREAL), a ten year-old institution of excellence in advanced epidemiological research on environmental factors that affect human health, completed its integration into ISGlobal. The merger of both centres into a larger ISGlobal with increased capacities is the result of a strategic alliance that started in 2013. As a result, the Barcelona Institute for Global Health (ISGlobal) has successfully consolidated a cutting-edge cluster of research expertise with capacity to address health challenges, including infectious diseases and non-communicable chronic diseases, with a strong focus on their environmental determinants.

**Partner**

**Skidmore, Owings & Merrill LLP**
Skidmore, Owings & Merrill LLP (SOM) is one of the largest and most influential architecture, interior design, engineering, and urban planning firms in the world. Founded in 1936, we have completed more than 10,000 projects in over 50 countries. We are renowned for our iconic buildings and our commitment to design excellence, innovation, and sustainability. Collaboration is a guiding force at SOM, as we believe that the best results stem from an ongoing dialogue with all stakeholders. With our clients as our partners, we approach each project as a unique challenge. Our integrated practice brings together experts in architecture, interiors, engineering, and urban planning to create innovative solutions. Our portfolio contains some of the most important design achievements of the 20th and 21st centuries, from cutting-edge research facilities and inspiring learning centers, to soaring towers and vibrant urban districts. We have earned nearly 2,000 awards and remain the only practice to have twice won the Architecture Firm Award from the American Institute of Architects. For more information on SOM, please visit www.som.com.
Luise Noring, PhD
Program Director, Urban Challenges
Assist. Professor, Urban Governance and Finance
European Commission, Sustainable Urbanisation
Brookings Institution, Senior Research Fellow
Copenhagen Business School
Copenhagen, Denmark

Luise Noring is an Assistant Professor at Copenhagen Business School where she leads a team of researchers and project coordinators. Luise is also a Senior Research Fellow at the Brookings Institution and an expert in sustainable urbanisation at the European Commission. In addition, she runs her own enterprise as an independent consultant. Luise has extensive experience in implementing large-scale international initiatives related to sustainable urbanization, urban infrastructure and governance, and other urban challenges. She leads the Urban Challenge Programme, an EU-funded university education initiative, Cities for People, a three-year EU-Funded Research and Innovation project, serves as an expert to the EU Commission and works with tendering both as an evaluator and successfully taking lead on tenders. Since her early career and studies, Luise has focused on partnerships, including public-private partnerships, business-to-business partnerships, and innovative partnerships. Luise has a Masters in Supply Chain Management and a doctorate (PhD) in Supply Chain Partnerships from the Copenhagen Business School. Luise has a Masters in Supply Chain Management and a doctorate (PhD) in Supply Chain Partnerships from the Copenhagen Business School.

Carlos Dora, MD, PhD
Coordinator Public Health and the Environment
World Health Organization
Geneva, Switzerland

A medical doctor and epidemiologist by training, Dr. Carlos Dora has a distinguished career in public health and environmental issues. At the World Health Organization (WHO), he is coordinator of the Unit "Interventions for Healthy Environments" which is part of the Department of Public Health and Environment. In this capacity, he has spearheaded efforts to bring together the various types of Health Impact Assessment (HIA) at the global level, in particular by organising the April 2010 conference in Geneva, which focused on HIA in Cities and HIA in Extractive Industries.

Dr. Dora works on the interface between knowledge and practice. At WHO, he previously developed a programme on the environmental health implications of transport policies, and before that he worked on environmental health problems in Eastern Europe. He has also served as a senior policy analyst at the WHO Director General’s...
office. As part of the WHO transport programme, he has led assessments of the evidence for transport and health links, has analysed economic and policy implications of not taking health into account of those policies, including how the situation may be improved by international law.

Before joining WHO, he worked in environmental epidemiology at the London School of Hygiene and Tropical Medicine, where his PhD thesis involved a retrospective cohort study on risk factors for cardiovascular disease in developing countries. Before that, he worked in internal medicine, in post-graduate medical training and in the organization of local preventive and health care services in Brazil and the United Kingdom.

**Thursday, 29 June**

**Janet Sanz**  
Deputy Mayor for Ecology, Urbanism and Mobility  
City of Barcelona  
Barcelona, Spain

Born in Tamarit de Llitera, Janet Sanz currently lives in Sant Andreu. Janet has a degree in Political Science and Administration from the University of Pompeu Fabra. Since 2011, she has been a Councilor for the Barcelona City Council, in her first terms as part of the Initiative for a Green Catalunya, and since 2015 as a Municipal Councilor for Barcelona en Comú. Within the City Council, she has worked primarily on urban planning and urban ecology. Since 2015, she serves as the Deputy Mayor and is responsible for the coordination and political leadership of the Urban Ecology and Mobility Department.
High Scoring Abstract Award Winners

**Researcher**

**Catherine Cubbin - Tied**  
(co-authors: Yeonwoo Kim and Rebecca E. Lee)  
*California Women with Young Children Use Active Transportation Most Often in Very Unsafe Neighborhoods Regardless of Socioeconomic Status*  
Award Sponsor: Transport & Health Study Group (THSG)

**Josias Zietsman - Tied**  
*Driver Exposure - Impact of Idle Reduction Technologies*  
Award Sponsor: Institute for Transportation Engineers (ITE) - Corporate

**Carla Ancona**  
*Health Impact Assessment of Air Pollution and Noise in Rome*  
Award Sponsor: UCLA Center for Occupational & Environmental Health

**Practitioner**

**Katherine Perez**  
(co-author: Elena Santamariña-Rubio)  
*Are Barcelona’s Advanced Zones for Motorcycles Effective?*  
Award Sponsor: AAA Foundation for Traffic Safety

**Michael Bennington - Tied**  
*Co-Creating Neighbourhoods for Health: An Inverted Socio-Ecological Approach*  
Award Sponsor: HNTB Corporation - Great Lakes Division

**Nicole Booker - Tied**  
*Sociodemographic, Toxicological, and Lifestyle Characteristics of Seat Belt Users in a Nationally Representative Sample of US High School Students*  
Award Sponsor: Center for Injury Research and Policy, Johns Hopkins Bloomberg School of Public Health

**Post-Doctoral/Early Career**

**Mahdieh Allahviranloo**  
*Activity-Based Approach for the Design of Sustainable Area and Cordon Pricing Schemes*  
Award Sponsor: Sam Schwartz Transportation Consultants
Evi Dons
Male Car Drivers Are 4-kg Heavier Than Cyclists: Results from a Cross-Sectional Analysis In Seven European Cities
Award Sponsor: University of Denver, National Center for Inter-Modal Transportation

Doctoral Level

Haneen Khreis
Alternative Methods for Vehicle Emission Modelling and Its Impact on Local Road Transport Emission Inventories in Bradford, UK
Award Sponsor: UCLA Center for Occupational & Environmental Health

Elizabeth Lorenzo
Is Active Transportation Associated with Cardiometabolic Health Outcomes Among Minority Women?
Award Sponsor: Journal of Transport & Health

Undergraduate/Master's Level

Tamara Nahal
Factors Contributing to Winter Cycling Among Students and Employees Attending a Downtown University Campus in Toronto, Canada
Award Sponsor: University of Denver, National Center for Inter-Modal Transportation

Gabrielle-Anne Reid
Transforming an Alley-Way: A Place for People or for Cars
Award Sponsor: Skidmore, Owings & Merrill LLP (SOM)
Tuesday – 27 June 2017

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<th>Time</th>
<th>Event</th>
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<td>7:30 – 8:30</td>
<td>Yoga on the Beach&lt;br&gt;PRBB Pavilion <em>(Meet at 7:15 a.m. with a mat or towel to walk over as a group.)</em></td>
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<td>8:30 – 17:00</td>
<td>Registration/Check-In&lt;br&gt;PRBB Pavilion</td>
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<td>9:00 – 10:00</td>
<td>Keynote: Luise Noring, PhD – Copenhagen School of Business/Brookings Institute/European Commission Auditorium</td>
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<td>10:00 - 10:30</td>
<td>Coffee/Tea Break&lt;br&gt;Auditorium Deck Overlook</td>
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<td>10:30 – 12:00</td>
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**Marie Curie**

- **Assessing the Impact of Urban Form on Active Mode Use: The Wider Impacts of Transport**
  - ID 2051 *Exploring the Influence of Sprawl on Commuting in the Seville Metropolitan Area (Spain).* **M. Garrido-Cumbra**ra, O. Braçe, D. Gálvez Ruiz, E. López Lara, and P. Diaz Cuevas
  - ID 1763 *Changes over Time in Population Level Transport Satisfaction and Mode of Travel: A Repeat Cross-Sectional Study over a 13 Year Period, United Kingdom.* **J. Olsen**, L. MacDonald, and A. Ellaway
  - ID 1952 *How Does Usual Commuting Mode of Transport Affect Perceptions of Accessibility to Work and Study?* C. Standen and **S. Greaves**
  - ID 1739 *A Shift from Motorised Travel to Walking, Cycling and Public Transport: What Are the Potential Health Gains for an Australian City?* **B. Zapata-Diomed**i and J. L. Veerman

**Ramon y Cajal**

- **Cities for people or cities for cars?**
  - ID 1846 *Parking: The Key to Re-Establishing the Commons?* **Z. Leve**
  - ID 1928 *Transforming an Alley-Way: A Place for People or for Cars?* **G. A. Reid**, N. Delucinge, O. Waygood, and J. Brochu
  - ID 1997 *Parking Retrofits within Historic City Centers and the Potential Effects on Their Walkability: A Comparison of San Luis Obispo and Davis, California.* **B. Bass**

**Charles Darwin**

- **Green Light for Urban Health**
  - ID 2096 *Urban Natural Environments As Nature Based Solutions for Improved Public Health – a Systematic Review of Reviews.* **M. van den Bosch** and A. ode Sang
Older Adults’ Mobility and Active Transport
ID 1837 The Neighbourhood Physical Environment and Active Travel in Older Adults: A Systematic Review and Meta-Analysis. E. Cerin, A. Nathan, J. Van Cauwenberg, D. Barnett, and A. Barnett

ID 2072 Mobility Transitions: Planning for Post-Driving. J. Kroeker-Hall

ID 2168 Older Migrants Use of Public Transport: A Systematic Review and Thematic Synthesis. C. Moutou and M. McGrath

ID 2033 Activity Space, Mobility, and Physical Performance of Older Adults. B. Kang and J. Choi

12:00 – 13:30
Hot Topic Workshop
Ramon y Cajal

Gunnar Hand & Daniel Ringelstein
Skidmore, Owings & Merrill’s (SOM)

ID 2230 Regenerative Cities Initiative

Regen Cities research initiative is currently in the discovery phase of defining what it means to be a “regenerative city”. Moving beyond sustainability, Regen Cities seeks to transform our understanding of the built environment, specifically urban centers, from a linear construct to one that is circular. Regen Cities is identifying, targeting and developing catalytic projects that create positive feedback loops in order to make communities eternally more equitable, efficient and livable. Following a brief presentation to frame the regenerative cities concept, participants will break out into groups of 5-10. These diverse working groups will be given one of 10 City Design Principles (Livability, Economy, Ecology, Food, Mobility, Waste, Water, Resiliency, Energy and Heritage) to develop a topical pilot project. The focus of the working groups will be both to share and develop new ideas and identify metrics that can be measured to determine success.

12:15 – 13:15
Accepted Abstract Pecha Kucha Session

Healthy Places – Policies and Priorities


ID 2054 The Effects of Urban Sprawl on Mental Health: A Study of a Municipality in the Seville Metropolitan Area (Spain). M. Garrido-Cumbre, D. Gálvez Ruiz, J. Chacón García, O. Braçe, P. Diaz Cuevas, and E. López Lara

ID 1782 Healthy Urban Environments for Children and Young People: A Systematic Review of Intervention Studies. S. Audrey and H. Batista

ID 1885 Smarter Choices, Smarter Places: Delivering Targeted Local Interventions to Influence Active and Sustainable Transport Choices. A. Partridge

ID 1862 Health Impacts of Urban Transport Policy Measures Sourced from Konsult. H. Khreis, A. May, and M. Nieuwenhuijsen

Active Transport: Measurement, Benefits, Determinants and Promotion


ID 2194 Exposure to Traffic Related Air Pollution, Physical Activity and Blood Pressure: A Crossover Study Performed in Real World Conditions. G. Carrasco-Turigas, D. Martínez, J. de Bont, T. Martinez-Iñiguez, N.
Charles Darwin

Kubesch, T. Cole-Hunter, and M. Nieuwenhuijsen

ID 1979 Active Commuting through Natural Outdoor Environments and Mental Health. W. Zijlema, I. Avila-Palencia, and M. Nieuwenhuijsen


ID 1893 Outdoor Gyms in Santiago (Chile): Urban Distribution and Effects on Physical Activity and Mobility Patterns of Inhabitants. R. Mora, G. Weisstaub, M. Greene, and G. Herrmann

ID 2014 Which Are the Main Parental Barriers to Active Commuting to School in Ecuador? F. J. Huertas-Delgado, P. Chillon, Y. Barranco-Ruiz, M. Herrador-Colmenero, F. Rodríguez-Rodríguez, and E. Villa-González


13:15 – 14:30
Network Lunch & Walk Along the Beach
Auditorium Deck Overlook

14:30 – 15:30
Accepted Abstract Poster Session & Judging
PRBB Pavilion

Getting the Word Out: Exploring and Disseminating the Effects of Traffic-Related Air Pollution


Children’s Travel and Health: Associations, Valuation, and Implementation

ID 2003 Transport and Child Well-Being: Case Study of Quebec City. O. Waygood and A. Cervesato

ID 1858 Health Impact Assessment of Walking to School in Barcelona Spain. D. Rojas-Rueda, M. Nieuwenhuijsen, and M. Vrijheid

ID 2159 Active School Travel the Associations Between Perceptions of Road Safety and Active Travel for School Children and Their Parents - a Health Needs Assessment. R. Howard

ID 1938 The Relationship Between Transitions in Children’s Travel Behaviour and Mental and Physical Health in Japan. A. Taniguchi and X. Xin

Transportation Projects From the Perspective of Their Health Impacts

ID 2180 Using Central Human Capabilities in transport for measuring physical integrity and emotional response to travel. The case of Santiago de Chile. B. Mella Lira


15:00 – 17:00
Hot Topic Workshop
Aula – 4th Floor

Salvador Rueda
Director of the Urban Ecology Agency of Barcelona

ID 2234 The Transformation of Mobility and Public Space Based on Superblocks.

The new Sustainable Urban Mobility Plan of Barcelona is based on Superblocks and will release 70% of public space devoted to mobility (6,200,000 m²) for other uses and citizen rights. This release of public space will be achieved with a reduction of only the 13% of circulating vehicles. With that decrease in roadways in the superblock area, the level of service remains similar to the current traffic. The proposal is a new challenge for the urban designer who must plan new public spaces by thinking in terms of citizens, not pedestrians. Citizens are defined in terms of exercising the right to leisure, culture, exchange, democracy and displacement. Pedestrians possess all of the above characteristics except displacement as they are considered as a mode of transport. Superblocks can be the basis for the new model of mobility, and public space; in essence, the new ecosystemic urbanism.

15:30 – 17:00
Accepted Abstract Oral Session
Outcomes

ID 1931 Leisure-Time Physical Activity and Risk of Cancer, CVD, Dementia and All-Cause Mortality in Adults: A Dose-Response Meta-Analysis of Prospective Studies. J. Woodcock, S. Brage, A. Abbas, T. Herick de Sa, and E. Mc Namara


ID 2093 What Association Do Inequalities in Travel Time to Healthcare Have on Health Status? A Case Study of West Yorkshire Hip and Knee Replacement Patients. C. Kelly, C. Hulme, G. Clarke, and T. Farragher

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Physical Activity Through Sustainable Transport Approaches (PASTA): A Four Course Meal Across Travel and Health Research


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Health-Oriented Transport and Urban Planning

ID 2062 Basics for a Health-Oriented Design and Use of Transport Systems - Analysing Travelers’ Exposure and Behaviour. M. Lüke


This session is moderated by Jennifer Kroeker-Hall, President/CEO Sirius Strategic Solutions

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19:00 - 23:00
Welcome Reception at the Chiringuito Buda Beach with Live Music, Food, and New Friends
PRBB Pavilion (Starting at 18:45 to 19:30, groups will leave every 15 minutes.)

Wednesday – 28 June 2017

8:30 – 17:00
Registration Check-In
PRBB Pavilion

9:00 – 10:00
Keynote: Carlos Dora, PhD – World Health Organization Auditorium

10:00 – 10:30
Coffee/Tea Break
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| Marie Curie | Tools and Policy Approaches to Support the Promotion of Cycling and Walking  
ID 1963 Internationally Scalable and Publicly Accessible Tools for Prioritising Investment in Active Travel. **R. Lovelace**, V. Hernández-Herrador, J. Herrera-Sánchez, and M. Calvo-Salazar  
ID 1977 Developing New Method to Estimate Active Mode (walking, cycling) Related Health Benefits for Department for Transport (DfT) Transport Analysis Guidance. **M. Tainio**, A. Goodman, and J. Woodcock  
ID 1927 Developing a Score to Assess the Policy Environment for Cycling and Walking Promotion in Cities – Results of a Feasibility Study. **S. Kahlmeier**, E. A. Boig, E. Smeds, and A. de Nazelle |
| Ramon y Cajal | Lure of the New: How to Make New Transport Technologies Better for Our Health  
ID 1993 *New Types of Electric Pedal-Assisted Cycles (EPACs) As a Form of Active Mobility: Consequences for Traffic Safety and Sustainable Mobility*. **A. Clark**  
ID 1706 *Autonomous Vehicles: Good or Bad for our Health?* **S. Schwartz** and K. Lee  
ID 2202 *The Power and Importance of Awe in Transport and Health*. **R. Deverman** |
| Charles Darwin | How do green space and other community environmental factors impact health and equity?  
ID 2044 *Does the Potential Benefit of Neighbourhood Green Space for Body Mass Index Depend upon Socioeconomic Circumstances and Local Built and Transport Environments? A Test of the ‘Equigenesis’ Hypothesis in Australia*. **T. Astell-Burt** and X. Feng  
ID 2221 *Integration of Parks and Trails as Alternative Transportation and Preventive Health Factors*. **T. Penbrooke** |
| Polivalent | How the Urban Environment Affects Mobility Among Disadvantaged People: Empirical Evidence and Techniques  
ID 2064 *Disparities in Older Adults’ Outdoor Walking Levels and Neighbourhood Green Spaces Characteristics*. **R. Zandieh**, J. Martinez, J. Flacke, and M. van Maarseveen  
ID 1985 *A Methodology on Quantifying Spatial-Temporal Disparities in Travel Behavior of Mobility-Impaired Travelers with Non-Disabled Travelers: Case Studies of London and New York*. **M. Allahviranloo** and E. Le Priol |
Good population health is essential for thriving, resilient, urban cities, and it has become increasingly clear that transport planning and design can contribute. But amidst the flurry to understand and integrate health promotion into transport projects, one key question is often missing: What about mental health? During this interactive workshop, Dr. McCay will discuss what is meant by mental health and illness and the evidence-based urban design principles for mental health promotion. Participants will apply these principles to opportunities in transport, and contribute to cutting-edge thinking at the nexus of transport, design and mental health.

### Accepted Abstract Pecha Kucha Session

**Belts, Naps, and Safety Hacks**

- ID 2037 *Effects of ADHD on Driving Behaviour and Attention.* B. Thorslund and B. Lidestam
- ID 2165 *Software Application Development for Data Spatial Analysis on Network Spaces.* F. E. Moreno Corzo, W. Briceño Pineda, and R. G. Ortiz Martínez
- ID 2105 *Sociodemographic, Toxicological, and Lifestyle Characteristics of Seat Belt Users in a Nationally Representative Sample of US High School Students: Results from the 2015 Youth Risk Behavior Survey.* N. Booker and J. Sung
- ID 2106 *Seat Belt Messaging for Diverse Populations.* N. Booker

**Bikes, Safety, and Health; Oh My!**

- ID 2138 *How to Improve the Interaction Between Cyclists and Truck Drivers.* B. Thorslund and K. Kircher
- ID 2002 *Helmet Wars - or Can We Stop Banging Our Heads into the Wall and Have a Healthy Dialog about Bicycle Helmets?* Z. Leve

**Multi-Scalar Approaches to Examining Public Health and Transport**

- ID 1863 *Creating Car Free Cities: Rational, Requirements, Facilitators and Barriers.* H. Khreis, M. Nieuwenhuijsen, and J. Bastiaanssen
- ID 2101 *Effects of the Open Street Program in Santiago Chile: Evidence from Five Initiatives.* M. Greene, R. Mora, and M. Corado
- ID 1884 *Health Impacts and Assessment from BRT and Complete Streets: Mexico City’s Line 5 Metrobus Corridor.* B. Welle
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<th>Time</th>
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<td>14:30 – 15:30</td>
<td>Accepted Abstract Poster Session &amp; Judging, PRBB Pavilion</td>
<td>Is it Safe to Cross? Impacts of Social, Environmental, and Demographic Factors on Pedestrian Safety</td>
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<td>ID 1866 Are Neighbourhood Walkability and Greenness Associated with Increased Physical Activity and Better Self-Rated Health? Findings from the Beyond Health Survey of Adults in Ottawa, Canada. <strong>P. Villeneuve</strong>, A. Root, N. Kumar, S. Ambrose, J. DiMuzio, D. Rainham, and R. Ysseldyk</td>
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<td>ID 2118 Impacts of the Physical and Social Environment on Walking Behavior of Older Adults in Hong Kong. <strong>K. M. Leung</strong> and P. K. Chung</td>
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<td>ID 2081 Knowledge and Attitudes Regarding Pedestrian Safety Among Drivers and Pedestrians on a Large Urban Campus: Implications for Promoting Safe Walking. <strong>K. Pollack</strong></td>
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<td>ID 1975 Health Impact Assessment of Riverside Regeneration in Active Travel. <strong>C. Vert</strong>, D. Rojas-Rueda, M. Gascon, and M. Nieuwenhuijsen</td>
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<td>Emergency Medical Services Responses and Multimodal Transportation</td>
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<td>ID 1781 Epidemiology of EMS Responses to Traffic Crashes in the United States for 2014. <strong>N. Ortiz</strong>, <strong>M. Ramnarayan</strong>, and J. Kinsman</td>
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<td>ID 1913 Contributions of Transports Engineering to the Organization and Functioning of the Mobile Emergency Service/ Brazil. <strong>A. Modesto de Sousa</strong></td>
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<td>ID 1826 Examining Multimodal Transportation in El Paso Region: Results of the Regional Transportation Survey. <strong>I. Sener</strong>, R. Lee, C. Simek, A. Sánchez, and R. Aldrete</td>
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<td>Road Transport and Health: From Mobility Management to Health Impacts</td>
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<td>ID 2042 Perceived Public Transport Infrastructure Modifies the Association Between Public Transport Use and Mental Health: Multilevel Analyses from the United Kingdom. <strong>X. Feng</strong>, T. Astell-Burt, and Z. Feng</td>
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<td>ID 2210 Traffic Related Air Pollution and Transplant Failure. <strong>L. Pierotti</strong>, D. Collet, S. Schofield, D. Fecht, K. K. De Hoogh, and P. Cullinan</td>
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<td>ID 1896 Mobility Management for Health Promotion in Cooperation with Local Government Urban Transport Planning and Public Health Departments. H. Sasaki, S. Fujimoto, <strong>A. Taniguchi</strong>, and S. Nakahara</td>
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<td>Fresnel or Fractured: The Normative Design Lens is Broken?</td>
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<td>ID 1895 There Is Low-Hanging Fruit up There: Urban Accessibility of Street Markets in Santiago, Chile. <strong>R. Mora</strong> and G. Weissstaub</td>
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<td>ID 2212 Sensory Reception and Other Factors Affecting the Atmosphere and Security of Public Spaces. E. K. Beck, I. M. Stąpór, E. A. Rykała, and <strong>M. Żołnierczuk</strong></td>
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<td>ID 2169 Silver, Goldilocks and Platinum – Finding the Sweet-Spot for Health and Housing. <strong>N. Loder</strong></td>
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<td>ID 2213 Hortitherapy as a Method of Treating Civilizational Diseases. <strong>I. M. Stąpór</strong> and E. K. Beck</td>
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<td>ID 2214 Spatial Patterns at Designing of the Safe Urban Interior Based on Historical City Squares in Poland and Hungary. <strong>M. Žołnierczuk</strong></td>
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</table>
## 15:30 – 17:00
**Accepted Abstract Oral Sessions**

### Marie Curie

**Catch My Breath: Assessment of Traffic-Related Emissions, Air pollution and Exposures**
- ID 2192 *Modelling Impacts of Mobility on Urban Air Quality and Health: Scenario Analysis for the Barcelona Metropolitan Area (Metropolitan Mobility Plan).* **E. Domene**, R. Lopez, B. Fauro, D. Rojas-Rueda, C. Conill, G. Alsina, M. Iglesias, M. Perez, and J. Marull
- ID 1999 *Driver Exposure - Impact of Idle Reduction Technologies.* **J. Zietsman**
- ID 2075 *Alternative Methods for Vehicle Emission Modelling and Its Impact on Local Road Transport Emission Inventories in Bradford, United Kingdom.* **H. Khreis** and **J. Tate**

### Ramon y Cajal

**Active Transportation, Health and the Impacts of Place**
- ID 2095 *Co-Creating Neighbourhoods for Health: An Inverted Socio-Ecological Approach.* **M. Bennington**
- ID 1804 *California Women with Young Children Use Active Transportation Most Often in Very Unsafe Neighborhoods Regardless of SES.* **C. Cubbin**, Y. Kim, and **R. E. Lee**

*This session is moderated by Layla McCay, Director, Center for Urban Design & Mental Health*

### Charles Darwin

**What does transport and the built environment have to do with children’s health and well-being?**
- ID 2094 *Social Conditions Affect Childhood Obesity More Than the Built Environment.* **M. Jerrett**
- ID 1948 *Challenges in Planning for Active and Sustainable School Transportation- Perspectives from Greater Toronto and Hamilton Area, Canada.* **C. Flanagan** and **R. Mitra**
- ID 2015 *Personal Exposure to Ultrafine Particles According to Different Environments and Modes of Transport in Schoolchildren: Results from a Spanish Cohort in Valencia.* **A. Ferrero**, M. Estarlich, A. Cases, D. Lozano, S. Gimeno, A. Esplugues, C. Iñiguez, and **F. Ballester**

### Polivalent

**Emergency Vehicle Operations: Ensuring Effective and Safe Transport**

## 19:00 – 21:00
**PRBB Pavilion (Meet at 18:45)**

### Bicycling Tour
Maritim bike tour (1.5 hrs), starting in front of the conference venue, you will have the experience of cycling through the Barcelona seafront, discovering an old fisherman neighborhood (Poblenou) and visiting Barcelona’s new urban public space the "superblock." The bike tour will be guided by BICICLOT.

### Walking Tour
Historic walking tour (1.5 hrs), starting at the conference venue, you will walk through old town neighborhoods (Born and Ciutat Vella) and learn the history of Barcelona while wandering through a maze of streets and uncover urban gems. The walking tour will be guided by DiscoverWalks Barcelona.

### 21:00 Dinner at the Harbor
### Thursday – 29 June 2017

**7:30 – 8:30**  
Yoga on the Beach  
PRBB Pavilion *(Meet at 7:15 with a mat or towel to walk over as a group.)*

**8:30 – 17:00**  
Registration Check-In  
PRBB Pavilion

**9:00 – 10:00**  
Keynote: Janet Sanz – Deputy Mayor, City of Barcelona  
Auditorium

**10:00 – 10:30**  
Coffee/Tea Break  
Auditorium Deck Overlook

**10:30 – 12:00**  
Accepted Abstract Oral Sessions

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<thead>
<tr>
<th>Time</th>
<th>Presentation Title</th>
<th>Authors</th>
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<tbody>
<tr>
<td>10:30</td>
<td>How do we get the population cycling? Strategies and Approaches to Improve the Uptake of Cycling in the Population</td>
<td>Marie Curie</td>
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<td>ID 2074 Active Travel in a Local Urban Environment: Strategies Supporting Safe and Equitable Bicycling. <strong>K. Pollack</strong></td>
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<td>ID 2065 Factors Contributing to Winter Cycling Among Students and Employees Attending a Downtown University Campus in Toronto, Canada. <strong>T. Nahal</strong> and R. Mitra</td>
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<td>10:30</td>
<td>Mixed Issues of Transport Impacts on Health</td>
<td>Ramon y Cajal</td>
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<td>ID 2068 Are Barcelona's Advanced Zones for Motorcycles Effective? <strong>K. Pérez</strong> and E. Santamariña-Rubio</td>
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<td>10:30</td>
<td>Going the Distance: Stories of Sustainable Physical Activity and Active Travel</td>
<td>Charles Darwin</td>
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<td>ID 2162 Shared Use Routes for People Who Walk or Cycle: Addressing the Challenges. <strong>S. Audrey</strong>, U. Leonards, and D. Damen</td>
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<td>ID 1929 Does an Increase in Walking and Cycling Translate into a Higher Overall Physical Activity Level? <strong>M.</strong></td>
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<td>Does the Built Environment Explain Gender Gap in Cycling? A Study of Post-Secondary Students in Toronto, Canada.</td>
<td>R. Mitra and S. Nash</td>
<td>ID 1953</td>
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<td>The Contribution and Interactive Effects of Psychological, Social and Environmental Correlates on Active Travel in Hong Kong Adolescents.</td>
<td>A. Barnett, C. Zhang, K. Leung, R. Mellecker, C. Sit, and E. Cerin</td>
<td>ID 1891</td>
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**12:15 – 13:45**

**Accepted Abstract Oral Session**

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<tr>
<th>Conference Title</th>
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<th>Abstract</th>
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<tbody>
<tr>
<td>Encouraging Physical Activity and Active Transport in Communities</td>
<td>Marie Curie</td>
<td>ID 1966</td>
<td>Creating an Active Living Community in Catalonia through a Participatory and Empowerment Model.</td>
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<td>J. Bort-Roig, A. Juncà, and A. Puig-Ribera</td>
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<td>A New Zealand Quasi-Experimental Study of Investment in Walking and Cycling Infrastructure and Encouragement Programmes.</td>
<td>M. Keall</td>
<td>ID 1827</td>
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**Ramon y Cajal**

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<th>Conference Title</th>
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<tr>
<td>Novel Registries and Approaches to Track and Prevent Motor Vehicle Fatalities</td>
<td>Ramon y Cajal</td>
<td>ID 1833</td>
<td>Public Transportation Availability and Alcohol Impaired Driving Among Young Adults Pub Patrons in Israel.</td>
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<td>S. Bord, A. Gesser-Edelsburg, and O. Baron-Epel</td>
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<td>Establishing an Integrated Road Traffic Casualty Registry in West Bank, Palestine.</td>
<td>R. Salman</td>
<td>ID 2077</td>
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<tr>
<td>Sociodemographic, Alcohol Use, and Other Toxicological Characteristics of Motor Vehicle Suicides in 16 States: Results from the National Violent Death Reporting System (NVDRS), 2005 to 2011.</td>
<td>J. Sung</td>
<td>ID 2104</td>
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**Charles Darwin**

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<tr>
<td>Globetrotting: International Perspectives on Transport, Travel and Health</td>
<td>Charles Darwin</td>
<td>ID 1850</td>
<td>Health Impacts of the M74 Urban Motorway Extension: A Natural Experimental Study.</td>
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<td>Associations Between Daily Walking and Subclinical Health Markers in a Swiss City.</td>
<td>D. Christie, I. Guessous, E. Ravalet, and V. Kaufmann</td>
<td>ID 1694</td>
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<td>Quality of Life Impacts Related to the Time to Access Drinking Water in Malawi.</td>
<td>A. Cassivi, O. Waygood, and C. C. Dorea</td>
<td>ID 1869</td>
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**13:45 – 15:15**

**Auditorium Deck Outlook**

**Awards Luncheon**

As an ICTH Tradition, this luncheon is an opportunity to recognize the high scoring abstracts and best poster awards. Also featured will be the 2017 award recipient of the Deb Hubsmith Scholarship, Brompton Bicycle Raffle and announcement of ICTH 2018 location and venue.

**15:30 – 17:30**

**Marie Curie**

**International Professional Association for Transport & Health(IPATH) Annual Meeting**

Join us for the first International Professional Association for Transport & Health (IPATH) annual meeting! This meeting will be followed by a strategy meeting intended to coordinate a book proposal on transport and health to be
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<th>Mission</th>
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<tr>
<td>The International Professional Association for Transport &amp; Health (IPATH) is a platform for cross-disciplinary and multi-sector professionals working at the intersection of transport and health. The aim of PATH is to share information, exchange ideas, and foster collaboration to improve health, quality of life and well-being in communities by advocating for the integration of health in the urban and transport agendas.</td>
<td>1. To create an accepted professional discipline of transport and health</td>
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<td>2. To support and encourage research and best practices aimed at integrating health into the transport and urban planning and strategic decision-making processes</td>
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<td>3. To build a cohesive community of cross-disciplinary and multi-sector professionals</td>
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To find out how to become a member, visit [http://www.tphlink.com/ipath.html](http://www.tphlink.com/ipath.html)

*Thank you for investing your time and resources in being a part of ICTH 2017 – Barcelona! We hope that you join us for ICTH 2018 on historic Mackinac Island located in beautiful Northern Michigan -USA.*
Dear International Conference on Transport & Health Attendees;

Greetings from historic Mackinac Island, where my team and I look forward to hosting ICTH at Mission Point in 2018, June 24 – 27. It is our privilege to serve you. We wish you the best for a successful conference in Barcelona and look forward to meeting you next year.

Mackinac Island is a truly special place. It is unique, a place where natural beauty and living history coexist harmoniously, and where a way of life is embraced and celebrated that is in many parts of the world forgotten. A lush, green island sitting astride the deep blue waters of Lake Huron, where they flow through the Straits of Mackinac to join Lake Michigan. Mackinac is home to a community that lives a sustainable lifestyle. The only transport around the island is by foot, bicycle or horse; either horse-drawn or in the saddle. Here, cars are prohibited by law. This allows us to preserve the historic narrow roads and lanes, preserve and protect the ancient trades associated with the horse culture, and also contributes to the clean air and safe streets not only enjoyed by the residents, but the tens of thousands of visitors who come to the island each year. It is a place where life is slower, is simpler, where you can disengage from the pressures and distractions of the mainland and engage fully and more satisfyingly with friends and family. It is our hope, that as an ICTH attendee, this place will allow you to have a rich and meaningful 2018 conference experience.

Mission Point Resort is more than a destination, it is an experience, an experience of the true pleasures in genuine hospitality, simple comfort, delicious food, in a setting of relaxed elegance and unparalleled beauty. Spread across 18 acres of lakefront, lush lawns and gardens, Mission Point Resort offers a wide range of amenities and on-site activities in addition to its guestrooms and conference facilities. There are five restaurants, offering everything from casual to fine dining, from an al fresco cocktail bar to an intimate wine cafe. Upscale shopping is available in the onsite Boutique, and a host of recreational options include bicycle rentals, tennis, croquet, a swimming pool, lakefront lawn yoga, and real-grass miniature golf overlooking the Straits of Mackinac. For the golfer, Mission Point guests have access to historic Wawashkamo Golf Club, a private club where golf is played today on the perfectly preserved 1898 links style course, just a relaxing carriage ride away. For relaxation and rejuvenation, for a variety of skin, body, hair and nail treatments, the Lakeside Spa & Salon offers a luxurious oasis of calm and comfort.

We are excited to share our passion of Mackinac Island and Mission Point Resort with you. We are counting the days until your arrival.

Sincerely,

W. Bradley McCallum
Vice President and Managing Director
906-847-3002
Skidmore, Owings & Merrill LLP (SOM) is one of the leading architecture, interior design, engineering, and urban planning firms in the world. Since its founding more than 80 years ago, SOM has earned a reputation for design excellence with a portfolio that includes some of the most important architectural accomplishments of the 20th and 21st centuries, and has been a leader in the research and development of specialized technologies, new processes and innovative ideas, many of which have had a palpable and lasting impact on the design profession and the physical environment. The firm's longstanding leadership in design and building technology has been honored with nearly 2,000 awards for quality, innovation, and management. The American Institute of Architects has recognized SOM twice with its highest honor, the Architecture Firm Award—in 1962 and again in 1996. The firm maintains offices in New York, Chicago, San Francisco, Los Angeles, Washington, D.C., London, Hong Kong, Shanghai, Dubai, and Mumbai.