

PROGRAM



**ISEE-Europe's
3rd Early
Career Researchers
Conference
on
Environmental Epidemiology**

19-20 March 2018

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Welcome by the Organizers of the Conference

The Organizing Committee of the Institute of Epidemiology of the Helmholtz Zentrum München welcomes you to the Early Career Researchers Conference on Environmental Epidemiology. We have chosen our motto to be "Together for a Healthy Environment". In a world that seems to be falling more and more apart, the "together" across borders and nations becomes ever more relevant as only if we work together we can contribute to a better and healthier environment for everyone.

Following the very successful conferences in Utrecht in 2015 and Barcelona in 2014 we would like to establish this conference among the next generation of environmental researchers. It is aimed at early career researchers, at the PhD, PostDoc and assistant professor level to promote scientific communication and discussion in environmental epidemiology, to foster collaborations, and to exchange experiences and new ideas in the field of environmental epidemiology.

We hope that you will enjoy our compilation of plenary sessions, invited keynotes, oral presentations, and poster sessions as well as our panel discussion on communicating science. So....let's get started!!!

Alexandra Schneider, Regina Pickford and Kathrin Wolf



Welcome by the Chairs of the Scientific Committee

On behalf of the Scientific Committee, we are very pleased to welcome you all at the 3rd Early Career Researchers Conference of the International Society for Environmental Epidemiology (ISEE) in Freising (Germany).

It has been a challenge, a real pleasure and an honor to shape an exceptional program for these days, during which researchers of all stages of their career from all over the world, including internationally renowned experts, will present their research and discuss results. We invite you to take the opportunity that is a relatively small conference to interact with your peers and increase your networks.

We hope that the program will stimulate an enthusiastic and motivated discussion, as well as learning and exchange of experiences among researchers from different backgrounds.

Bénédicte Jacquemin and Massimo Stafoggia



Welcome by the ISEE President and ISEE Past President

This is the third ISEE Early Career Researchers Conference on Environmental Epidemiology (also known as ISEE Young), following the ones in Barcelona and Utrecht, and it is great!

This initiative by the SNRN of ISEE and ISEE-Europe is helping create a forum for the professionalization of early career researchers in environmental epidemiology and enhance participation of young researchers in ISEE. We need this. Participation to this conference is high and what is more important, the quality of the research work presented is excellent.

Environmental health is a global issue. Actions on environmental health research, education and policy should, however, combine local with global. This is what we are doing in ISEE and these type of Conferences are key in promoting new knowledge and influencing policy on environmental health both in Europe and globally.

We would like to thank Dr. Alexandra Schneider from the Helmholtz Zentrum in Munich for Chairing the Conference Committee, and Drs. Bénédicte Jacquemin and Massimo Stafoggia the Conference Chairs. We also thank the local organizers, the Scientific Committee of the conference and all the SNRN and other ISEE members who participated in setting-up this conference. The program of the conference is fantastic and we are sure that young (and older) researchers will enjoy and profit from this meeting broadening our understanding of key issues in environmental health, meeting new colleagues and making new connections, and sharing share time with old friends.



Manolis Kogevinas
Past President ISEE



Beate Ritz
President ISEE

Welcome by the ISEE Europe Chapter Chairs

With two excellent conferences in Barcelona and Utrecht under our belt, we are delighted to welcome everyone to the third ISEE Europe Young and Early Career Researchers Conference here in Freising! We have been most impressed by both the quantity and quality of the abstract submissions and research that you will all present. This will certainly make for another exciting and stimulating scientific exchange.



We believe that holding this ISEE Young conference regularly ensures the continuation of the important process of getting together, exchanging innovative ideas, enhancing active participation in ISEE and, last but not least, meeting and staying in touch with old and new friends and colleagues from all over Europe. We hope that this conference offers a forum for you to continue on this road of collaboration and scientific excellence and thereby strengthen Environmental Health in Europe, which is as important as ever. We also hope that it will be a great educational experience for you and that you will take home many new ideas and plans for your future work.



Finally, we hope this conference sparks your interest in the important activities of ISEE, and in particular our European Chapter. We strongly encourage you to become ISEE members and join our vibrant academic community, if you are not already a member. We also regularly welcome new volunteers to make a contribution to our committees working on environmental health research, policy, training and communication of environmental health issues across Europe. It is a great way to connect with colleagues in our scientific community, both young and young at heart, to work toward our common goal of promoting a healthy environment to sustain and improve public health in Europe.

Mireille Toledano and Danielle Vienneau

Chair and Vice-Chair of the ISEE Europe Chapter

Welcome by the Mayor of Freising

With the topic "Together for a healthy environment", we are looking forward to welcome a large number of young scientists in Freising who are involved in an environmental epidemiological conference on health and environment. Weather influences, radiation, air pollutants and other influences are quite problematic points that we have to deal with already now and increasingly in the future.

I welcome our guests as Mayor of a young city and a science location, which is proud of its close cooperation with the university facilities of Weihenstephan and its life sciences as well as the Helmholtz Zentrum München. I invite you to take a closer look at the long history of our city, in which the university of the Prince Bishop was founded in 1697. I wish all the best for the forward-looking conference ahead of you and we wish all participants a pleasant stay in our city.

Be curious about Freising - it's worth it!



Tobias Eschenbacher

Committees

Organizing Committee

- **Alexandra Schneider**, Helmholtz Zentrum München, Germany

Dr. Alexandra Schneider holds both a diploma degree in Meteorology and a master degree of Public Health from the Ludwig-Maximilians-University of Munich. In 2004, she finished her PhD in Human Biology under the supervision of Prof. Angela Schuh at the Ludwig-Maximilians-University of Munich.

Thereafter, she worked as a Postdoctoral Fellow in the Institute of Epidemiology, Helmholtz Zentrum München, lead by Prof. Wichmann in the Research Group “Epidemiology of Air Pollution Effects” of Prof. Annette Peters. Since 2010 she is head of the Research Unit “Environmental Risks” within the Institute of Epidemiology (lead by Prof. Annette Peters) of the Helmholtz Zentrum München.



Dr. Alexandra Schneider’s research interests in epidemiology split into two different fields. The first touches upon the influence of weather and climate changes on human health, while the second is in the field of particulate and gaseous air pollution and its influence on the human organism with a focus on cardiovascular diseases.

- Regina Hampel, Helmholtz Zentrum München, Germany
- Herbert Heilmaier, Helmholtz Zentrum München, Germany
- Regina Pickford, Helmholtz Zentrum München, Germany
- Kathrin Wolf, Helmholtz Zentrum München, Germany

Committees

Scientific Committee

Co-chairs:

- Benedicte Jacquemin, ISGlobal & INSERM, France

Dr. Bénédicte Jacquemin is an environmental epidemiologist. She has a degree in Medicine from the National Autonomous University of Mexico (2000), a Master in Environmental Sciences from the Autonomous University of Barcelona (2005) and a PhD in Life and Health Sciences from the University Pompeu Fabra of Barcelona (2007). During her PhD she made stays in several European countries like Finland, Sweden and England.



She did a postdoc at the Institut national de la santé et de la recherche médicale (INSERM) in France. In October 2009 she obtained a researcher position in the same institution. Since September 2011 she is located in the Center of Research in Environmental Epidemiology (CREAL) -now ISGlobal Campus Mar- in Barcelona.

Her work is focused on the health effect of air pollution exposure on health. She currently works in the study of the effects of air pollution on asthma and its associated features, and leads the research on this topic in the Unit 1168 (VIMA: Aging and chronic diseases. Epidemiological and public health approaches) at INSERM. She has recently also been interested in the effects of air pollution on reproductive health and more specifically on fertility / infertility.

- Massimo Stafoggia, Dep. Epidemiology Lazio Region, Italy

Massimo Stafoggia graduated in Statistical Sciences on 2001 and took a Master of Science degree in Biostatistics at the Harvard School of Public Health (HSPH), Cambridge, USA. He is currently involved in a PhD program at the Karolinska Institutet of Stockholm, Sweden. He has been working as a biostatistician at the Department of Epidemiology, Lazio Region Health Service, Italy, since April 2003.



He has contributed to the planning and implementation of several environmental epidemiology studies, at the Italian (SISTI, EPIAIR 1 and 2) and European level (HEAPSS, AIRGENE, ESCAPE, MED-PARTICLES), aimed at investigating the relationship between environmental exposures and adverse health outcomes, and the identification of vulnerable population subgroups. In particular, he has been the coordinator of the European multi-centre project "MED-PARTICLES: Particles size and

Committees

composition in Mediterranean countries: geographical variability and short-term health effects”, funded by the European Commission under the LIFE+ framework (grant: LIFE+2010 ENV/IT/327).

In the last period, he has been involved in several national and international projects aimed at developing spatiotemporal models to predict daily PM concentrations at fine spatial grid over the whole Italy and in the Stockholm county, by use of satellite data.

He is co-author of more than 80 scientific papers published on international and Italian journals and indexed in PubMed.

Members:

- Carla Ancona, Dep. Epidemiology Lazio Region, Italy
- Zorana Andersen, University of Copenhagen, Denmark
- Xavier Basagaña, ISGlobal, Spain
- Payam Dadvand, ISGlobal, Spain
- Francesca de' Donato, Dep. Epidemiology Lazio Region, Italy
- Antonio Gasparrini, LSHTM, United Kingdom
- Ulrike Gehring, IRAS, The Netherlands
- Monica Guxens, ISGlobal, Spain
- Jaana Halonen, Finnish Institute of Occupational Health, Finland
- Frauke Hennig, University of Dusseldorf, Germany
- Barbara Hoffmann, University of Dusseldorf, Germany
- Itai Kloog, Ben Gurion University, Israel
- Virissa Lenters, IRAS & Norwegian Institute of Public Health, Norway
- Andrei Pyko, Karolinska Institutet, Sweden
- Raanan Raz, The Hebrew University of Jerusalem - Hadassah, Israel
- Sophia Rodopolou, National and Kapodistrian University of Athens, Greece
- Mireille Toledano, Imperial College London, United Kingdom
- Evangelia Samoli, National and Kapodistrian University of Athens, Greece
- Maciek Strak, IRAS, The Netherlands
- Ana Vicedo-Cabrera, LSHTM, United Kingdom
- Danielle Vienneau, Swiss TPH, Switzerland
- Cristina Villanueva, ISGlobal, Spain
- Jeele Vlaanderen, IRAS, The Netherlands
- Martine Vrijheid, ISGlobal, Spai

Keynotes

Keynote: Environmental exposures and disease: role of the epigenome

Prof. Annette Peters



Annette Peters, PhD, directs the Institute of Epidemiology at the Helmholtz Zentrum München – German Research Center for Environmental Health, Neuherberg, Germany. She studied biology, mathematics and epidemiology at the Universities in Konstanz and Tübingen, Germany as well as at the Harvard School of Public Health, Boston, USA. She has pioneered work identifying the link between ambient particulate matter and cardiovascular disease exacerbation. Furthermore, she was among the first examining the role of ultrafine particles in epidemiological studies. She was the president of the ISEE in 2012 and 2013. Since 2014, she is a principal investigator of the German National Cohort. Her research interest is to integrate the assessment of environmental exposures with chronic disease epidemiology and biomedical approaches utilizing high throughput technologies such as whole genome-wide methylation or metabolomics. She has served on numerous scientific panels and expert groups including the group drafting the global guidelines on air pollution published in 2005 by the World Health Organization, a panel advising the International Olympic Committee during the Beijing Olympics in 2008 and chairing a grant panel of the European Research Council. She is a professor at Ludwig-Maximilians Universität, München, Germany and an adjunct professor at the Harvard School of Public Health, Boston, USA.

Keynote: Air pollution and reproductive outcomes: is there anything left for us to do?

Prof. Beate Ritz



Beate Ritz, MD, Ph.D., is a Professor of Epidemiology at the UCLA Fielding School of Public Health with co-appointments in Environmental Health Sciences and Neurology at the UCLA, SOM; a member of the Center for Occupational and Environmental Health and the California Population Research Center. Her primary research interests are the effects of occupational and environmental exposures focusing on air pollution and pesticides on pregnancy and adverse birth outcomes and childhood diseases (autism and asthma) as well as neurodegeneration (Parkinson's and Alzheimer) and cancers. She has developed geographic information system (GIS) based exposure assessment tools to study health effects of air pollution and of long-term pesticide exposures. She is the 2007 recipient of the Robert M. Zweig M.D. Memorial Award ("Clean Air Award") from the California South Coast Air Quality Management District, and served on multiple IOM committees evaluating Gulf War Illness, the U.S. EPA CASAC panel (Carbon Monoxide National Ambient Air Quality

Keynotes

Standards); she has been a member of the Scientific Review Panel on Toxic Air Contaminants for the state of California for 5 years and recently served on the IOM.

Planetary Health: what does it mean for environmental epidemiologists?

Dr. Cathryn Tonne



Cathryn Tonne is an environmental epidemiologist focusing on broad issues around the influence of the physical environment on health and health inequalities with a global perspective. Much of her research has focused on the health effects of air pollution from traffic and household sources. She leads the European Research Council funded Cardiovascular Health effects of Air pollution in Telangana, India (chaiproject.org). She trained in Epidemiology and Environmental Health at the Harvard School of Public Health. Prior to her doctoral training, she received a Master of Public Health, with a focus on environmental health, from Columbia University, and a BS in chemistry from UC Berkeley. She joined ISGlobal (former CREAL) in 2015 after several years in London, first at King's College Environmental Research Group and then the London School of Hygiene and Tropical Medicine.

Keynote: Temperature-related health risks: current and future impacts

Dr. Ana Maria Vicedo-Cabrera



Ana Maria Vicedo-Cabrera, PhD, is an Assistant Professor of Environmental Epidemiology and Statistics at London School of Hygiene and Tropical Medicine. She is an early-stage epidemiologist with interests on climate change research. She has lead and collaborated in several temperature-related mortality studies in different regions. However, most of her research has been focused on the assessment of the impact of ambient temperatures on perinatal health. She is currently interested in the development of advanced statistical tools and new epidemiological study designs on climate change research, which can be applicable in other areas of environmental epidemiology.

Panel discussion

Communicating Science

On Monday afternoon we will have a panel discussion on "Communicating Science - Well Performed Risk Communication" focusing on two topics:

- The issue of air pollution (e.g. fine particles, NO₂) and health in retrospective: success or failure in communication?
- Scientific communication under fire: how to deal with changed conditions?

We are planning on including the audience as much as possible into this discussion. Therefore you will find a pen and three cards in your conference bag: a white one, a green one and a red one:

- The white one you can use for putting questions to the panelists
- The green and the red one will be used for audience quiz during the panel discussion

Moreover, there will be two additional chairs within the round of panelists for volunteers from the audience who want to contribute and discuss.

Prof. Bert Brunekreef



Bert Brunekreef, PhD, is a Professor of Environmental Epidemiology in both the Faculties of Veterinary Medicine, and the Faculty of Medicine at Utrecht University and director of the Institute for Risk Assessment Sciences, Utrecht University. He studied Environmental Sciences at the Wageningen University, Netherlands. He was the president of the ISEE in 2000 and 2001. Since the early 1990s, he coordinated five EU funded studies (PEACE, TRAPCA, AIRALLERG, AIRNET, ESCAPE) in the field of air pollution, allergy and health and was a partner in many other international collaborative studies. He was the PI on three studies funded by the US Health Effects Institute.

On several occasions, he served as advisor on national and international panels in the field of environmental health, including the Dutch National Health Council, of which he is a member, WHO and the US EPA. He received the ISEE John Goldsmith award (2007), the European Lung Foundation Award (2007), an honorary doctorate of the Catholic University of Leuven, Belgium (2008), the Heineken Prize for Environmental Sciences (2008), and an Academy Professorship of the Dutch Royal Academy of Sciences (2009) to which he also was elected to become a member in 2009.

Panel discussion

Dr. Francesco Forastiere



Francesco Forastiere, MD, PhD, Senior Scientist with the Department of Epidemiology, Rome Health Authority, Italy, since 1982. Medical background in respiratory diseases and in occupational medicine, Master of Science in Epidemiology (LSHTM) and PhD in Epidemiology (Linköping, Sweden). I have been conducting studies on the health effects of air pollution in the general environment in the last three decades. Author or co-author of more than 500 full papers in the peer-reviewed scientific literature. I have been focusing on the application of scientific research findings to a wide range of public health issues, including air pollution, radon, waste disposal, occupational exposure to silica and asbestos, and environmental tobacco smoke.

Prof. Annette Peters



Annette Peters, PhD, directs the Institute of Epidemiology at the Helmholtz Zentrum München – German Research Center for Environmental Health, Neuherberg, Germany. She studied biology, mathematics and epidemiology at the Universities in Konstanz and Tübingen, Germany as well as at the Harvard School of Public Health, Boston, USA. She has pioneered work identifying the link between ambient particulate matter and cardiovascular disease exacerbation. Furthermore, she was among the first examining the role of ultrafine particles in epidemiological studies. She was the president of the ISEE in 2012 and 2013. Since 2014, she is a principal investigator of the German National Cohort. Her research interest is to integrate the assessment of environmental exposures with chronic disease epidemiology and biomedical approaches utilizing high throughput technologies such as whole genome-wide methylation or metabolomics. She has served on numerous scientific panels and expert groups including the group drafting the global guidelines on air pollution published in 2005 by the World Health Organization, a panel advising the International Olympic Committee during the Beijing Olympics in 2008 and chairing a grant panel of the European Research Council. She is a professor at Ludwig-Maximilians Universität, München, Germany and an adjunct professor at the Harvard School of Public Health, Boston, USA.

Panel discussion

Dr. Mark J Nieuwenhuijsen



Mark J Nieuwenhuijsen, PhD, is a world leading expert in environmental exposure assessment, epidemiology, and health risk/impact assessment with a strong focus and interest on healthy urban living. He has experience and expertise in areas of all cause mortality, respiratory and cardiovascular disease, mental health and cognitive function, cancer and reproductive health, and exposure measurement and modelling of indoor and outdoor air pollution, green space, UV exposure, noise, temperature and physical activity, using new technology such as GIS, smartphones, personal sensors and remote sensing. He is currently PI on the EC funded HELIX (<http://www.projecthelix.eu/>), that examines the early life exposome and childhood diseases, EC funded EXPOSOMICS (<http://www.exposomicsproject.eu/>) that examines the air pollution and water exposome and health, the EC funded PASTA study (<http://www.pastaproject.eu>), which promotes active transportation through sustainable transport, and the EC funded BlueHealth project evaluating the relationship between blue space and Health. He worked at the University of California, David, USA is Imperial College London UK and is now professor at ISGlobal, Barcelona, Spain. He edited 3 textbooks on exposure assessment and environmental epidemiology and has coauthored more than 350 peer reviewed papers.

Nicoletta Renz



studied journalism and biology in Germany, France and England. For many year, she worked as a TV producer and journalist in London for various TV stations and news agencies such as BBC World, AP, Reuters, ARD and RTL. Since returning to Germany, she has worked for Bayerischer Rundfunk, mainly in the science department. She has produced and directed a number of documentaries, some of which have played at smaller film festivals.

Panel discussion

Prof. Beate Ritz



Beate Ritz, MD, Ph.D., is a Professor of Epidemiology at the UCLA Fielding School of Public Health with co-appointments in Environmental Health Sciences and Neurology at the UCLA, SOM; a member of the Center for Occupational and Environmental Health and the California Population Research Center. Her primary research interests are the effects of occupational and environmental exposures focusing on air pollution and pesticides on pregnancy and adverse birth outcomes and childhood diseases (autism and asthma) as well as neurodegeneration (Parkinson's and Alzheimer) and cancers. She has developed geographic information system (GIS) based exposure assessment tools to study health effects of air pollution and of long-term pesticide exposures. She is the 2007 recipient of the Robert M. Zweig M.D. Memorial Award ("Clean Air Award") from the California South Coast Air Quality Management District, and served on multiple IOM committees evaluating Gulf War Illness, the U.S. EPA CASAC panel (Carbon Monoxide National Ambient Air Quality Standards); she has been a member of the Scientific Review Panel on Toxic Air Contaminants for the state of California for 5 years and recently served on the IOM panel on "21st Century Risk Assessment".

Jens Soentgen



Jens Soentgen is a philosopher and chemist, serving as academic director of the Environmental Science Center at University of Augsburg. Since 2016 he is also Adjunct Professor of Philosophy at Memorial University in St. John's, Canada. Since 2012 he co-edits the journal GAIA – Ecological Perspectives for Science and Society. Soentgen published widely on the history and theory of chemistry as well as on the specifics of individual materials, and on environmental health topics, both for the scientific community and for the general reader.

Moderation

Brigitte Strahwald



Brigitte Strahwald is a physician, epidemiologist and graphic designer, with an additional master in medical ethics and law. She is working, teaching and doing research in the field of health communication and information visualization. Brigitte develops, organizes and moderates new conference and workshop formats that support interaction and initiate innovative solutions. She co-directs an agency for health communication, and teaches at the Institute for Medical Informatics, Biometry and Epidemiology (IBE) at the LMU Munich. She is involved in several projects focusing on the improvement of teaching and learning.

Morning Sessions

The following early morning sessions which will be held from 8:00 - 8:50. Registration is not required.

DAY 1: Monday, 19 March

Room	S1	S2	S3
8:00-8:50	Greener cities, healthier people	The blackbox opened? Microbiota and child health, methods, challenges and results	New frontiers for environmental epidemiology in a big data world

DAY 2: Tuesday, 20 March

Room	S1	S2	S3
8:00-8:50	Integrated Health Impact Assessment of environmental stressors: concepts and methods (in pills)	Using small area data for environmental epidemiology studies: what, why and how?	The deep secrets of getting your paper published (OEM)

Greener cities, healthier people

The deep secrets of getting your paper published (OEM)



Mark J Nieuwenhuijsen PhD is a world leading expert in environmental exposure assessment, epidemiology, and health risk/impact assessment with a strong focus and interest on healthy urban living. He has experience and expertise in areas of all cause mortality, respiratory and cardiovascular disease, mental health and cognitive function, cancer and reproductive health, and exposure measurement and modelling of indoor and outdoor air pollution, green space, UV exposure, noise, temperature and physical activity, using new technology such as GIS, smartphones, personal sensors and remote sensing. He worked at the University of California, David, USA is Imperial College London UK and is now professor at ISGlobal, Barcelona, Spain. He edited 3 textbooks on exposure assessment and environmental epidemiology and has coauthored more than 350 peer reviewed papers.

Morning Sessions

Integrated health impact assessment of environmental stressors: concepts and methods (in pills)

Carla Ancona is a Senior Epidemiologist at the Department of Epidemiology of the Lazio Regional Health Service in Rome, Italy. She deals mainly with environmental epidemiology, participating in national and international research projects related to air and noise pollution, industrially contaminated sites, waste, and Health Impact Assessment. She has also participated in teaching activities in epidemiological courses in Italy and abroad. She was and elected member of the Italian Association of Epidemiology Secretariat 2011-2012 and a co-Chair of the XXVIII edition of the Conference of the International Society Environmental Epidemiology, Rome 2016. She has a biology degree with honors and a specialty diploma with honors in Medical Statistics at the Sapienza University of Rome as well as an International Master in HTA from Catholic University of Rome. In 2002, she completed an internship of four months at the AETMIS Montreal, Quebec.

Danielle Vienneau, PhD is a geospatial environmental epidemiologist in the Environmental Exposures and Health Unit at Swiss TPH, Basel Switzerland. She has extensive experience in environmental health research, with an emphasis on spatial modelling of environmental pollution sources (e.g. noise, air pollution, pesticides, greenspace) and human interactions. Working at the interface between environmental exposures and health effects, she has conducted numerous exposure assessment studies, and has been involved in various epidemiological and health risk assessment studies on noise and air pollution in Switzerland and Europe. She was a key researcher in the SiRENE (Short and long term effects of transportation noise) study working with the Swiss National Cohort (SNC), and further used the SNC to investigate mortality in Switzerland in relation to other exposures including radon, residential and occupational UV, light at night, and greenspaces.



Morning Sessions

New frontiers for environmental epidemiology in a big data world

Dr. Roel Vermeulen is a Professor of Environmental Epidemiology and Exposome



Science at the Institute for Risk Assessment Sciences (IRAS), Utrecht University and at the Julius Center for Health Sciences and Primary Care, University Medical Center Utrecht, The Netherlands. He is the director of the International Exposome Center (I3CARE), and co-chair of the Personalized Health and Medicine Program of Utrecht Life Sciences at Utrecht University. He previously held positions at the National Cancer Institute, USA.

His scientific research focuses on environmental risk factors for cancer and neurological diseases with a strong emphasis on integrating epidemiology, high quality exposure assessment, and molecular biology into multidisciplinary investigations. One of the current research areas is the exploration of new methods for quantifying the external and internal exposome. He is the PI of several large case-control and prospective (biobank) studies in occupational and the general population. Dr. Roel Vermeulen has served on many international committees including including the WHO and the National Toxicology Program in the US. He is a member of the Dutch Expert Committee for Occupational Standards of the Dutch Health council. He was elected chair of the International Commission on Occupational Health (ICOH), Scientific Committee on Epidemiology in Occupational Health (EPICOH) in 2015. He has published over 400 publications.

The blackbox opened? Microbiota and child health, methods, challenges and results

Dr. Merete Eggesbø is an environmental epidemiologist with expertise in reproductive



health and adverse effects of environmental chemicals and gut microbiota.

She is the PI of the prospective NoMIC birth cohort, one of the first birth cohorts designed specifically to study gut microbiota in early life and child health, as well as the PI of the HUMIS study which aims at exploring the role of persistent toxicants and health. The cohorts encompass more than 2600 children and an extensive longitudinal data collection. Publications from the research group she leads are so far are on the role of persistent toxicants, as well as the role of antibiotics, cesarean delivery and the composition of gut microbiota in early life, for child health.

Morning Sessions

Using small area data for environmental epidemiology studies: what, why and how?

Pippa Douglas is a Research Fellow at the National Heart and Lung Institute, funded via an MRC-PHE centre for Environment and Health fellowship. She is particularly interested in potential associations of respiratory disease with biological air pollution exposure in studies of people living near anthropogenic sources of biological air pollution. Prior to her fellowship, Pippa worked in the Small Area Health Statistics Unit where she gained extensive experience in environmental epidemiology, exposure assessment, and handling large routine health data. She received her PhD in air pollution monitoring and modelling from Cranfield University in 2014, focussing on bioaerosol emissions from composting facilities.

Aina Roca-Barceló is trained in Biomedical Sciences at the "Universitat Autònoma de Barcelona (UAB)". She holds a Master's in Health Promotion by the "Universitat de Girona (UdG)", Spain. After one-year of work experience in a molecular biology laboratory in Bergen, Norway, Aina developed a keen interest in cancer research and worked as a Research Assistant at the Girona Cancer Registry in Spain. She remained in that position for one year and then moved to the Small Area Health Statistics Unit (SAHSU) at the Imperial College of London, UK where she is currently working as a Research Assistant in Epidemiology. Her research interests are in environmental health, specially related to non-communicable diseases and small area data.



Workshops/Awards

Three post-conference workshops will take place on March 21, 9:00 - 13:00. Registration is required as only 25 places per workshop are offered on a first-come, first-served basis. The fee for a workshop is 10€.

Please bring your own laptop. A limited number of laptops can be provided by HMGU. If you want to make use of one of HMGU laptops please contact the organizers (infoSp@m@isee-young.eu) in advance.

Please note that there is no catering for the workshops except for some cookies, thus please bring your own food and drinks. There is also the possibility to buy something at the mensa which is directly next to the conference building. Also, the tap water has a very good quality if you want to refill your own bottles.

Application of DAGs in epidemiological research

Lecturer: Frauke Hennig

As environmental epidemiologists struggle to find a sufficient set of variables they need to adjust for in their models in order to report an unbiased exposure effect estimate, directed acyclic graphs (DAGs) provide a helpful tool to identify a sufficient adjustment or potential sources of biases. This workshop will provide an application-based framework of why, and more importantly how to use DAGs for their research question and how to evaluate them regarding both prior knowledge and observational data.



Statistical strategies for multi-pollutant modeling

Lecturer: Jelle Vlaanderen

Analyzing mixtures of exposures is a recognized challenge in environmental epidemiology. In this workshop we will introduce and provide R script for several statistical approaches for multi-pollutant modeling and modeling of exposomics data, including sparse partial least squares regression and (Bayesian) penalized regression. These modelling approaches mitigate co-exposure confounding bias and generally yield improved selection accuracy (fewer false positive discoveries) than conventional single-pollutant regression methods.



Workshops/Awards

Survival analysis with R

Lecturer: Sofia Rodopoulou, Matteo Scortichini

The main scope of the workshop is to familiarize participants with the methods used in the analysis of time to event data using R language. Emphasis will be given to the peculiarities that characterize the time to event data analysis, as censoring, to the use of semi-parametric models and the correct interpretation of the results. Methods to deal with heterogeneity between groups of observations (e.g. frailty models) will be also introduced as well as methods to deal with coefficients and/or covariates changing over time.



Awards

At the Closing Session of the conference, awards will be presented to the authors of outstanding abstracts and poster presentations. During the abstract review process, each abstract will be reviewed two times by members of the Scientific Committee. The poster presentations will be assessed by a group of senior Scientific Committee members during the conference. The laureates will receive a certificate and small gift.

Information for presenters

Information for oral presentations

The presentation time will be 10 minutes plus an additional 5 minutes for discussion. The following presentation formats are permitted:

- MS Powerpoint (PPT, PPTX)
- PDF Presentations

Please bring your presentation on a USB stick to the room where your presentation takes place and upload it to the computer in that room at least 15 minutes before the start of the session. In each session room, staff will be available to help you with this.

For Mac users:

- Use a common font, such as Arial, Times New Roman, Verdana etc. (special fonts might be changed to a default font on a PowerPoint based PC).
- Insert pictures as JPG files (and not TIF, PNG or PICT - these images might not be visible on a PowerPoint based PC).
- Use a common movie format, such as AVI, MPG and WMV (MOV files from QuickTime will not be visible on a PowerPoint based PC).

Information for poster presentations

Posters should be in portrait orientation and should not exceed the following dimensions: 90 cm wide and 120 cm high. We recommend DIN A0 (84.1 x 118.9 cm). Contents should be easily read at a distance of 150 cm.

The poster sessions are planned as "guided tours", thus you will have 3 to 4 minutes to present your poster followed by 1-2 minutes of discussion next to your poster.

Posters will be presented in the foyer of the conference building, which is close to the registration desk. Please go there on Monday morning and put up your poster on the board that shows your poster number. Pins will be provided. All posters will be on display during the entire conference.

Monday

Monday, 19 March 2018

8:00-9:00 Morning Sessions

Session 1 Room: S1	Greener cities, healthier people	Mark Nieuwenhuijsen
Session 2 Room S2	The blackbox opened? Microbiota and child health, methods challenges and results	Merete Eggesbø
Session 3 Room S3	New frontiers for environmental epidemiology in a big data world	Roel Vermeulen

9.00-10.30 Plenary

Plenary Room: HS16	Chairs: Jacquemin B, Stafoggia M
Opening Session: Welcome	Annette Peters, Tobias Eschenbacher
Environmental exposures and disease: role of the epigenome	Annette Peters
Planetary Health: what does it mean for environmental epidemiologists?	Catheryn Tonne

10.30-11.00 Coffee break Foyer

11.00- 12.30 Parallel Sessions

	Session Air pollution and neurological disorders	OEM ID
Presenter	Room: HS16 Chairs: Gehring U, Hennig F	ID
Casas L	Hyperactivity/inattention symptoms and early life indoor microbial diversity in urban children	OPI- 4 ID69
Markevych I	Outdoor air pollution, greenspace and incidence of ADHD in Saxony: A semi-individual cohort study	OPI – 6 ID13
Lubczynska G	Prenatal and postnatal exposure to air pollution and white matter microstructure in school-age children	OPI – 5 ID112
Raz R	Live birth bias may play a role in epidemiological analyses of air pollution and autism spectrum disorder	OPI – 2 ID19

Monday

Altug H	Ambient Air Pollution and Depressive Symptoms in Elderly Women: Results from the SALIA Study	OPI– 1 ID87
Renzi M	Long-term exposure to air pollution and first hospitalization for dementia	OPVI – 5 ID86

Abstracts will be published in OEM

*not published in OEM

Presenter	Session	Weather	
	Room:	HS15	
	Chairs:	Gasparrini A, Chen K	
De' Donato F	Temperature effects on mortality in urban, sub-urban and rural settings: an application of satellite derived high resolution daily temperature data		OPII – 6 ID138
Breitner S	Impact of Meteorological Parameters on Suicide Rates: a case-crossover study in Southern Germany (1990-2006)		OPII - 5 ID136
Asta F	Effect modification by socio-economic position and green spaces of short-term exposure to heat and air pollutants on preterm-birth risk. A time series study in Rome, 2001-2013.		OPII– 3 ID83
Kim H	Temperature-Related Mortality in 65 Cities of South Korea: Contributes Factors of Heterogeneity and Cases Attributable to Temperature		* ID82
Scortichini M	Temporal variation in the effect of heat and the role of the Italian heat prevention plan		OPII – 1 ID105
Qun G	Projected temperature-related years of life lost for stroke due to global warming in a temperate climate city, Asia		* ID56

Presenter	Session	Exposure assessment	
	Room:	S3	
	Chairs:	Kloog I, Lequy-Flahault E	
Vernet C	An empirical validation of the biospecimens within-subject pooling approach		OPIII – 1 ID123
Luo Z	On the model accuracy and error propagation of different indoor air quality models for health estimate from indoor exposure to outdoor origins: A case study of five Chinese Mega cities		OPIII - 6 ID144

Monday

Strak M	Mortality and Morbidity Effects of Long-Term Exposure to Low-Level PM2.5, Black Carbon, NO2 and O3: an Analysis of European Cohorts	PI – 1–3 ID47
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Presenter	Session Big data, bio allergens and mental exposure and its health effects Room: Foyer Chairs: Boogaard H, Jørgensen J	
Liutsko L	Benefits of participation citizen science in recovery programs (post-nuclear accidents)	PII – 3–8 ID85
Kurz C	Integrating Google Maps information on neighbourhood environment into diabetes risk factor surveillance: a feasibility study from Germany	PII – 3–2 ID46
Douglas P	Biological air pollution modelling and associations with lung disease (BIOMOLD) project: Estimating biological air pollution exposure from outdoor composting activities in England between 2005-14	OPII – 3 ID84
Odebode A	Occurrence of airborne fungal spores diversity and allergenicity in two Southwestern states of Nigeria.	PII – 3–1 ID23
Toichuev R	The problems of typhoid fever and brucellosis in uranium zone of the Kyrgyz Republic.	PII – 3–4 ID60
Toichuev R	The effect of radionuclide water pollution on the structure of childhood disability	PI – 3–4 ID59
Liutsko L	Occupational health of workers in the potash industry: a retrospective study	PII – 3–7 ID37
Garcia-Esquinas E	Exposure to environmental pollutants and frailty in older adults	PII – 3–6 ID42
Thondoo M	A systematic review of Health Impact Assessments in Low-and-Middle Income Countries: Methodological issues and implications	PII – 3–3 ID106
Adewoyin Y -cancelled-	Political Economy and Contextual Correlates of Health Variations in Urban Nigeria	PII – 3–9 ID10

Monday

	Session Pregnancy & childhood & indoor environment	
Presenter	Room: Foyer Chairs: Casas L, Lubczynska G	
Haimi M	Vitamin D deficiency/insufficiency- from childhood to adulthood: insights from a sunny country	PI – 3–1 ID11
Harris C	Physical activity may modify the association between saturated fat intake and blood lipids in adolescents	PI – 3–3 ID110
Ramlochan -singh C	Association of Maternal Diet during Pregnancy and Metabolite Profile in Cord Blood	PI – 3–2 ID104
Iszatt N	Gut microbiota modulation of arsenic species in breastmilk	PI – 3–5 ID135
Novikava N	Leukemia and lymphoma incidence in children in Belarus	PI – 3–6 ID122
Toyinbo O	Evaluating School Buildings and Indoor Environmental Quality in Nigerian Elementary Schools	PI – 3–7 ID14
Oliverio S	The burden of carbon monoxide exposure on public health: evaluating the role of carboxyhaemoglobin (COHb) as a biomarker and exploring new approaches for quantification	PI – 3–9 IDID145
Zhang H Cai S	Seasonal contrasts of indoor exposure to PM2.5 in peri-urban and urban Beijing	PI – 3–10 ID72
Roca-Barceló A	Diagnosis at the emergency department of patients eventually admitted to hospital with Carbon Monoxide poisoning in England	* ID75

	Candidates for poster award	
Presenter	Room: Foyer Chairs: Awards subcommittee	
Roca-Barceló A	Social inequities in the risk of death for women diagnosed with an invasive breast cancer in the Girona province, Spain	3 ID38
Pitchika A	Associations of maternal type 1 diabetes with childhood adiposity and metabolic health in the offspring	5 ID36
Souleymane - Cognez N	Chronic dietary exposure to multiple pesticides during pregnancy and risk of hypospadias: The French Elfe birth cohort	2 ID91

Monday

Castagné R	Allostatic load and subsequent all-cause mortality: which biological markers drive the relationship? Findings from a UK birth cohort	* ID111
Avila-Palencia I	Transport modes and subjective general health: roles of mental health, social contacts, and physical activity	1 ID95
Filippini T	Comparison of two alternative methodologies to estimate the weekly intake of cadmium in an Italian population	4 ID132
Lequy-Flahault E	Moss biomonitoring as an alternative to assess exposure to atmospheric metals in environmental epidemiology: the example of the BRAMM network and the Gazel cohort	6 ID141
Milanzi E	Air pollution exposure during different time windows from birth and lung function growth up to adolescence	7 ID18
Tian L -cancelled-	The interactive effects between particulate matter and temperature on mortality in Beijing, China	8 ID58

14.30-16.00 Parallel sessions

Presenter	Session	Environmental contaminants and children's health	
	Room:	HS16	
	Chairs:	Toledano M, Iszatt N	
Ein Mor E	The exposure to organophosphate pesticides among pregnant women in Jerusalem - the "Environment, Mother, and Child" study		OPV – 5 ID68
Ein Mor E	Preliminary Results of Maternal Exposure to Organophosphate Pesticides and Fetal growth in Jerusalem - the "Environment, Mother, and Child" Study		OPV – 3 ID70
Nakiwala D	In-utero exposure to phenols and phthalates and the intelligence quotient of boys at 5 years		OPV – 4 ID16
Shala C	A study of school-going children on neurobehavior and currently used agricultural pesticide exposure in the rural Western Cape, South Africa		OPV – 6 ID117
Abellan A	Prenatal exposure to organochlorine compounds and lung function until early adulthood		OPV – 1 ID21

Monday

	Session Air pollution and cardio-metabolic outcomes	
Presenter	Room: HS15 Chairs: Tonne C, Cai S	
Sheehan A	Childhood Type 1 Diabetes; an Environment Wide Association Study (EWAS) across England	OPIV – 1 ID32
Lanzinger S	Long-term air pollution exposure and the impact on metabolic control in children and adolescents with type 1 diabetes - Results from the DPV registry	OPIV – 3 ID94
Zhang S	Long-term Effects of Air Pollution on Ankle-brachial Index	OPIV – 2 ID115
Matthiessen C	Long-term Air Pollution and Incidence of the Metabolic Syndrome in the Population-Based Heinz Nixdorf Recall Study.	OPIV – 5 ID73
Buteau S	Associations between daily mortality and ambient NO2 and O3 in persons having congestive heart failure: Nested case-control analyses using different exposure models.	OPIV – 6 ID139
Klompaker J	Associations of combined exposures to surrounding green space, air pollution and road-traffic noise with cardio-metabolic disease	– * ID62

	Session Radiation	
Presenter	Room: S3 Chairs: Guxens M, Vlaanderen J	
Mutz J Smith R	Socio-demographic predictors of mobile phone ownership and use in the Study of Cognition, Adolescents and Mobile Phones	OPVI – 3 ID134
Birks L	Spatial and temporal variability of personal exposure to radio frequency electromagnetic fields in children in Europe	OPVI – 5 ID114
Van Wel L	Organ-specific integrative exposure assessment for radio-frequency electromagnetic fields: general population exposure and dose contribution of various sources	OPVI – 2 ID45
Cabré A	Radiofrequency electromagnetic fields exposure and sleep in adolescents	OPVI – 1 ID119
Smith R	Are mobile phones making us fat? Findings on mobile phone use, obesity, and gene-environment interactions from the UK COSMOS and UK Biobank cohort studies	* ID100
Madykova J -cancelled-	A comparative analysis of cancer rates due to environmental radioactive contamination within identified zones in the town of Mailu-Suu, from 2006-2015	OPVI – 6 ID22

Monday

16.00-16.30 Coffee break Foyer

16.30-18.30

Plenary	Moderatorin: Strahwald B
Room HS16	
Panel discussion on "Communicating Science" with Brunekreef B, Forastiere F, Nieuwenhuijsen M, Peters A, Renz N, Ritz B and Soentgen J	

19.30 Conference Dinner Lindenkeller Freising

The conference dinner will take place on Monday, 19 March at 19.30 pm at Lindenkeller (address: Veitsmüllerweg 2). You can either walk to the conference dinner (see overview map: short walk of 15 min or scenic hilly walk of 25 min through the oldest brewery with a beautiful view over Munich and the alps - if the weather is nice and it is not too dark) or take the bus 638 to "Weihenstephaner Str".

IMPORTANT: If you have any specific dietary requirements please let us know as soon as possible: info@isee-young.eu

Tuesday

Tuesday, 20 March 2018

8.00-9.00 Morning sessions

Session 1 Room S1	Integrated Health Impact Assessment of environmental stressors: concepts and methods (in pills)	Carla Ancona & Danielle Vienneau
Session 2 Room S2	Using small area data for environmental epidemiology studies: what, why and how?	Pippa Douglas & Aina Roca-Barceló
Session 3 Room S3	The deep secrets of getting your paper published (OEM)	Mark Nieuwenhuijsen

9.00-10.30 Plenary

Plenary Room: HS16	Chairs: Peters A, Douglas P
Air Pollution and Reproductive Outcomes: is there anything left for us to do?	Beate Ritz
Temperature-related health risks: current and future impacts	Ana Vicedo Cabrera
The combined effects of ambient particulate matter (PM) and solar ultraviolet (UV) radiation on facial pigment spot formation in Caucasian women	Anke Hüls
Environmental contaminants in breast milk are associated with gut microbiota composition and short-chain fatty acids in infants one month old	Nina Iszatt

10.30-11.00 Coffee break Foyer

11.00-12.30 Parallel sessions

	Session Green spaces, physical activity, mobility	
Presenter	Room: HS16 Chairs: Dadvand P, Mueller N	
Liutsko L	Type of physical activity, diet, BMI and tobacco/alcohol consumption relationship: Which of them affect more our health?	OPVIII – 4 ID52
Tesch F	Outdoor air pollution, greenspace and cancer incidence in Saxony – semi-individual cohort study	OPI – 6 ID24
Bauwelinck M	Long-term exposure to neighbourhood green spaces protects from all-cause mortality in adults (18 to 65 years old) living in the five largest cities in Belgium: a census-based study.	OPVIII – 5 ID120

Tuesday

De Keijzer C	Green space exposure is associated with slower cognitive decline in older adults: A 10-year follow-up of the Whitehall II cohort.	OPVIII – 2 ID43
Roscoe C	Greenspace exposure and cardiovascular disease: assessing the contribution of the environmental pathway	OPVIII – 1 ID131

	Session Air Pollution and health	
Presenter	Room: HS15 Chairs: Hoffmann B, Asta F	
Lequy E	Long-term exposure to atmospheric metals, assessed through moss biomonitoring of air pollution, and mortality in the French Gazel cohort	* ID140
Cohen G	Long-term residential exposure to traffic-related air pollution and risk of cancer among 10,000 coronary patients: a prospective cohort study	* ID26
Sifaki-Pistolla D – cancelled-	Outdoor air pollution on lung cancer mortality, prior and during the Greek financial crisis: Modeling the current and future spatio-temporal trends	OPVII – 3 ID81
Renzi M	Long-term PM10 exposure and cause-specific mortality in Latium Region: a difference-in-differences approach.	OPVII – 5 ID34
Chen K	Does temperature confounding control influence the modifying effect of air temperature in ozone-mortality associations?	OPVII – 2 ID33

	Session Health Impact Assessment	
Presenter	Room: S3 Chairs: Vienneau D, Quinot C	
Villanueva C Rojas D	Bladder cancer burden from exposure to trihalomethanes in drinking water in the European Union	*ID89
Thakur B	Economic costs of arsenic induced illnesses due to groundwater contamination in Bihar	OPIX – 3 ID39
Vert Roca C	Health impact assessment of riverside regeneration in Barcelona	OPIX – 6 ID64
Nieuwenhuijsen M	Traffic-Related Air Pollution and The Local Burden of Childhood Asthma in Bradford, UK	OPIX – 5 ID25
Kraus U	Quantification of Environmental Burden of Disease Related to Nitrogen Dioxide Exposure in Germany	OPIX – 4 ID133
Rojas-Rueda D	Health Impacts of Bike Sharing Systems in Europe	OPIX – 2; ID55

Tuesday

12.30 Lunch Foyer

13.00-14.30 Poster session Foyer

	Session Air Pollution II	
Presenter	Room: Foyer Chairs: Raz R, Kutler Joss M	
Ananyeva O -cancelled-	Assessment of Variability of Commuting-Related Air Pollutant Exposures in Different In-Vehicle Microenvironments	PI – 1–1 ID76
Ottone M Ranzi A	Source-related components of PM2.5 and long-term health effects: Epidemiological findings of Supersite project in Italy	PI – 1–4 ID118
Jaquemin B	Association between air pollution and severity of rhinitis in two European cohorts	PI – 1–5 ID102
Ramlochansingh C	Ambient air pollution and diabetes - a systematic review.	PI – 1–6 ID96
Avila-Palencia I	Effects of air pollution and physical activity on blood pressure	PI – 1–7 ID92
Morhulova V -cancelled-	Ambient air pollution PM10 and PM2,5 due to coal TPP.	PII – 2–6 ID142
Novikava N	Effects of Ambient Air Pollution on Respiratory Health of Children in Belarus	PII – 2–9 ID63
Dons E	NO2 but not PM2.5 at the home address is associated with concern over health effects of air pollution	PII – 2–7 ID109

	Session Urban environment and climate change	
Presenter	Room: Foyer Chairs: Vicedo-Cabrera A, Vert C	
Parrish R	A critical analysis of the drivers of human migration patterns in the presence of contemporary climate change: presentation of a new conceptual model	PII – 1–6 ID146
Kiznys D	Geomagnetic storm, strong solar wind and stream interaction region affect for cardiovascular system	PII – 1–3 ID67
Tian L -cancelled-	Spatio-temporal analysis of the relationship between meteorological factors and hand-foot-mouth disease in Beijing, China	PII – 1–7 ID57

Tuesday

Ho J	Exploring the impact of weather on physical activity in the face of climate change: A literature review and exploratory survey	PII – 1–5 ID93
Tanathitikorn C	A time series analysis of associations between climate change and heat related illnesses and development of a heat health warning system in Thailand	PII – 1–4 ID29
Franceschi E	Development of land-use regression models for air temperature and relative humidity in Augsburg, Germany.	PII – 1–8 ID99
Mueller N	Health impact assessment of Barcelona"s "superblock" model	PII – 1–1 ID49
AndrusaityteS	Association between residential surrounding greenness, city park use and preschool children health	PII – 3–10 ID147
Mueller N	Urban and transport planning related exposures and mortality: a health impact assessment for Bradford, UK	PII – 1–2 ID51

	Session Environmental contaminants and Pesticides	
Presenter	Room: Foyer Chairs: Ancona C, Ohlwein S	
Thomas M	Exposure to Brominated and Organophosphate Flame Retardants in Childcare Environments: Effect of Removal of Flame-retarded Nap Mats on Indoor Levels	* ID143
Thomas M	Demographic and dietary risk factors in relation to urinary metabolites of organophosphate flame retardants in toddlers	PI – 2–2 ID35
Martins Figueiredo D	An Integrated modelling framework to estimate residents exposure to pesticides from boom sprayer applications.	PI – 2–6 ID90
Toichuev R	The problems of contamination of breast milk by organochlorine pesticides in the Osh Province of the Kyrgyz Republic.	PI – 2–3 ID61
Filippini T	Risk of amyotrophic lateral sclerosis and passive residential exposure to pesticides: comparison of questionnaire-based with GIS-based exposure assessment methods	9 ID129
Gari M	Urinary concentrations of organophosphate and pyrethroid metabolites from two Spanish populations	PI – 2–5 ID50
Gari M	Exposure to persistent organic pollutants and risk of Metabolic Syndrome in the population of Catalonia	PI – 2–4 ID53
Iszatt N	Early-life exposure to persistent organic pollutants and attention-deficit/hyperactivity disorder: a multi-pollutant assessment of a Norwegian birth cohort	PI – 2– 8 ID124

Tuesday

Wothe S	Literature review of workplace interventions with respect to risk management measures and their impact on exposure levels & comparison of observed and predicted exposure reductions to hazardous substances	PI – 2–1 ID65
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14.30-16.00 Parallel sessions

Presenter	Session Room: Chairs:	Ultrafine particles HS16 Samoli E, Scortichini M	
Vlaanderen J	The association between 24hr personal air pollution exposure measurements and acute changes in DNA methylation: A panel study in four European countries		* ID125
Lucht S	Multipollutant models for assessing particle number concentration exposure and changes in glucose metabolism in the Heinz Nixdorf Recall study		OPX – 4 ID121
Wolf K	Long-term exposure to ultrafine particles and type 2 diabetes prevalence in a longitudinal setting		OPX – 1 ID101
Rückerl R	C-reactive protein (CRP) and long-term air pollution with a focus on ultrafine particles		OPX – 3 ID44
Mwiberi S	Long-Term Exposure To Air Pollution And Biomarkers Of Inflammation And Insulin Resistance In A Longitudinal Setting		OPX – 5 ID103

Presenter	Session Room: Chairs:	Methodological advances HS15 Breitner S, Strak M	
Rodopoulou S	Assessing the cumulative health effect following short term exposure to multiple pollutants: An evaluation of methodological approaches using simulations and real data		OPXII – 1 ID12
Chen S	An automated and physically-sound regression model for primary air pollutants		OPXII – 2 ID54
Quinot C	Occupational exposure and asthma control: a longitudinal analysis controlling for the healthy worker effect		OPXII – 3 ID108
Evangelou D	Simulation of multi-pollutant model results in the presence of measurement error.		OPXII – 4 ID71
Sommer A -cancelled-	Short-term effects of daily weather characteristics on violent crimes in the Boston area.		OPXII – 5 ID28

Tuesday

Kim H	Does insufficient selection of lag induce biased results in time-series air pollution studies?	* ID80
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Presenter	Session	Noise	
	Room	S3	
	Chairs	Rojas-Rueda D, Saucy A	
Naim F	Evaluation and prediction of indoor and outdoor noise differences in residential dwellings using statistical model		OPXI – 6 OP79
El Aarbaoui T	A comparison of multiple noise indicators for the assessment of short-term associations between personal exposure to noise and heart rate variability: a sensor-based study in a real-life setting		OPXI – 4 ID97
Tangermann L	The proportion of high noise sensitivity and annoyance in the Hermes cohort study of Swiss adolescents		OPXI – 5 ID113
Tzivian L	Associations between outdoor and indoor noise, cognitive performance and depressive symptoms - Results from HNR study		OPXI – 2 ID88
Bloemsma L	Air pollution, noise, green space and overweight in children aged 12 years: the PIAMA birth cohort study		OPXI – 3 ID17
Therming Jorgensen J	Long-term Exposure to Road Traffic Noise and Incidence of Myocardial infarction. A Danish Nurse Cohort Study		OPXI – 1 ID130

16.00-16.15 **Coffee break** **Foyer**

16.15-17.00 **Plenary**

Presenter	Closing session
	Room: HS16 Chair: Schneider A
Awards subcommittee	Award presentation for outstanding abstracts and poster presentations
Frauke Hennig, Brunekreef Bert, Ulrike Gehring	Short presentation of future conference(s)
Alexandra Schneider	Farewell

Wednesday

Wednesday, 21st March 12

9.00-13.00

Workshops	Lecturer	Room
Survival analysis with R	Sofia Rodopoulou, Matteo Scortichini	S1
Statistical strategies for multi-pollutant modeling	Jelle Vlaanderen	S2
Application of DAGs in epidemiological research	Frauke Hennig	S3

General conference information

Venue

The venue is at the Central Lecture Hall at the Technische Universität München, Campus Freising-Weihenstephan:

Address

Wissenschaftszentrum Weihenstephan für Ernährung, Landnutzung und Umwelt
Zentrales Hörsaalgebäude (ZHG)
Maximus-von-Imhof-Forum 6
85354 Freising

How to get to Freising

Airport

From Munich Airport take bus 635 to Freising train/S-Bahn station (approx. 20 minutes). In Freising take bus 638 or 639 (destination Hittostaße/Fraunhofer Institut). Get off at Weihenstephan (8 minutes). A single trip costs Euro 2.90. To check public transport visit www.mvv-muenchen.de

A taxi from the airport costs approximately Euro 25.00

Train

From Munich take S-Bahn S1 (destination Freising, front part of the train) or from Munich central station take a German Railways train to Freising station (34 minutes). A single trip costs Euro 8.40. To check your train connections visit www.bahn.de

Accommodation

There are several hotels and hostels in Freising. Participants should arrange their own accommodation and transport. Please find here a list of hotels. Please note, that "km to the center" refers to the distance between the conference venue and the hotel. No pre-bookings have been made at these hotels.

Freising and Munich

More information about Freising and Munich can be found here:

Freising <https://www.freising.de/tourismus/>

Freising Wiki Voyage <https://de.wikivoyage.org/wiki/Freising>

Visit Munich <http://www.muenchen.de/int/en.html>

Upcoming conferences

Joint Annual Meeting of the International Society of Exposure Science and the International Society for Environmental Epidemiology (ISES-ISEE 2018)

26-30 August, Ottawa, Canada

<http://isesisee2018.org/>

Urban Transitions 2018

Integrating Urban and Transport Planning, Environment and Health for Healthier Urban Living

25 - 27 November 2018 | Sitges, Barcelona, Spain

<https://communications.elsevier.com/nl/jsp/m.jsp?c=%404ZkYcJ50HsINcTKp0W4EARkd%2BLSWoE9DLiXVAnLJoQg%3D>

Thirty-First Conference of the International Society for Environmental Epidemiology

August 25-28, 2019, Utrecht, The Netherlands

Sponsors

Helmholtz Zentrum München - German Research Center for Environmental Health,
Neuherberg, Germany

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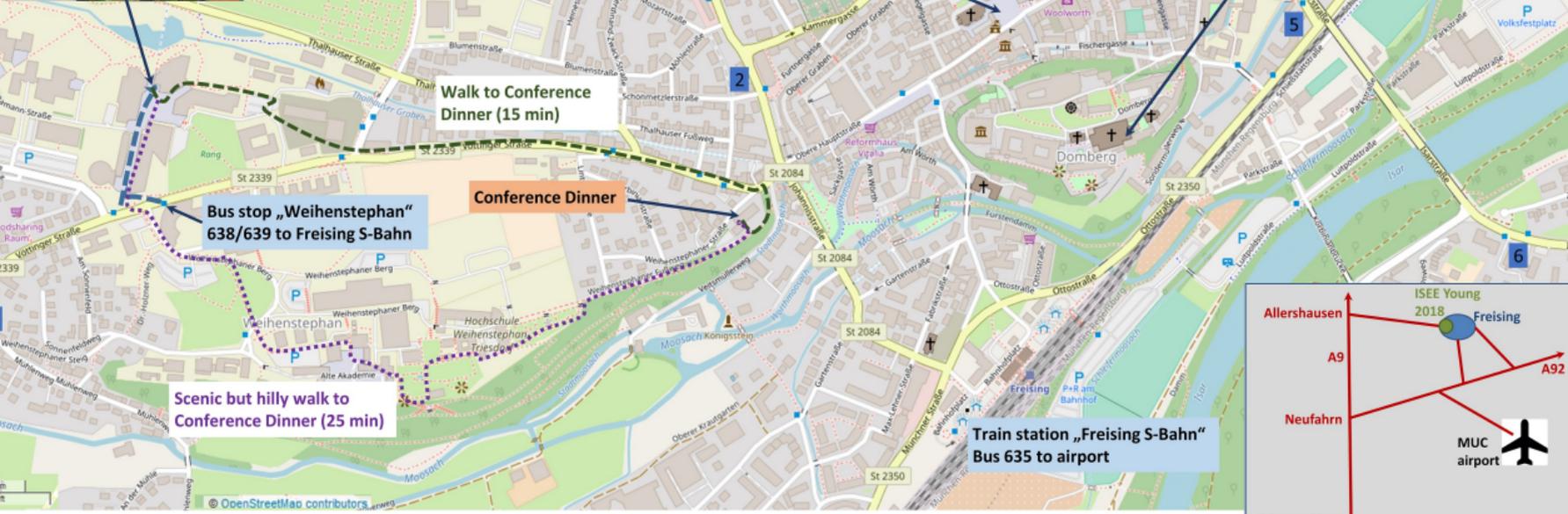
DAY 1: Monday, 19 March				
8:00-9:00	Morning sessions	S1 Greener cities, healthier people - <i>Nieuwenhuijsen M</i>	S2 The blackbox opened? Microbiota and child health, methods, challenges and results - <i>Eggesbø M</i>	S3 New frontiers for environmental epidemiology in a big data world - <i>Vermeulen R</i>
9:00-10:30	Plenary	Opening Session: Welcome by Annette Peters and Tobias Eschenbacher (mayor of Freising) Environmental exposures and disease: role of the epigenome - <i>Peters A</i> Planetary health: what does it mean for environmental epidemiologists? - <i>Tonne C</i> Chairs: <i>Jacquemin J</i> and <i>Stafoggia M</i>		
10:30-11:00	Coffee break	Foyer		
11:00-12:30	Parallel sessions	HS16 Air pollution and neurological disorders Chairs: <i>Gehring U</i> and <i>Hennig F</i>	HS15 Weather Chairs: <i>Chen K</i> and <i>Gasparrini A</i>	S3 Exposure assessment Chairs: <i>Kloog I</i> and <i>Lequy-Flahault E</i>
12:30	Lunch	Foyer		
13:00-14:30	Poster session 1	Air Pollution I - Chairs: <i>Andersen Z</i> and <i>Lucht S</i> Big data, bio allergens and metal exposure and its health effects - Chairs: <i>Boogard H</i> and <i>Jørgensen J</i> Pregnancy, childhood & indoor environment - Chairs: <i>Casas L</i> and <i>Lubczynska G</i> Candidates for poster awards - Chairs: Awards subcommittee		
14:30-16:00	Parallel sessions	HS16 Environmental contaminants and children's health Chairs: <i>Iszatt N</i> and <i>Toledano M</i>	HS15 Air pollution and cardio-metabolic outcomes Chairs: <i>Cai S</i> and <i>Tonne C</i>	S3 Radiation Chairs: <i>Guxens M</i> and <i>Vlaanderen J</i>
16:00-16:30	Coffee break	Foyer		
16:30-18:30	Plenary	Panel discussion on "Communicating Science" with <i>Brunekreef B</i> , <i>Forastiere F</i> , <i>Nieuwenhuijsen M</i> , <i>Peters A</i> , <i>Renz N</i> , <i>Ritz B</i> and <i>Soentgen J</i> . Moderation: <i>Strahwald B</i>		
19:30	Conference Dinner	<i>Lindenkeller Freising</i>		
DAY 2: Tuesday, 20 March				
8:00-9:00	Morning sessions	S1 Integrated Health Impact Assessment of environmental stressors: concepts and methods (in pills) - <i>Ancona C</i> and <i>Vienneau D</i>	S2 Using small area data for environmental epidemiology studies: what, why and how? - <i>Douglas P</i> and <i>Roca-Barceló A</i>	S3 The deep secrets of getting your paper published (OEM) - <i>Nieuwenhuijsen M</i>
9:00-10:30	Plenary	Air pollution and reproductive outcomes: is there anything left for us to do? - <i>Ritz B</i> Temperature-related health risks: current and future impacts - <i>Vicedo-Cabrera A</i> The combined effects of ambient particulate matter (PM) and solar ultraviolet (UV) radiation on facial pigment spot formation in Caucasian women - <i>Hüls A</i> Environmental contaminants in breast milk are associated with gut microbiota composition and short-chain fatty acids in infants one month old - <i>Iszatt N</i> Chairs: <i>Peters A</i> and <i>Douglas P</i>		
10:30-11:00	Coffee break	Foyer		
11:00-12:30	Parallel sessions	HS16 Green spaces, physical activity, mobility Chairs: <i>Dadvand P</i> and <i>Mueller N</i>	HS15 Air pollution and health Chairs: <i>Asta F</i> and <i>Hoffmann B</i>	S3 Health Impact Assessment Chairs: <i>Quinot C</i> and <i>Vienneau D</i>
12:30	Lunch	Foyer		
13:00-14:30	Poster session 2	Air pollution II - Chairs: <i>Raz R</i> and <i>Kutler Joss M</i> Urban environment and climate change - Chairs: <i>Vert C</i> and <i>Vicedo-Cabrera A</i> Environmental contaminants and pesticides - Chairs: <i>Ancona C</i> and <i>Ohlwein S</i>		
14:30-16:00	Parallel sessions	HS16 Ultrafine particles Chairs: <i>Samoli E</i> and <i>Scortichini M</i>	HS15 Methodological advances Chairs: <i>Breitner S</i> and <i>Strak M</i>	S3 Noise Chairs: <i>Rojas-Rueda D</i> and <i>Saucy A</i>
16:00-16:15	Coffee break	Foyer		
16:15-17:00	Plenary	Closing Session Award presentation for outstanding abstracts and poster presentations - <i>Awards subcommittee</i> Short presentation of future conference(s) - <i>Hennig F</i> , <i>Brunekreef B</i> and <i>Gehring U</i> Farewell - <i>Schneider A</i> Chair: <i>Schneider A</i>		
Post-conference Workshops: Wednesday, 21 March				
9:00-13:00		S1 Survival analysis with R - <i>Rodopoulou S</i> and <i>Scortichini M</i>	S2 Statistical strategies for multi-pollutant modeling - <i>Vlaanderen J</i>	S3 Application of DAGs in epidemiological research - <i>Hennig F</i>

Conference building

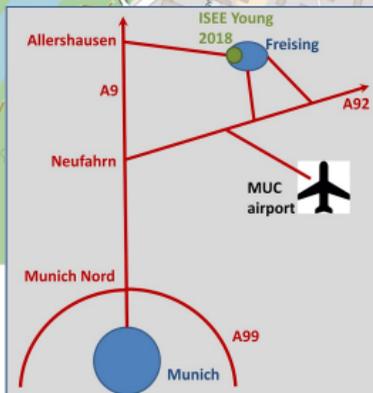


City centre

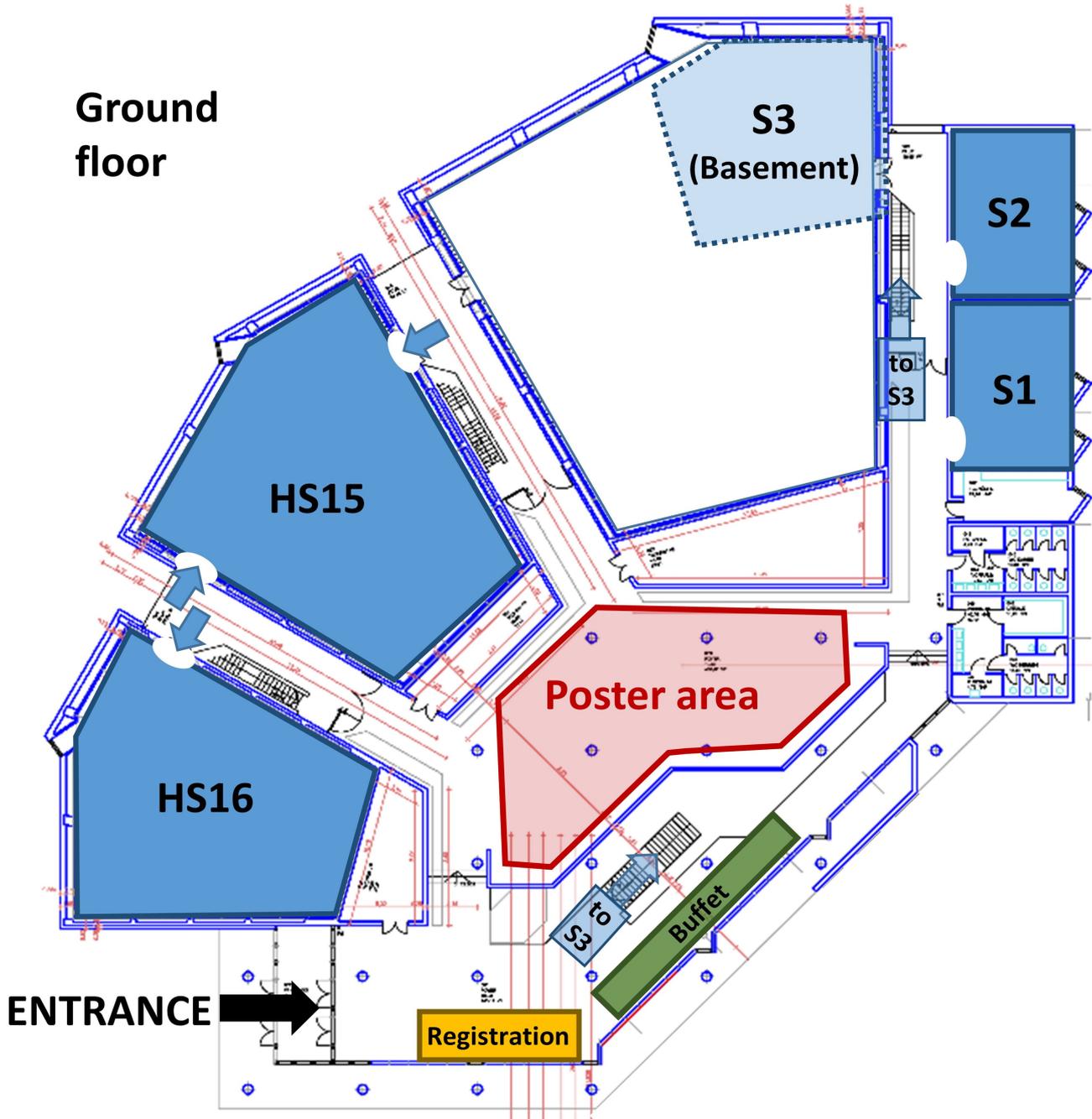
Freising Cathedral



- 1 Lerner Gasthof **
- 2 Corbin Feng Shui Business Hotel ****
- 3 Munich Airport Marriott Hotel ****
- 4 Bayerischer Hof ***
- 5 Mercure München Freising Airport ****
- 6 Isar-Hotel ***



Ground floor



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