Tentative Program

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2nd International Conference on

Membrane Science and Technology

September 13-14, 2018 | London, UK



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Membrane Science 2018 Invitation

September 13-14 | London, UK

Dear All,

We are extremely delighted to host 2nd International Conference on Membrane Science and Technology.

Membrane Science 2018 London Meet was highly successful & enriching and we aim for a bigger sky this time. The Membrane Science Series, over years, has become a successful site for the industry, science and technology fusion and envisioning a greater and wider span for advancing the segment of this new science.

We invite your participation for this mega scientific event set to happen in London this year as we start to prepare the dais for a grand discussion with the theme "Membrane Science as a Pluridisciplinary Science for Everyone in the World".

Regards

Organizing Committee Panel

Membrane Science 2018 London



The Membrane Science 2018 London conference calls for the newest and healthiest proposals for the Meet from researchers, industrial personnel and pioneering students.

This summit is designed to meet every nook and corner research topic related to the advancement in the research and development of Membrane Science and Technology such as Membranes and Technology, Waste Water Treatment, etc.

Organizing Committee

TRACK

Membrane for Water & Wastewater



PONTIE Maxime

Angers University, France

Biography:

Maxime Pontié, born on March 14, 1968, in Montauban, France, is professor and works at the University of Angers since 2004. He received a DSc degree under professors Lemordant and Rumeau in 1996 from the University Francois Rabelais in Tours, France. After a postdoctoral research study with professor R.W. Bowen, Swansea University of Wales, UK, with a research topic dedicated to mass transfer mechanism in nanofiltration. His current research interests is water desalination membrane processes with a way to intensified the processes in a sustainable development approach. He has over 100 publications that have been cited over 100 times, and his publication H-index is 35 and has been serving as an editorial board member of reputed Journals. He was a board member of the European Desalination Society for 2012 to 2017.

TRACK

Membrane for Water & Wastewater



Pierre MILLET

Paris-Sud University, France

Biography:

P. Millet is an electrochemical engineer, Professor of physical-chemistry at the University of Paris-Sud, campus of Orsay. He graduated in 1986 from the French "Ecole Nationale Supérieure d'Electrochimie et d'Electrométallurgie de Grenoble", "Institut National Polytechnique de Grenoble" (INPG). He completed his PhD thesis on water electrolysis in 1989, at the French "Centre d'Etudes Nucléaires de Grenoble" (CEA-CENG). He is currently Director of the "Laboratory of Research and Innovation in Electrochemistry for Energy applications" at the French "Institute of Molecular Chemistry and Material Science" in Orsay. His research activities focus on water electrolysis, water photo-dissociation hydrogen permeation across metallic membranes. He is the author of more than 150 research papers and book chapters and has presented more than 150 oral communications at national and international conferences.

TRACK

MF/UF/NF Membranes For Little Communities



Vandré Barbosa Brião

University of Passo Fundo - Brazil

Biography:

Vandré Barbosa Brião is food engineering and Ph.D. in Chemical Engineering in membrane separation processes. As engineer, he was operator of a RO system for water desalination in a dairy industry. Professor at University of Passo Fundo since 2000, Mr. Brião has been researched MF/UF/NF/RO in food and water/wastewater applications. The water reuse has been the goal seeked in him work and the researches has been focused in post-treatment of water/wastewater with hybrid systems by coagulation-electrocoagulation-adsorption coupled with membrane separation.

TRACK

Membrane Fouling Mechanisms



Hans-Curt Flemming

University of Duisburg-Essen, Germany

Biography:

Hans-Curt Flemming Study of chemistry in Stuttgart and Freiburg, Scholarship of Fritz ter Meer-Stiftung, Heinrich-Hörlein-Award of the German Biological Society. He was Chair for Aquatic Microbiology, University of Duisburg; Member of the board of scientific directors of the IWW Centre for Water, Mülheim/Ruh. He was Managing Director of the Biofilm Centre and also a Member of Specialist Group Steering Group of IWA.

Organizing Committee

TRACK

MF/UF/NF Membranes For Little Communities



Xiao-Lin WANG

Tsinghua University, P.R. China

Biography:

Professor WANG has published more than 300 papers and taken out more than 20 patents. He is a standing committee of the society of seawater desalination and water re-use in China from 2006, a vice dean of the Membrane Engineering and Application Committee subjected to China Membrane Industry Association from 2006, the secretary-general of Beijing Membrane Society from 2005, and the council member of Aseanian Membrane Society from 2004. He was the chairman of the organization committee of the 3rd conferences of Aseanian Membrane Society in 2005 in Beijing China and the 8th conferences of Aseanian Membrane Society in 2014 in Xi'an China. He was one of congress chairmen of the 10th international congress on membranes and membrane processes (ICOM) in 2014 in Suzhou China.

TRACK



Gassan Hodaifa

Pablo de Olavide University, Spain

Biography:

Gassan Hodaifa is a Food Engineer (Albaath University, Syria), Chemical Engineer (Granada University, Spain) and Dr. by Jaén University (Spain) in the Doctoral Program: Biotechnology and Agricultural Engineering. His research began in the year 1997 with a Doctoral Scholarship to perform in Spain, has joined to the research group "Bioprocesses TEP-138" (Government of Andalusia) and he work in the research lines of Biotechnology of Microalgae, Industrial and Urban Wastewater Treatment, Chemical Oxidation, Membrane Technology and Adsorption processes. Participated in over 21 research projects (European, National, regional, and with companies), with which it has signed several contracts for research. As a result of this research activities has been published 40 articles in journals all included in JCR, 1 patent, 3 books, 24 book chapters, and has participated in 80 Congresses and Conferences.

TRACK



Adel O. Sharif

University of SUREEY, UK

Biography:

Adel Sharif is a Professor of Water Engineering and Process Innovation and Founder Director of the Centre for Osmosis Research and Applications, (CORA) at Surrey University, UK.He is the winner of the 2005 UK Royal Society Brian Mercer Senior Award for Innovation in Science and Technology. He is also the winner of the 2008 Science Business first pan-European Academic Enterprise Award in the category of Energy/Environment.He was awarded the Institute of Chemical Engineers 2011 Innovation and Excellence award in the Water Supply and Management category, and a runner up for the UK Water Industry Research Impact Awards 2015. In 2016 his water work was showed at the House of Commons. Prof. Sharif is a founder of Modern Water plc, a London Exchange AIM Market listed company specialized in desalination and renewable power generation. He obtained his first degree in Chemical Engineering followed by MSc and PhD from Swansea University. His research interests are in desalination, water treatment, membrane separation, and renewable energy.

TRACK

Membrane for Water & Wastewater



G.Arthanareeswaran

National Institute of Technology
Tiruchirappalli, India

Biography:

G.Arthanareeswaran graduated as a Chemical Engineer in India. He completed his Masters in petroleum refining and petrochemicals and defended his PhD thesis at Anna University, Chennai, India. Current research involves improving the performance of polymer membranes by mixing with inorganic micro particles and fillers by a mixed matrix method for ultrafiltration (UF) applications. Arthanareeswaran has received awards for research exchange including the Research exchange award from the Royal Academy of Engineering (RAE) London in 2010 and the Endeavour Executive award from Australian Government. He has been a Guest Editor of the Special Issue "Current development in wastewater treatment in India" to Desalination Journal. Arthanareeswaran has authored over 85 original articles in peer review

Conference Directory

September 13-14 | London, UK

Day 1: Opening Ceremony

• Registrations	Final attendance of the participants
• Introduction	Day 1 kicks off by Moderator's introductory speech
• Guest's Speak	Briefing the conference theme by Honorable Guest

Day 1 Sessions

• Keynote Bout	Talks covering the Theme of the Conference
• Coffee Break	Coffee and Candid shots of the Group
• Oral Session 1	Membrane Fouling Mechanisms | Membrane for Water & Wastewater
• Special Session	A exclusive Exhibitor hosted session/Workshop for effective B2B chance
• Luncheon	Networking over Lunch
• Oral Session 2	Separation Processes using Membranes | Gas and Vapor Separation
• Coffee Break	Post-lunch coffee break session for networking
• Oral Session 3	Case studies/General discussions

Day 2 Sessions

• Keynote Bout	Re-opening the day with Keynotes again
• Coffee Break	Coffee and Networking
• Oral Session 4	Separation Processes using Membranes | Ion exchange and electrically driven processes
• Luncheon	Networking over Lunch
• Oral Session 5	RO Membrane Reuse | New Membrane Materials and New Trends
• Coffee Break	Post-lunch coffee break session for networking
• Poster Session	Accepted Poster presentations

PROVISIONAL PROGRAM

Tentative Speakers

Title: Water treatment using membranes : desalination of brackish / sea waters or surface water treatment resources? Big size unit and isolated pilot ?

Maxime Pontié, Angers University, France

Biography: Maxime Pontié, born on March 14, 1968, in Montauban, France, is professor and works at the University of Angers since 2004. He has over 100 publications that have been cited over 100 times, and his publication H-index is 35 and has been serving as an editorial board member of reputed Journals.

Title: Seven deadly sins in membrane biofouling

Hans-Curt Flemming, Biofilm Centre, Germany

Biography: Hans-Curt Flemming Study of chemistry in Stuttgart and Freiburg, Scholarship of Fritz ter Meer-Stiftung, Heinrich-Hörlein-Award of the German Biological Society. He was Chair for Aquatic Microbiology, University of Duisburg; Member of the board of scientific directors of the IWW Centre for Water, Mülheim/Ruh.

Title: Dynamics of Hydrogen Permeation across mono- and bi-Layer Hollow Cylinders: Electrochemical and Gas-Phase Impedance Spectroscopy Analysis

Pierre MILLET, Paris-Sud University, France

Biography: P. Millet is an electrochemical engineer, Professor of physical-chemistry at the University of Paris-Sud. He is currently heading the “Laboratory of Research and Innovation in Electrochemistry for Energy applications”. He is the author of more than 150 research papers and book chapters and has presented over 150 oral communications at national and international conferences.

PROVISIONAL PROGRAM

Tentative Speakers

Title: Sustainable synthesis and separation with solvent-resistant membranes

Gyorgy Szekely, The University of Manchester, UK

Biography: He was a Research Associate working with Andrew Livingston on molecular level separations in Imperial College London, UK. He serves as an Academic Editor for the journal Advanced Materials Letters, the Secretary General for the Marie Curie Fellows Association, and a Member of the Royal Society of Chemistry.

Title: Flux-enhanced mixed matrix membranes (MMMs) containing graphene oxide and derivatives for membrane technology

Patricia Gorgojo, The University of Manchester, UK

Biography: Patricia Gorgojo is Lecturer of Chemical Engineering at The University of Manchester. More specifically her research focuses on the synthesis and characterization of layered materials such as graphene and derivatives for their application as membrane material.

Title: Membranes with CO2-selective transport channels

Michael D. Guiver, Tianjin University, China

Biography: Michael D. Guiver obtained his BSc (London University) and MSc (Carleton University) in Chemistry, and his PhD in Polymer Chemistry from Carleton University in 1988. He has been an Editor for the Journal of Membrane Science since 2009.

PROVISIONAL PROGRAM

Tentative Speakers

Title: Preparation and characterization of amphiphilic polyamide nanofiltration membrane with improved antifouling properties by two-step surface modification method

Congjie Gao, Zhejiang University of Technology, China

Biography: Prof. Congjie Gao is a Fellow of Chinese Academy of Engineering, and Dean of the School of Oceanic Science and Engineering at Zhejiang University of Technology.He has authored 4 books and ~400 papers in refereed journals.

Title: Three-Dimensional Network Structure Architecture via UV Irradiation in Canion Exchange Membranes for Electrodialysis Applications

Jiangnan Shen, Zhejiang University of Technology, China

Biography: Jiangnan Shen, professor, doctoral tutor, the deputy director in Center for Membrane Separation and Water Science & Technology at Zhejiang University of Technology. In recent years, he has published more than 40 papers in Environ

Title: A novel semi-aromatic polyamide TFC nanofiltion membrane

Lifen Liu, Zhejiang University of Technology, China

Biography: Prof. Lifen Liu has her expertise in research on the pressure-driven membranes including NF and RO, which focuses on 1) the development of new RO/NF membrane materials with advanced functional features such as antifouling (i.e., polyamide-urea), chlorine-tolerance (i.e., polyamide-urethane) and high flux without sacrificing salt rejection (i.e., TMAAM-based semi-aromatic material)

PROVISIONAL PROGRAM

Tentative Speakers

Title: Polymeric catalytic membrane reactors for efficient reactions applied to fine chemistry

Remigy, Toulouse University, France

Biography: Pr. JC Remigy lead the hollow fibre team at LGC. He works on polymeric membranes elaborations using the phase inversion technique or surface modifications applied to flat sheet or hollow fibre membranes. He has a strong experience in collaborative projects (fundamental or/and applied research) working with public researchers or industrials. He is also head of the master for physico-chemical processes applied to chemistry, environment and energy at the Paul Sabatier University.

Title: Mild heat treatment of a ceramic supported, ionic liquid membrane, for enhanced SO2/CO2 and CO2/N2 separation performance

Anastasios Labropoulos, National Center for Scientific Research “Demokritos", Greece

Biography: Dr. Anastasios Labropoulos has received his Chemistry Diploma from the Department of Chemistry, Aristotle University of Thessaloniki, Greece. His overall research activities in MESL laboratory have been focused on the fields of (i) membrane fabrication and optimization for separation of gas mixtures.

Title: 3DEEM FLUORESCENCE SPECTROSCOPY FOR ON-LINE MEMBRANE BIOREACTOR FOULING CONTROL

G. Lesage, Université de Montpellier, France

Biography: In 2012, Geoffroy became Associate Professor at the European Membrane Institute (IMemEau group, Membrane Engineering Department) at Montpellier University. He has published 26 articles in international journal (citations: 204, h index: 9, i10: 8), 2 book chapters and has presented his works in 64 national and international conferences and workshops (included 7 invited lectures).

PROVISIONAL PROGRAM

Tentative Speakers

Title: Nanostructured Polymer-Graphene Hybrid Coatings for Membrane Separations and Energy Applications

Michael Z. Hu, Oak Ridge National Laboratory, USA

Biography: Michael Hu is a chemical engineer and biochemical engineer by education, serving as a Senior Research Staff Member at the Oak Ridge National Laboratory. Dr. Hu has been the Principal Investigator and also served as the thermochemical pathway Team Lead for a multi-lab Separations Consortium program funded since 2017.

Title: Understanding Nanofiltration: A Molecular Separation with Nanometer Effects

Xiao-Lin WANG, Tsinghua University, P.R. China

Biography: Professor WANG has published more than 300 papers and taken out more than 20 patents. He was one of congress chairmen of the 10th international congress on membranes and membrane processes (ICOM) in 2014 in Suzhou China.

Title: Nanomembrane process for treatment and reuse dyes effluent from Al-Kut Textile Factory: Recent progress in fouling control

Hatem Asal Gzar, Wasit University, Iraq

Biography: He works as lecturer in Environmental Engineering Department for higher studies at University of Baghdad from January 1999 to October 2013. He works for about 15 years as a member in Environmental consultancy Bureau, Baghdad University, many researches and studies were achieved for many organizations and ministries in Iraq.

PROVISIONAL PROGRAM

Tentative Speakers

Title: Management of stormwater by ultrafiltration

Vandré Barbosa Brião, University of Passo Fundo - Brazil

Biography: Vandré Barbosa Brião is food engineering and Ph.D. in Chemical Engineering in membrane separation processes. As engineer, he was operator of a RO system for water desalination in a dairy industry. Professor at University of Passo Fundo since 2000, Mr. Brião has been researched MF/UF/NF/RO in food and water/wastewater applications.

Title: Application of Ultrafiltration for FGD Wastewater Polishing, Comparing Pilot to Full Scale

Russ Swerdfeger, Evoqua Water Technologies, USA

Biography: Russ Swerdfeger currently holds the role of Director of MEMCOR Product Management & Application Engineering for Evoqua Water Technologies. He has a Bachelor's of Science in Chemical Engineering form the Colorado School of Mines and a Master's in Business Administration from the University fo Denver. Over his 18 year Evoqua career he has held positions in R&D, sales, and process engineering. Russ sits on the Board of Directors for the American Membrane Technology Association serving since 2015.

Title: Photo-responsive ZnO polyamide (PA) thin film nanocomposite (TFN) membrane for water desalination

Ahmed Al Mayyahi, University of Basra, Iraq

Biography: Ahmed Al Mayyahi is a researcher and teaching assistant at the Department of Chemical Engineering, University of Basra-Iraq. He obtained MSc degree from College of Engineering, University of Missouri Columbia, USA. His research interests include nanomaterials and membrane technology for water treatment.

PROVISIONAL PROGRAM

Tentative Speakers

Title: Preparation and characterization of PVDF/reduced graphene oxide nanocomposite membranes for air gap membrane distillation

Ahmed Abdel-Karim, The University of Manchester, UK

Biography: Ahmed started his work at National Research Centre on October 2010. His research focuses on treatment of water/wastewater through fabricated microfiltration/ultrafiltration membranes having novel additives to overcome membrane fouling which impedes a faster growth of the membrane science.

Title: Towards preparation of chiral membranes based on ß-barrel proteins

T. Mirzaei Garakani, RWTH Aachen University, Germany

Biography: Tayebeh Mirzaei Garakani is working as project leader in group of Prof. Dr. Ulrich Schwaneberg and has her expertise in preparation and evaluation of protein-polymer hybrid membranes. A major part of her study is focused on ‘’Fabrication of Advanced Hybrid Functional Membranes’’ using channel Proteins.

Title: Gas separation through ethylene vinyl acetate(EVA)/Mg-Al layered double hydroxide nanocomposite membranes

Huang Nai-Yi, National Cheng Kung University, Taiwan

Biography: Huang Nai-Yi is a PhD student in National Cheng Kung University. He is majoring in chemical engineering and focusing on gas separation by using polymer composite membrane.

PROVISIONAL PROGRAM

Tentative Speakers

Title: Two-Dimensional Metal Carbides (MXenes) Membranes: New Frontiers for Water Treatment Applications

Khaled A. Mahmoud, Hamad Ben Khalifa University, Qatar

Biography: Dr. Khaled Mahmoud is Senior Scientist in Water Chemistry and Nanotechnology at the Qatar He is co-author of 46 peer-reviewed papers, 5 book chapters, 2 patents, and 3 patent applications.

Title: Hydroxyl-functionalized triptycene-based polyimide membrane for CO2 separation and reservoir reinjection for enhanced oil recovery processes

Fahd Alghunaimi, EXPEC Advanced Research Center, Saudi Arabia

Biography: He published more than eight (8) papers in reputed journals and now working for Saudi Aramco. His research interest is on membrane technology for natural gas separation, CO2 capturing, produced water treatment and seawater desalination.

Title: Preparation and characterization of TiO2-doped ZrO2 and nanofiltration membrane deposited on low-cost bentonite support for filtration of dyes and heavy metal solutions

Abdelmjid Bouazizi, University of Hassan II, Morocco

Biography: I am interested in research opportunities in ceramic membrane and membrane technologies. Additionally, I have contributed to the preparation and characterisation low-cost membranes based on geomaterials.

PROVISIONAL PROGRAM

Tentative Speakers

Title: Fabrication of mixed matrix membranes for wastewater reclamation

G.Arthanareeswaran, National Institute of Technology Tiruchirappalli, India

Biography: G.Arthanareeswaran graduated as a Chemical Engineer in India. Arthanareeswaran has authored over 85 original articles in peer review international journals and various book, book chapters in the field of Membrane science and technology and he presented his research findings in several international conferences.

Title: Anaerobic Membrane Biotechnology for Wastewater Treatment: Fouling Control and Energy Considerations

Muhammad Aslam, Inha University, South Korea

Biography: Dr. Muhammad Aslam has completed his Ph.D in Environmental Engineering at (SEMT). He has more than 40 papers including high impact factor peer reviewed journal papers and international conference papers/proceedings.

Title: Synthesis and characterization of high performance modified ZIF-8/Pebax 1657 mixed matrix membrane for CO2 separation

Reza Mosayebi, Petroleum University ofTechnology, Iran

Biography: Prof. Reza Mosayebi Behbahani is acting as an academic staff at the Petroleum University ofTechnology, Iran. He has actedas the Head of Gas Engineering Department for 7 years and as the Vice Chancellor in Planning of the Petroleum University of Technology for 4 years.

PROVISIONAL PROGRAM

Tentative Speakers

Title: Mesoporous materials are meso scale remedies for biofouling mitigation

Yasin Orooji, Nanjing Tech University, P.R. China

Biography: Yasin Orooji is an inventor and has a Nano biotech background. He is working with Dr. Amir Razmjou (UNESCO Centre for Membrane Science and Technology UNSW, who was the finalist of Eureka Prize, Australia, 2014).

Available Slots



To Avail the slots contact:

membranescience@annualconferences.org

To submit abstracts:

https://membranescience.conferenceseries.com/abstract-submission.php

Exciting Opportunity For The Young Researcher Mind!!!

Young scholars are not just new intros in the scientific community; rather are the up surging minds with huge potential to take the advances in the Membrane Science 2018 segment to a height a new.

We'd love to have these exceptional students speak and share their ideas for a major brain-storming session among themselves; attendees from education and industrial sectors.

Abstract Submission Link: **https://membranescience.conferenceseries.com/abstract-submission.php**

Be on the World's finest Membrane Science and Technology Technocrat Speakers' list!

Register now to grab this opportunity!

POSTER PRESENTATION

Put your thoughts on the canvas and showcase it to the participants. If you are looking forward to share your work with like-minded and similarly focussed people, then Poster would make a perfect path to join the heart of this conference.

YOUNG RESEARCHERS' FORUM

A very few students can hold on to the opportunity of giving an Oral Presentation along with those highly affiliated expert minds. Exceptional abstracts can grab this chance and exhibit their research verbally.

INDUSTRY REPRESENTATIVE

Communicate the ideas on behalf of your organization in the form of a scientific talk or be a delegate to proxy your company's attendance at the Meet.

INTERATIVE BOOTHS

Showcase the latest product or service of your industry. Book your booth and avail free passes to the conference sessions.

B2B and B2A SESSIONS

At the Membrane Science 2018 London, industries are welcome to display their products in the industrial exhibition, organise a symposium/workshop or benefit from many other sponsoring opportunities.

Experience the demonstration of finest ideas from best speakers of this field, meet with industry partners and customers, and examine recent market trends and opportunities- all over the luncheon and coffee break sessions.

Minimise this gap between the lab and the industry, meet your rivals and contemporary only at Membrane Science 2018 London

For details of the conference click: https://membranescience.conferenceseries.com/

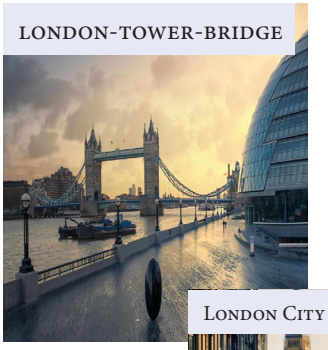
Sponsorship & Exhibiting Opportunities are open for benefits of and exposure among a diverse range of attendees at Membrane Science and Technology Conferences!!!

Being in London

London is a most imperative worldwide city, with qualities in expressions of the human experience, instruction, trade, stimulation. Innovative work, tourism, and transport all adding to its unmistakable quality it is one of the world's driving monetary focuses and world social capital. London is the world's most-gone to city as measured by universal appearances and has the world's significant city air terminal framework measured by traveler movement. London is the world's driving venture goal facilitating more. As indicated by the report London likewise positions first on the planet in media advancement and outline, programming and offers initially position in innovation preparation.

London is the capital and most crowded city of England and the United Kingdom. Remaining on the River Thames, London has been a noteworthy settlement for two centuries, its history backpedaling to its establishing by the Romans. The London Eye is a giant Ferris wheel sited on the edge of the River Thames. A short leave, the range gloats the London Aquarium the Shard, opened a watching stage to the general population. Other significant vacation destinations in London incorporate the Buckingham Palace, Tower of London , Tower Bridge Experience, Madame Tussauds, London Dungeon, ZSL London Zoo and St Paul's Cathedral.

London 2018


LONDON-TOWER-BRIDGE


Big Ben

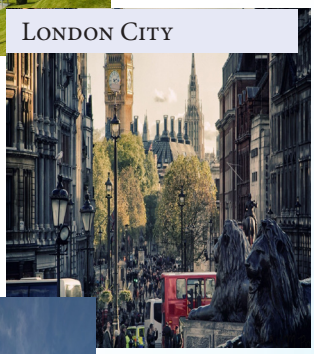

Buckingham-Palace


London City


Kensington Palace


Trafalgar-Square


London Eye


London City


London Museum


Natural History Museum

For Early Bird Confirmations

Membrane Science2018 London

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