



## Programme

### Wednesday 11th December 2024

Venue: Guildhall, Bath

16:00-18:20 Skin@Bath Conference

Venue: Victoria Art Gallery Museum, Bath

18:30-19:30 Welcome Drink Reception

For registered attendees only; not for sponsors. Please book in advance.

### Thursday 12th December 2024

Venue: Guildhall, Bath

8:00-18:00 Skin@Bath Conference

18:00-19:00 Drinks Reception

For registered attendees only; not for sponsors. Please book in advance.

19:00-22:00 Banquet Dinner

For registered attendees only; not for sponsors. Please book in advance.

### Friday 13th December 2024

Venue: Guildhall, Bath

8:00-18:00 Skin@Bath Conference

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**Wednesday 11th December 2024**  
**Venue: Guildhall, Bath**

**16:00-16:30 Registration**

**16:30-18:20 Centre for Therapeutic Innovation (CTI) Showcase**

Chair: Charareh Pourzand, Director of Innovation, CTI

16:30 **Welcome Note**

Duncan Q. M. Craig; Dean, Faculty of Sciences, University of Bath, Bath, UK; Email: [dqmc21@bath.ac.uk](mailto:dqmc21@bath.ac.uk)

16:35 **Precision Medicine.**

Banafshe Larijani – Director, Centre for therapeutic Innovation; University of Bath, Bath, UK; Email: [bl666@bath.ac.uk](mailto:bl666@bath.ac.uk)

16:50 **Reducing dependency on hospital-based care and improving primary care sustainability.**

Adrian Chamberlain – Consultant in primary health care strategy and Operations Director of Berkshire West Primary Care Alliance.; Email: [Adrian.chamberlain@bath.edu](mailto:Adrian.chamberlain@bath.edu)

17:15 **Hypoxia and Tumour microenvironment.**

Alan McIntyre – Biodiscovery Institute, Centre for Cancer Sciences, School of Medicine, University of Nottingham, Nottingham, UK; Email: [Alan.McIntyre@nottingham.ac.uk](mailto:Alan.McIntyre@nottingham.ac.uk)

**17:40-18:25 China-UK Skin Consortium Showcase**

**Innovations in health and diseases: Bridging Skin Disorders, Wound Healing, and Tissue Regeneration**

Chair: Charareh Pourzand (UK lead for *China-UK Skin Consortium*)

17:40 **China-UK Skin Consortium, past, present and future**

Julia Li Zhong, China co-Lead for China-UK Skin Consortium, The 111 Project Laboratory of Biomechanics and Tissue Repair & Key Laboratory of Biorheological Science and Technology of Ministry of Education, College of Bioengineering, Chongqing University, Chongqing 400044, China. Email: [jlzhong@cqu.edu.cn](mailto:jlzhong@cqu.edu.cn)

17:50 **Targeting Ferroptosis for the development of novel therapeutics in health and Diseases**

Fudi Wang, China co-Lead for China-UK Skin Consortium, The First Affiliated Hospital, Institute of Translational Medicine, The Second Affiliated Hospital, School of Public Health, Cancer Center, State Key Laboratory of Experimental Hematology, Zhejiang University School of Medicine, Hangzhou, China; Email: [fwang@zju.edu.cn](mailto:fwang@zju.edu.cn)

18:15 **In-situ Fluorescence Imaging of oxidative stress-associated Bioactive Molecules**

Ping Li, Changjiang Scholar Distinguished Professor of the Ministry of Education, College of Chemistry, Chemical Engineering and Materials Science, Collaborative Innovation Center of Functionalized Probes for Chemical Imaging in Universities of Shandong, Key Laboratory of Molecular and Nano Probes, Ministry of Education, Institutes of Biomedical Sciences, Shandong Normal University, Jinan, Shandong, China; College of Chemistry and Chemical Engineering, Northwest Normal University, Lanzhou, China; Email: [lip@sdnu.edu.cn](mailto:lip@sdnu.edu.cn)

**Venue: Victoria Art Gallery Museum, Bath**

**18.30-19.30 Welcome Drink Reception**

For registered attendees only; not for sponsors



**Thursday 12th December 2024**

**Venue: The Guildhall, Bath**

**8:00-8:30 Registration and Tea/Coffee**

<b>8:30- 9:00</b>	<b>Welcome Speeches</b> - Chair: Charareh Pourzand
8:30	<u>Caoimhe Fahy</u> , <u>Tian Cui</u> , <u>William Tillett</u> and <u>Charareh Pourzand</u> , Skin@Bath Organisers
8:40	<u>Philip J. Ingham</u> , Head of Life Sciences Department, University of Bath
8:50	<u>Celia Mead</u> , Director of Bath Institute for Rheumatic Diseases

<b>9:00-10:40</b>	<b>Plenary Session I</b> - Chair: Caoimhe Fahy & Julia Li Zhong (20 min talk + 5 min Q&A)
9:00	<b>PHOTOSENSITIVITY AND PHOTODIAGNOSTICS.</b> <u>Sally Ibbotson</u> , School of Medicine, University of Dundee, Scotland, UK; Email: <a href="mailto:s.h.ibbotson@dundee.ac.uk">s.h.ibbotson@dundee.ac.uk</a>
9:25	<b>ENDOGENOUS PHOTOSENSITIZERS IN HUMAN SKIN.</b> <u>Mauricio da Silva Baptista</u> , Institute of Biochemistry, University of Sao Paulo, Brazil; Email: <a href="mailto:baptista@iq.usp.br">baptista@iq.usp.br</a>
9:50	<b>SUNLIGHT: TIME FOR A RETHINK?</b> <u>Richard Weller</u> , Department of Dermatology, The University of Edinburgh, UK; Email: <a href="mailto:richard.weller@ed.ac.uk">richard.weller@ed.ac.uk</a>
10:15	<b>SKIN OXINFLAMMATORY RESPONSES TO ENVIRONMENTAL POLLUTION.</b> <u>Giuseppe Valacchi</u> , Plants for Human Health Institute, NC Research Campus, NC State University, Kannapolis, North Carolina, USA; Email: <a href="mailto:gvalacc@ncsu.edu">gvalacc@ncsu.edu</a>

**10:40-11:00 Tea/Coffee Break**

**Concurrent session I: Main Hall**

<b>11:00- 12:20</b>	<b>Skin inflammation</b> Chairs: W. Tillett, S. Anjomani-Virmouni (Presentation times include 5 min Q&A)
11:00	<b>AN UPDATE ON TOPICAL THERAPIES FOR PSORIASIS.</b> <u>Brian Kirby</u> , St Vincent's University Hospital, Charles Institute of Dermatology, University College Dublin, Ireland; Email: <a href="mailto:bkirby@svhg.ie">bkirby@svhg.ie</a>
11:25	<b>PSORIATIC ARTHRITIS – PAST, PRESENT AND FUTURE.</b> <u>Will Tillett</u> , Royal National Hospital for Rheumatic Diseases Bath UK, Department Life Sciences, Centre for Therapeutic Innovation, University of Bath, UK; Email: <a href="mailto:cwrt20@bath.ac.uk">cwrt20@bath.ac.uk</a>
11:40	<b>SOCIAL, DISEASE, AND DIAGNOSTIC FACTORS ASSOCIATED WITH DIAGNOSTIC DELAYS IN DERMATO-MYOSITIS: A RETROSPECTIVE COHORT STUDY.</b> <u>David R Pearson</u> , Department of Dermatology, University of Minnesota, Minneapolis, US; Email: <a href="mailto:pearsond@umn.edu">pearsond@umn.edu</a>
12:00	<b>ASSESSING THE SENSITIVITY AND SPECIFICITY OF MYOSITIS-SPECIFIC AND ASSOCIATED AUTOANTIBODIES: A SUB-STUDY FROM THE MYOCYTE COHORT.</b> <u>Sarah Tansley</u> , Royal National Hospital for Rheumatic Diseases, Royal United Hospitals Bath NHS Foundation Trust; Department of Life Sciences, University of Bath, UK; Email: <a href="mailto:slt32@bath.ac.uk">slt32@bath.ac.uk</a>

**Concurrent session II: Brunswick room**

<b>11:00- 12:20</b>	<b>Skin Integrity and Wound Healing</b> Chair: Tian Cui (Presentation times include 5 min Q&A)
11:00	<b>SKIN CARE, IN RELATION TO BACTERIAL UREASE INHIBITION BY WATERCRESS EXTRACTS.</b> <u>Paul Winyard</u> , Watercress Research Limited, Exeter, UK; Email: <a href="mailto:p.g.winyard@exeter.ac.uk">p.g.winyard@exeter.ac.uk</a>
11:20	<b>THE COMPLEX MICROBIOLOGY WHICH UNDERPINS THE PATHOGENESIS OF INCONTINENCE ASSOCIATED DERMATITIS.</b> <u>Andrew Toby A Jenkins</u> , Department of Chemistry, University of Bath, Bath, UK; Email: <a href="mailto:chsataj@bath.ac.uk">chsataj@bath.ac.uk</a>
11:40	<b>POLYAMINES: CRITICAL REGULATORS OF WOUND HEALING.</b> <u>Leah Vardy</u> , A*STAR Skin Research Labs, Immunos, Singapore; Email: <a href="mailto:leah_vardy@asrl.a-star.edu.sg">leah_vardy@asrl.a-star.edu.sg</a>
12:00	<b>EPIDERMAL OR DERMAL COLLAGEN VII IS SUFFICIENT FOR SKIN INTEGRITY: INSIGHTS TO ANCHORING FIBRIL HOMEOSTASIS.</b> <u>Alexander Nyström</u> , Department of Dermatology, Faculty of Medicine and Medical Center, University of Freiburg, Germany; Email: <a href="mailto:alexander.nystroem@uniklinik-freiburg.de">alexander.nystroem@uniklinik-freiburg.de</a>

**12:20-14:30 Lunch Break & Poster Presentation****Concurrent Lunch session III: Brunswick room**

**13:10-14:30 Iron Dyshomeostasis and Skin**  
Chairs: L. Arbibe & S. Anjomani-Virmouni  
(Presentation times include 5 min Q&A)

- 13:10 **ROLE OF THE IRON-REGULATORY HORMONE HEPcidIN IN INFECTIOUS AND INFLAMMATORY DISEASES.** Carole Peyssonnaux, Institut Cochin, Université Paris Cité, Paris, France; Email: [carole.peyssonnaux@inserm.fr](mailto:carole.peyssonnaux@inserm.fr)
- 13:30 **ESCAPING CELL DEATH: IRON METABOLISM AND FERROPTOSIS IN SYSTEMIC SCLEROSIS.** Verena Raker, University Hospital, Munster, Germany; Email: [verena.raker@ukmuenster.de](mailto:verena.raker@ukmuenster.de)

**Selected Oral Presentations**  
(8 min talk + 2 min Q&A)

- 13:50 **NATURAL IRON CHELATORS FOR SKIN PHOTOPROTECTION.** Batool Albadaineh, Department of Life Sciences, University of Bath, Bath, UK; Email: [bma45@bath.ac.uk](mailto:bma45@bath.ac.uk)
- 14:00 **ROLE OF CUTANEOUS HEPcidIN IN CHRONIC GRAFT-VERSUS-HOST DISEASE** Doha Chrayteh, Université Paris Cité, CNRS, INSERM, Institut Cochin, Paris, France; Email: [doha.chrayteh@inserm.fr](mailto:doha.chrayteh@inserm.fr)
- 14:10 **BLETILLA STRIATA POLYSACCHARIDE MITIGATES UVA-INDUCED SKIN DAMAGE BY TARGETING FERROPTOSIS MEDICATED BY NRF2 SINGLING PATHWAY** Wang Mei, Immunology Translational Research Program, Yong Loo Lin School of Medicine, National University of Singapore, Singapore; Email: [wangmei@zmu.edu.cn](mailto:wangmei@zmu.edu.cn)
- 14:20 **EVALUATION OF ANTIOXIDANT AND ANTI-INFLAMMATORY EFFECTS OF A NANOFORMULATION DERIVED FROM ANNURCA APPLE CALLUS EXTRACT IN AN IN VITRO MODEL OF FERROPTOSIS.** Laura Taramova, Centre for Nutraceuticals, School of Life Sciences, University of Westminster, London, UK; Email: [georgieteme@gmail.com](mailto:georgieteme@gmail.com)

**Concurrent Lunch session IV: Council Chamber**

**13:10-14:30 Pharmaceutical Technologies and Therapeutic Approaches**  
Chairs: N. Fotaki (Presentation include 5 min Q&A)

- 13:10 **MIMICKING SUN EXPOSURE WITH A NOVEL TRANSDERMAL VITAMIN D SUPPLEMENT: A FOCUS ON LOCAL KERATINOCYTE AND SYSTEMIC PRODUCTION OF THE VITAMIN D BINDING PROTEIN.** Stuart Jones, Institute of Pharmaceutical Science, King's College London, UK; Email: [stuart.jones@kcl.ac.uk](mailto:stuart.jones@kcl.ac.uk)
- 13:30 **BREAKING DOWN DERMATOPHYTES: THE POTENTIAL OF HYDROGEN SULPHIDE AGAINST FUNGAL NAIL PATHOGENS;** Albert Bolhuis, Department of Life Sciences, University of Bath, UK; Email: [ab366@bath.ac.uk](mailto:ab366@bath.ac.uk)

**Selected Oral Presentations**  
(8 min talk + 2 min Q&A)

- 13:50 **NON-INVASIVE MULTIAxIAL SKIN STRETCHING TO EXTRACT INTERSTITIAL FLUID BIOMARKERS** K. P. Lawrence, Institute of Pharmaceutical Sciences, School of Cancer and Pharmaceutical Sciences, King's College London, London, UK; Email: [karl.1.lawrence@kcl.ac.uk](mailto:karl.1.lawrence@kcl.ac.uk)
- 14:00 **MULTIFUNCTIONAL SURROGATE TO EX VIVO AND IN VIVO TISSUES.** Pooyan Makvandi, The Quzhou Affiliated Hospital of Wenzhou Medical University, Quzhou People's Hospital, China; Email: [pooyanmakvandi@gmail.com](mailto:pooyanmakvandi@gmail.com)
- 14:10 **THE MECHANISM OF HORMONE METABOLISM IN PULMONARY VASCULAR AND EPITHELIAL HYPERPLASIA AND A POTENTIAL CORDYCEPS' ERGOSTEROL THERAPY** Yujiao Chen, Department of Physiology, Zhejiang University School of Medicine, Hangzhou, China; Email: [chenyujiao623198@126.com](mailto:chenyujiao623198@126.com)
- 14:20 **INHIBITION OF CUTANEOUS INFLAMMATION BY SALVIA SPECIES** Mayadah B. Shehadeh, Department of Pharmaceutical Sciences, Faculty of Pharmacy, The University of Jordan, Amman, Jordan; Email: [m.shehadeh@ju.edu.jo](mailto:m.shehadeh@ju.edu.jo)

<b>14:35-15:30</b>	<b>Plenary Session II - Non melanoma Skin cancer</b> Chair: Gernot Walko (Presentation times include 5 min Q&A)
14:35	<b>UNDERSTANDING MULTIPLE FUNCTIONS OF AKT SIGNALLING IN SKIN CANCER.</b> <u>Ryan O'Shaughnessy</u> , Centre for Cell biology and Cutaneous Research, Blizard Institute, Barts and The London School of medicine and Dentistry, Queen Mary University of London, UK; Email: <a href="mailto:r.f.l.oshaughnessy@qmul.ac.uk">r.f.l.oshaughnessy@qmul.ac.uk</a>
14:55	<b>REGULATION OF GENE EXPRESSION BY ADHESION PROTEINS IN CUTANEOUS SQUAMOUS CELL CARCINOMA CELLS.</b> <u>Adam Byron</u> , School of Biological Sciences, Faculty of Biology, Medicine and Health, University of Manchester, UK; Email: <a href="mailto:adam.byron@manchester.ac.uk">adam.byron@manchester.ac.uk</a>
15:15	<b>TARGETING THE HIPPO/YAP/TAZ SIGNALLING</b> <u>Gernot Walko</u> , Centre for Oral Immunobiology and Regenerative Medicine and the Bart's Centre for Squamous Cancer, London, UK; Email: <a href="mailto:gw594@bath.ac.uk">gw594@bath.ac.uk</a>

**15:30-15:50 Tea/Coffee Break**

<b>15:50-16:50</b>	<b>Melanoma</b> Chair: Banafshe Larijani (Presentation times include 5 min Q&A)
15:50	<b>NEOADJUVANT INTRALESIONAL THERAPY FOR HIGH RISK STAGE II MELANOMA.</b> <u>Amanda Kirane</u> , Department of Surgery, Section of Surgical Oncology, Stanford, University School of Medicine, Stanford, USA; Email: <a href="mailto:akirane@stanford.edu">akirane@stanford.edu</a>
16:10	<b>RAPID DETERMINATION OF DRUG RESISTANCE IN MELANOMA USING MACHINE LEARNING AND RAMAN SPECTROSCOPY.</b> <u>Jennifer Dionne</u> , Department of Materials Science and Engineering, Stanford University, USA; Email: <a href="mailto:jdionne@stanford.edu">jdionne@stanford.edu</a>
16:30	<b>MEMBRANE TRAFFICKING SUBVERSION IN CUTANEOUS MELANOMA PROGRESSION.</b> <u>Duarte Barral</u> , iNOVA4Health, NOVA Medical School, Faculdade de Ciências Médicas, NMS, FCM, Universidade NOVA de Lisboa, 1169-056 Lisboa, Portugal; Email: <a href="mailto:duarte.barral@nms.unl.pt">duarte.barral@nms.unl.pt</a>

<b>16:50 -18:00</b>	<b>Session V: Biosensing and bioengineering in health &amp; disease</b> Chairs: Tian Cui and Ian White (Presentation times include 5 min Q&A)
16:50	<b>MECHANISM OF PHYSIOLOGICAL SPACE IN THE HUMAN BODY ON SKIN METABOLISM AND THERAPY OF SKIN DISEASES.</b> <u>Kezhen Zhang</u> , Tai Ji Tang TCM Hospital, Beijing, China; Email: <a href="mailto:zkz6688@163.com">zkz6688@163.com</a>
17:15	<b>HIGH CAPACITY OPTICAL WIRELESS VCSEL ARRAY TRANSMITTER WITH UNIFORM COVERAGE.</b> <u>Ian White</u> , Department of Mechanical Engineering, University of Bath; Email: <a href="mailto:ihw27@bath.ac.uk">ihw27@bath.ac.uk</a>
17:40	<b>MICROSYSTEMS FOR HEALTHCARE AND LIFE SCIENCES.</b> <u>Tian Cui</u> , Department of Electronic & Electrical Engineering, University of Bath, Bath, UK and College of Science and Engineering, University of Minnesota, USA; Email: <a href="mailto:tc2299@bath.ac.uk">tc2299@bath.ac.uk</a>

<b>18:00-18:15</b>	<b>Welcome Speech</b> Chair: Charareh Pourzand <u>Sarah Hainsworth</u> , Pro-Vice-Chancellor (Research & Enterprise), University of Bath
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**18:15-19:00 Drinks Reception** For registered attendees only; not for sponsors. Please book in advance.

**19:00-22:00 Banquet Dinner** For registered attendees only; not for sponsors. Please book in advance.



**Friday 13th December 2024**

**Venue: The Guildhall, Bath**

**8:00-8:15 Registration and Tea/Coffee**

**8:15-10:20 Plenary Session VI: Understanding aging, photoaging, sunlight and environment**

Chairs: Julia Li Zhong and Antony Young  
(Presentation times include 5 min Q&A)

- 8:15 **MICROPLASTICS; A GLOBAL PROBLEM THAT IS POORLY UNDERSTOOD.** Antony Young, Institute of Pharmaceutical Science, King's College London, London, UK; Email: [antony.young@kcl.ac.uk](mailto:antony.young@kcl.ac.uk)
- 8:40 **CHRONOLOGICAL AGING IMPACTS ABUNDANCE, FUNCTION AND MICRORNA CONTENT OF EXTRACELLULAR VESICLES PRODUCED BY HUMAN EPIDERMAL KERATINOCYTES.** Jerome Lamartine, Skin Functional Integrity group, Laboratory for Tissue Biology and Therapeutics Engineering (LBTI) CNRS UMR5305, University of Lyon, France; Email: [jerome.lamartine@univ-lyon1.fr](mailto:jerome.lamartine@univ-lyon1.fr)
- 9:05 **WHY THE SKIN OF NAKED-MOLE RATS DOES NOT SEEM TO DETERIORATE WITH AGE: THE ROLE OF STEM CELLS.** Romain Fontaine, Institut Cochin, Université Paris Cité; Email: [romain.fontaine@inserm.fr](mailto:romain.fontaine@inserm.fr)
- 9:30 **ETHNIC SKIN PHOTOPROTECTION.** Paul Matts, The Procter & Gamble Company, Reading, Berkshire, UK; Email: [mattsfamily@ntlworld.com](mailto:mattsfamily@ntlworld.com)

**9:55-10:15 Tea/Coffee Break**

**Concurrent session V: Main Hall**

- 10:15-12:00 Managing Skin/Nail conditions & disorders**  
Chair: Steve Ward (Presentation times include 5 min Q&A)
- 10:15 **NON-CANONICAL NF-κB Signalling In CYLD CUTANEOUS SYNDROME.** Neil Rajan, Newcastle University Medical School Dermatological Sciences, Newcastle upon Tyne, UK; Email: [neil.rajan@newcastle.ac.uk](mailto:neil.rajan@newcastle.ac.uk)
- 10:35 **CAN WE PREVENT PsA?** Laura C Coates, Nuffield Department of Orthopaedics, Rheumatology and Musculoskeletal Sciences, Botnar Research Centre, University of Oxford, UK; Email: [laura.coates@ndorms.ox.ac.uk](mailto:laura.coates@ndorms.ox.ac.uk)
- 10:55 **TWIN PRIME EDITING MEDIATED EXON SKIPPING/REINSERTION FOR RESTORED COLLAGEN VII EXPRESSION IN RECESSIVE DYSTROPHIC EPIDERMOLYSIS BULLOSA.** Mark J Osborn, Department of Pediatrics, Division of Blood and Marrow Transplant

**Concurrent session VI: Brunswick room**

- 10:15-11:55 Hot topics epidermal barrier/transdermal delivery**  
Chair: Rex Tyrrell (Presentation times include 5 min Q&A)
- 10:15 **BIOACTIVE LIPIDS OF THE EPIDERMAL BARRIER.** Anna Nicolaou, Laboratory of Lipidomics and Lipid Biology, Division of Pharmacy and Optometry & Lydia Becker Institute of Immunology and Inflammation, Faculty of Biology Medicine and health, The University of Manchester, Manchester, UK; Email: [anna.nicolaou@manchester.ac.uk](mailto:anna.nicolaou@manchester.ac.uk)
- 10:35 **TRANSDERMAL DIAGNOSTICS – TOWARDS NEEDLE FREE HEALTH MONITORING.** Richard Guy, Department of Life Sciences, University of Bath, Bath, UK; Email: [prsrhg@bath.ac.uk](mailto:prsrhg@bath.ac.uk)
- 10:55 **IN SILICO PREDICTIONS, REAL-WORLD RESULTS: UTILISING PBPCK MODELLING TO ASSESS SKIN ABSORPTION OF UV FILTERS.** Alice Tabosa, Certara, UK; Email: [alice.tabosa@certara.com](mailto:alice.tabosa@certara.com)
- 11:15 **TRANSDERMAL DELIVERY OF MITRAGYNE: POTENTIALS AND**

and Cellular Therapy, University of Minnesota, Minneapolis, MN, USA; Email: [osbor026@umn.edu](mailto:osbor026@umn.edu)

11:15

**PRECISION IMMUNOMEDICINE FOR SYSTEMIC LUPUS ERYTHEMATOSUS.**

Michael Ehrenstein, Department of Rheumatology, University College London, UK; Email: [m.ehrenstein@ucl.ac.uk](mailto:m.ehrenstein@ucl.ac.uk)

11:40

**TRENDS IN SENSITISATION TO COSMETIC INGREDIENTS IN THE U.K. IN THE LAST TWO DECADES.**

Diedre Buckley, Sulis Hospital, Bath, UK; Email: [drdabuckley@gmail.com](mailto:drdabuckley@gmail.com)

**CHALLENGES** Goh Choon Fu, School of Pharmaceutical Sciences, Universiti Sains Malaysia, Minden, Penang, Malaysia; Email: [choonfugoh@usm.my](mailto:choonfugoh@usm.my)

**Selected Oral Presentation**

**(8 min talk + 2 min Q&A)**

11:35

**ELECTROCHEMICAL IMPEDANCE MEASUREMENT OF SKIN BARRIER FUNCTION.**

Krystal Le Doaré, Department of Life Sciences, University of Bath, UK; Email: [karld20@bath.ac.uk](mailto:karld20@bath.ac.uk)

11:45

**ASSESSMENT OF MICRONEEDLE ARRAY INSERTION INTO SKIN USING RAMAN SPECTROSCOPIC TECHNIQUES.**

R. Jamaledin, Department of Life Sciences, University of Bath, UK; Email: [rj832@bath.ac.uk](mailto:rj832@bath.ac.uk)

**12:00-13:15 Lunch Break & Poster Presentation**

**13:15-13:55 Plenary Session V: Natural Products Chair: Nikoletta Fotaki (Presentation times include 5 min Q&A)**

13:15 **A METABOLOMIC APPROACH TO INVESTIGATE THE EFFECT OF PHYTONUTRIENTS ON PROTEOSTASIS AND METABOLIC PATHWAYS IN DROSOPHILA MELANOGASTER**

Maria Halabalaki, Division of Pharmacognosy and Natural Products Chemistry, Department of Pharmacy, National and Kapodistrian University of Athens, Panepistimiopolis Zografou, Greece; Email: [mariahal@pharm.uoa.gr](mailto:mariahal@pharm.uoa.gr)

13:35 **WHAT IS CHINESE HERBAL MEDICINE?**

Tony Harrison, Registrar of Chinese Herbal Medicine, Chinese Herb Garden Coordinator, Bristol, UK; Email: [ecologhealth19@gmail.com](mailto:ecologhealth19@gmail.com)

**13:55-16:05 Plenary Session VI: Skin, microbiome & inflammation**

Chairs: Steve Ward & Faiza Benaouda  
(Presentation times include 5 min Q&A)

13:55 **HOST-MICROBE INTERACTIONS IN HEALTH AND DISEASES.** John E.A. Common, A\*STAR Skin Research Laboratory, Agency for Science, Technology and Research (A\*STAR), Singapore, Singapore; Skin Research Institute of Singapore, Singapore Paediatric & Population-Based Dermatology Research, St John's Institute of Dermatology, King's College London, UK; Email: [john\\_common@asrl.a-star.edu.sg](mailto:john_common@asrl.a-star.edu.sg)

14:15 **THE SKIN MICROBIOME IN ATOPIC DERMATITIS.** Helen Alexander, St John's Institute of Dermatology, King's College London, UK; Email: [helen.2.alexander@kcl.ac.uk](mailto:helen.2.alexander@kcl.ac.uk)



14:35 **THE SKIN AND INFLAMMAGING- UNDERSTANDING THE LINK BETWEEN SKIN CELL SENESCENCE AND EPIDERMAL DYSFUNCTION.** Faiza Benaouda, Institute of Pharmaceutical Science, King's College London, UK; Email: [faiza.1.benaouda@kcl.ac.uk](mailto:faiza.1.benaouda@kcl.ac.uk)

**INFLAMMASOMES IN SKIN DISEASES**

14:55 Mario D. Cordero, Departamento de Biología Molecular e Ingeniería Bioquímica, Universidad Pablo de Olavide, Seville, Spain; Email: [mdcormor1@upo.es](mailto:mdcormor1@upo.es)

15:15 **UNDERSTANDING PYODERMA GANGRENOSUM: REVIEW AND ASSESSMENT OF DISEASE EFFECTS**  
Kave Shams, Inflammatory Skin Disease Group, Institute of Rheumatic and Musculoskeletal Medicine, University of Leeds, Leeds, United Kingdom; Email: [k.shams@leeds.ac.uk](mailto:k.shams@leeds.ac.uk)

15:35 **SPEEDY AND SENSITIVE DETECTION OF STAPHYLOCOCCUS AUREUS INFECTIONS USING A COLORIMETRIC MAGNETIC BEADS-BASED NANOZYME BIOSENSOR** Ghadeer Suaifan, Department of Pharmaceutical Sciences, University of Jordan, Amman, Jordan; Email: [ghadeer\\_petra@yahoo.com](mailto:ghadeer_petra@yahoo.com)

**15:55-16:15 Tea/Coffee Break**

**16:15-16:40 State of the art Lecture:** Chair: Rex Tyrrell  
(Presentation time include 5 min Q&A)

**MITOCHONDRIA: THE REVERSIBLE REGULATORS OF AGING SKIN.** Keshav K. Singh, Joy and Bill Harbert Endowed Chair; Professor of Genetics I Pathology I Dermatology I Environmental Health; Department of Genetics I Heersink School of Medicine I The University of Alabama at Birmingham I Birmingham I Alabama; Email: [kksingh@uab.edu](mailto:kksingh@uab.edu)

**16:40 -17:30 Plenary Session VI: Industry Sponsored Talks** Chair: Nikoletta Fotaki  
(Presentation times include 5 min Q&A)

16:40 **Industrial talk I**

Dr Allison Maher, Medical Science Liaison, Sanofi, Reading, Berkshire, UK;  
Email: [Allison.Maher@sanofi.com](mailto:Allison.Maher@sanofi.com)

17:05 **Industrial talk II**

Dr Michael Connelley, Ten-bio Ltd, Email: [michael.conneely@ten-bio.com](mailto:michael.conneely@ten-bio.com)

**17:30-17:40 Final Speech:** Local MP, Wera Hobhouse; Chair : Celia Mead

**17:40-18:00 Final Acknowledgements & Prize awards for Best Poster & Oral Presentation Prize Draw:**  
Tian Cui and Charareh Pourzand