3rd UK SPACE MEDICINE DAY

Saturday 30th September -
Sunday 1st October, 2006

National Space Centre, Leicester

Annual Meeting of the
UK Space Biomedicine Group

Supported by the Aerospace Medicine Association
And Space Medicine Association

CME/CPD Credits Awarded

REGISTRATION INFORMATION

NAME ...........................................................................................................................................
ADDRESS ....................................................................................................................................
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D.O.B. ...........................................................................................................................................
PHONE .........................................................................................................................................
E-MAIL .........................................................................................................................................

In order to help organise future events, we would be grateful if you could answer the following two questions. Thank you.

What is your job/area of study?
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Where did you hear about this meeting?
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Fees include lunch and coffee breaks, and free admission to the National Space Centre.
2 Day Admission: £145 (£75 students) ☐
1 Day Admission: £99 (£50 students) ☐

If 1 Day Admission, please circle day you wish to attend:
SATURDAY ☐
SUNDAY ☐

Do you wish to come along to the conference dinner on Saturday night?
YES/NO

I enclose a cheque payable to ‘UK SPACE MEDICINE’.

Signed: ...........................................................................................................................................

Please return this form to:

Dr Alyson Calder
Flat 3/1
8 Caird Drive
Glasgow
G11 5DS

alysoncalder@doctors.org.uk
SATURDAY 30th SEPTEMBER

0800 - 0845  Registration
0845 - 0900  Welcome, Dr Alyson Calder, Conference Organiser

PANEL 1: SPACE MEDICINE ACTIVITIES
Chair: Dr Patrick McGee

0900 - 0930  Space Medicine in the UK
Dr Kevin Fong BSc MBBS MRCP FRCA
Anaesthetist, Honorary Space Physiology Lecturer, Co-Director Centre for Aviation and Space Medicine, University College London

0930 - 1000  Space Medicine Support of European Astronauts
Dr Simon N Evetts BA (Hons) MSc PhD, Space Medicine Advanced Projects Lead, Wyle Laboratories GmbH, European Astronaut Centre, Germany

1000 - 1015  Questions and Discussion
1015 - 1045 COFFEE

PANEL 2: FLUIDS IN MICROGRAVITY
Chair: TBA

1045 - 1115  Posture, pressure and pore size: Standing up to gravity
Dr Frank Prior, Director, The Osmosis Unit, Longniddry, Scotland and Dr Richard JE Skipworth BSc (Hons) MBChB MRCSEd, Clinical Research Fellow, Tissue Injury & Repair Group, University of Edinburgh

1115 - 1145  Intravenous Fluids in Space: an Update on British work with NASA
Dr Victoria Wykes MBBS PhD BSc, FY2 Neurology, Queens Square and Royal Free Hospital, London. Centre for Aviation and Space Medicine, University College London.

1145 - 1200  Questions and Discussion
1200 - 1330 LUNCH, NATIONAL SPACE CENTRE VISIT

PANEL 3: INTERNATIONAL SPACE MEDICINE OPPORTUNITIES
Chair: Dr Vishal Nangalia

1330 - 1430  Panel on international activities and opportunities in space medicine.
A Troubled Sleep- The Flight of CASPER Aboard the ISS
Dr Marc O Grafia
Further international speakers to be announced.

1430 - 1445  Questions and Discussion
1445 - 1515 COFFEE

PANEL 4: SPACE RESEARCH TOPICS
Chair: TBA

1515 - 1545  Space Radiation Research at NASA-KSC
Dr Phil Scarpa MD MS, Medical Operations Manager, NASA-Kennedy Space Center, Florida

1545 - 1615  Musculoskeletal adaptations to disuse and ageing
Dr Marco V. Narici
Institute for Biophysical and Clinical Research into Human Movement, Manchester Metropolitan University

1615 - 1700  Questions and Discussion
1700  CLOSE

Evening  Conference Dinner
SUNDAY 1st OCTOBER

PANEL 5: FUTURE SPACE ISSUES
Chair: Dr Ben Douglas

0900 - 0930 “Doctor/Geomicrobiologist required” - A new type of job spec for a Space-faring society?
Professor Charles Cockell, Professor of Microbiology, Planetary and Space Sciences Research Institute, Open University, Milton Keynes

0930- 1000 Surgical Care in Space
Mr Mark Campbell, General Surgeon, Paris Regional Medical Center, Texas. President Elect, Space Medicine Association

1000- 1030 Health Threats in Human Spaceflight
Dr Jonathan B. Clark MD, MPH. President, Space Medicine Association and Space Medicine Liaison, National Space Biomedical Research Institute, Houston, Texas.

1030 – 1045 Questions and Discussion

1045 – 1115 COFFEE

PANEL 6: CARDIOPULMONARY RESUSCITATION ON THE MOON, MARS AND IN MICROGRAVITY
Chair: Dr Simon Evetts

1115 - 1125 Introduction to Cardiopulmonary Resuscitation in Non-terrestrial Environments
Dr Simon N Evetts BA (Hons) MSc PhD, Senior Lecturer Exercise Sciences, Thames Valley University. Space Medicine Advanced Projects Lead, European Astronaut Centre, Germany

1125 - 1135 The Body Suspension Device as a Hypogravity and Microgravity Simulator
Professor Thais Russomano Microgravity Laboratory, Brazil and Visiting Professor, Kings College London

1135 - 1145 Gender Differences in Cardiac Massage Performance during Hypogravity Simulation
Dr Alyson Calder MBChB BSc MRCP(UK) Anaesthetics Senior House Officer, Glasgow Royal Infirmary and Visiting Researcher at Microgravity Laboratory, IPCT-PUCRS, Brazil

1145 - 1155 Elbow Angulation - Key to Performing Effective Lunar CPR
Gihan Ganeshanantham Visiting Researcher at Microgravity Laboratory, IPCT-PUCRS, Brazil, Medical Student at Imperial College London (MBBS/BSc)

1155 – 1205 Surface Electromyography in Subjects performing External Cardiac Compression during Microgravity Simulation
Agnieszka Skorko BSc Aerospace Medicine, Medical Student, King’s College School of Medical Sciences at Guys’, King’s and St Thomas’ Hospitals

1205 - 1215 Cardiopulmonary Evaluation of the Rescuer During Cardiac Massage in Parabolic Flight
Dr Vishal Nangalia MBChB BSc North West London Hospitals Trust

1215 – 1230 Questions and Discussion

1245 – 1330 LUNCH
PANEL 7: MEDICAL ISSUES FOR SPACE TOURISM
Chair: TBA

1330 - 1400  Space Tourism: “Are we there yet?”
              Dr Tim Evans MB ChB MRCGP

1400 - 1430  Modelling Risk in Space Medicine in
              Government and Commercial Programmes
              Kieran Smart BA MBChB MSc MPH MRCGP,
              Flight Surgeon, Space Medicine Advanced
              Projects, Wyle Laboratories, Texas

1430 - 1500  Virgin Galactic: The commercial
              spaceflight medical conundrum: a work
              in progress
              Dr Julia Tizard, Virgin Galactic

1500 - 1515  Questions and discussion

1515 - 1545  COFFEE

Panel 8: SPACE MEDICINE IN THE UK: WHAT NOW?

1545 - 1615  Panel of UK and International Space Medicine experts discuss the future of
              UK Space Medicine and how you can get involved.

              Panel: Dr Kevin Fong
                     Dr Phil Scarpa
                     Dr Mark Campbell
                     Dr Jonathan Clark
                     Dr Simon Evetts

1615 - 1630  Questions and Close