

ASTHMA: GENES, ENVIRONMENT & CELLULAR MECHANISMS

Organisers: Gwyneth Davies, Kim Harrison and Julian Hopkin

The Dylan Thomas Centre, Somerset Place, Swansea SA1 1RR

Wednesday 7th July 2010

18.00– 19.30 Welcome reception

Thursday 8th July 2010

8:50 **Welcome**

Kim Harrison, Swansea

Asthma - Genes and beyond

Chair:

9.00 Genetic variation in Th-2 signalling, allergy
and protection to parasitic worms

Julian Hopkin,
Swansea

9.30 Epigenetics – the post genomic era

Christopher Bell, UCL

10.00 Selected Communication

10:15 *Coffee*

Cellular mechanisms & signalling pathways in asthma

Chair:

10.45 Untangling the complex web of IL-4- and
IL-13-mediated signalling pathways.

Marsha Wills-Karp,
Cincinnati

11.15 Breakdown in epithelial barrier function in
patients with asthma

Donna Davies,
Southampton

11.45 Obesity, adipokines and asthma

Gwyneth Davies, Swansea

12:15 *Lunch + posters*

Host immunity and environmental interactions in asthma – Part I

Chair:

13.45 Role of respiratory viral infections in asthma

Sebastian Johnston, Imperial

14.15 Effects of smoking on glucocorticoid sensitivity
and alveolar macrophages

Dave Singh, Manchester

14.45 Selected Communication

15.00 *Tea*

15.30 Young Investigator Competition

17.00 Annual General Meeting

19.30 Conference Dinner - Morgans

Friday 9th July 2010

Chair:

Host immunity and environmental interactions in asthma – Part II

- 9.00 Newborn immunity in asthma and allergic disease Cathy Thornton, Swansea
- 9.25 Occupational asthma: Detergent protease exposure and respiratory disease Paul Cullinan, Imperial
- 9.50 Airbourne particulate matter and asthma Jon Ayres, Birmingham
- 10.15 Selected Communication
- 10:30 *Coffee*

Novel therapeutics

Chair:

- 11.00 SCIT in allergic rhinitis Steve Durham, Imperial
- 11.25 Drug discovery & asthma Ivan Richards, Allerna Therapeutics, Swansea
- 11.50 Delivering the goods – siRNA targeting in asthma To be confirmed
- 12.15 Targeting the eosinophil in asthma Ian Pavord, Leicester
- 12.45 *Lunch and departure*