



# Scientific Programme

Monday 7 November 2005

- 10.00- 11.00 **Plenary lecture:**  
**Society for Endocrinology Asia and Oceania**  
**Medal lecture**  
Wolfson Theatre
- 11:00- 13:00 **Symposium 1:**  
**New frontiers in thyroid cancer**  
Wolfson Theatre
- 11.00 **Oral Communications 1:**  
**Reproduction, neuroendocrinology**  
**and diabetes**  
Seligman Theatre
- 11.00 **Special Interest Group:**  
**Big issues in pituitary research**  
Sloane/Linacre
- 13.00-13.30 **Society for Endocrinology AGM**  
Wolfson Theatre
- 13.30-14.30 **Attended Posters**  
Library
- 14.30-16.30 **Symposium 2:**  
**Non-classical sites of action**  
**of classical hormones**  
Wolfson Theatre
- 14.30-16.30 **Nurses Session:**  
**Bone breaking diseases**  
Seligman Theatre
- 14.30-16.30 **Special Interest Group:**  
**Metabolic, reproductive and cosmetic**  
**aspects of Polycystic Ovary Syndrome**  
**(PCOS)**  
Sloane/Linacre
- 16.45 **Plenary Lecture:**  
**Clinical Endocrinology Trust**  
**historical lecture**  
Wolfson Theatre
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Monday 7 November 2005

09.00-9.30 **Registration**

09.30-10.00 **Osler/Long Room**  
**Coffee**

10.00-11.00 **Wolfson Theatre**

**Plenary lecture:**

**Society for Endocrinology Asia  
and Oceania Medal lecture**

Chair: Bloom S (London)

- S1 Ghrelin: discovery and physiological  
significance  
*Kangawa K (Osaka, Japan)*

11:00-13:00 **Wolfson Theatre**

**Symposium 1:**

**New frontiers in thyroid cancer**

Chair: Franklyn J (Birmingham)

- S5 Introduction - Chernobyl irradiation  
and thyroid cancer  
*Sheppard M (Birmingham)*
- S6 Expression arrays in thyroid cancer  
*Aldred M (Leicester)*
- S7 Novel molecular markers in thyroid  
cancer  
*McCabe C (Birmingham)*
- S8 NIS gene delivery: implications  
for thyroid and other cancers  
*Carrasco N (New York, USA)*

11.00

**Seligman Theatre**

**Oral Communications 1:**

**Reproduction, neuroendocrinology  
and diabetes**

Chair: Docherty K (Aberdeen) &  
Abayasekara R (London)

- OC1 Regulation of lysyl oxidase (LOX) and  
related genes in rat granulosa cells  
during follicular maturation  
*Shearer KD, Rae MT, Hillier SG*
- OC2 Disruption of gap junctional  
communication within the ovarian  
follicle induces oocyte maturation  
*Abramovich SS, Edry I, Galiani D, Nevo N,  
Dekel N*
- OC3 Endogenous opioid inhibition of  
hypothalamo-pituitary-adrenal (HPA)  
axis responses to centrally administered  
neuropeptide Y (NPY) during late  
pregnancy  
*Bales J, Searle A, Brunton P, Russell J*

OC4 The 3D cytoarchitecture of the VTA and  
the size of its dopaminergic cell  
population are permanently altered by  
perinatal glucocorticoid exposure  
*McArthur S, McHale E, Gillies GE*

OC5 Fasting and postprandial peptide YY  
response in adolescents with obesity  
*le Roux CW, Wickramasuriya BPN, Ghatei  
MA, Bloom SR, Matyka K*

OC6 Ghrelin and cannabinoids increase food  
intake via stimulation of hypothalamic  
AMP-activated protein kinase (AMPK)  
*Adams VC, Kola B, Garcia E, Hubina E,  
Dalino P, Khalaf S, Grossman A, Korbonits M*

OC7 Coronary artery calcium scores in UK  
subjects with diabetes  
*Chahal HS, Metcalfe KA, Howling SJ,  
Jenkins PJ*

OC8 Twice-daily biphasic insulin aspart 30  
plus metformin compared with once-  
daily insulin glargine in combination  
with glimepiride in Type 2 diabetes  
*Kann P, Regulski M, Medding J*

11.00

**Sloane/Linacre**

**Special Interest Group:**

**Big issues in pituitary research**

Chair: Fowkes R (London) &  
Ham J (Cardiff)

S30 Steroidogenic factor-1 (SF-1)  
and DAX-1  
*Achermann J (London)*

S31 Folliculostellate cells: what are they?  
*Rees D (Cardiff)*

S32 Lymphocytic hypophysitis  
*Aylwin S (London)*

13.00-13.30

**Wolfson Theatre**

**Society for Endocrinology AGM**

13.00-14.30

**Osler/Long Room**

**Lunch**

13.30-14.30

**Library**

**Attended Posters**

14.30-16.30

**Wolfson Theatre**

**Symposium 2:**

**Non-classical sites of action  
of classical hormones**

Chair: Arlt W (Birmingham)

- S9 Rapid actions of steroids via  
non-classical receptors  
*Williams G (London)*



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- S10 Direct actions of pituitary hormones on bone  
*Zaidi M (New York, USA)*
- S11 Actions and mechanisms of action of gonadotrophin-releasing hormone (GnRH) in non-pituitary tissue  
*McArdle C (Bristol)*
- S12 The haematopoietic system: a new niche for the renin-angiotensin system  
*Corvol P (Paris, France)*

## 14.30-16.30 Seligman Theatre

### **Nurses Session: Bone breaking diseases**

Chair: Carson M (Edinburgh) & Walker D (London)

- S25 Parathyroid disease  
*Davies M (Manchester)*
- S26 Osteomalacia and vitamin D  
*Jaap A (Edinburgh)*
- S27 The clinical use of bisphosphonates  
*Jamieson A (Dumfermline)*
- S28 Switching on dead bones  
*Miller M (Newcastle)*
- S29 Cushing's induced osteoporosis: a case of back pain with a limp  
*Gibson C (Manchester)*

## 14.30-16.30 Sloane/Linacre

### **Special Interest Group:**

### **Metabolic, reproductive and cosmetic aspects of Polycystic Ovary Syndrome (PCOS)**

Chairs: Atkin S (Hull) & Randeve H (Coventry)

- S33 Cardio-metabolic consequences of PCOS  
*Sattar N (Glasgow)*
- S34 Reproductive aspects of PCOS  
*Franks S (London)*
- S35 Cosmetic aspects of PCOS  
*Chadwick R (Sheffield)*

## 16.30-16.45 Osler/Long Room

### **Tea**

## 16.45

### **Wolfson Theatre**

### **Plenary Lecture: Clinical Endocrinology Trust historical lecture**

Chair: Wass J (Oxford)

- S2 The history of testosterone  
*Nieschlag E (Münster, Germany)*



# Scientific Programme

Tuesday 8 November 2005

- 09.00-10.00    **Plenary Lecture:**  
**Society for Endocrinology Medal lecture**  
Wolfson Theatre
- 10.30-12.30    **Symposium 3:**  
**The placenta as an endocrine organ**  
Wolfson Theatre
- 10.30-12.30    **Oral Communication 2:**  
**Thyroid and pituitary**  
Seligman Theatre
- 10.30-12.30    **Symposium 4:**  
**Hormone measurements:**  
**past, present and future**  
Sloane/Linacre
- 12.30-13.15    **Attended posters**  
Library
- 13.15            **Clinical Endocrine Debate:**  
**This house believes that postmenopausal**  
**women benefit from oestrogen therapy**  
Wolfson Theatre
- 14.15            **Plenary Lecture:**  
**Society for Endocrinology**  
**European Medal lecture**  
Wolfson Theatre
- 15.30-17.30    **Symposium 5:**  
**Evolving aspects in the HPA axis**  
Wolfson Theatre
- 15.30            **Oral Communication 3:**  
**Young Endocrinologist Session, including**  
**Basic Science Review lecture**  
Seligman Theatre
- 15.30            **Special Interest Group:**  
**Endocrinology of bone diseases**  
Sloane/Linacre
- 17.30-18.30    **Shire Pharmaceuticals Ltd Satellite**  
**Facial hirsutism - the primary and**  
**secondary care interface**  
Wolfson Theatre
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# Scientific Programme

Tuesday 8 November 2005

09.00-10.00 Wolfson Theatre

**Plenary Lecture:**

**Society for Endocrinology Medal lecture**

Chair: Bloom S (London)

- S3 The evolution of primary aldosteronism  
*Connell J (Glasgow)*

10.00-10.30 Osler/Long Room

**Coffee**

10.30-12.30 Wolfson Theatre

**Symposium 3:**

**The placenta as an endocrine organ**

Chair: Westwood M (Manchester)

- S13 Peri/pre-implantation paracrinology  
*Jabbour H (Edinburgh)*
- S14 Paracrinology of the placenta  
*Petraglia F (Siena, Italy)*
- S15 Human trophoblast syncytialisation: a cornerstone of placental function  
*Linton E (Oxford)*
- S16 Foeto-placental 11  $\beta$ -hydroxysteroid dehydrogenase Type 2 and glucocorticoid programming  
*Seckl J (Edinburgh)*

10.30-12.30 Seligman Theatre

**Oral Communication 2:**

**Thyroid and pituitary**

Chair: Gittoes N (Birmingham)

- OC9 Association of the thyrotrophin receptor gene (TSHR) with Graves' disease: evidence from independent UK population based case control and family studies  
*Brand OJ, Heward JM, Brix T, Carr-Smith JD, Connell JM, Hegedus L, Hunt PJ, Robinson BG, Wass JAH, Wiersinga WM, Franklyn JA, Weetman A, Gough SCL*
- OC10 Treatment of subclinical hypothyroidism with L-thyroxine improves endothelial function due to increase in free T4 levels  
*Razvi S, Oates CP, Weaver JU*
- OC11 Mortality and vascular outcomes in the thyroid population: an observational study comparing relative levels of mortality and morbidity using the record linkage of patient level datasets  
*Flynn RWV, MacDonald TM, Morris AD, Jung RT, Leese GP*

- OC12 High frequency of abnormal GH suppression and subclinical acromegaly in a series of patients with thyrotrophin-secreting pituitary adenoma  
*Pramodh S, Gilbert JA, Hepburn S, Chambers S, Al-Sarraj S, McGregor A, Aylwin S J B*

- OC13 Effect of dopamine agonists on prolactinomas and normal pituitary, assessed by dynamic contrast enhanced magnetic resonance imaging  
*Manuchehri AM, Lowry M, Turnbull LW, Rowland-Hill C, Atkin SL*

- OC14 Comparison of random growth hormone and mean growth hormone on oral glucose in patients with acromegaly  
*Jayasena CNL, Wijanto C, Todd JF, Meeran K*

- OC15 Prolactin secretion in the female annexin 1 knockout mouse: effects of ovariectomy and oestrogen replacement  
*Cover PO, McCulley C, Buckingham JC*

- OC16 Expression and function of NR5A1, NR5A2 and NR0B1 in mediating gonadotrophin-releasing hormone (GnRH) function in gonadotroph cell lines  
*Mirczuk SM, Poulet B, Chand AN, Burrin JM, Fowkes RC*

10.30-12.30 Sloane/Linacre

**Symposium 4:**

**Hormone measurements:**

**Past, present and future**

Chair: Fraser B (Liverpool)

- S17 Ligand assay - origins, present state of the art and ultimate future  
*Ekins RP (London)*
- S18 Steroid profiling  
*Taylor N (London)*
- S19 Detecting growth hormone abuse in athletes  
*Strasburger CJ (Berlin, Germany)*
- S20 The metabolome past, present and future  
*Wheatley D (Aberdeen)*

12.30-13.15 Osler/Long Room

**Lunch**

12.30-13.15 Library

**Attended posters**



# Scientific Programme

Tuesday 8 November 2005

13.15      **Wolfson Theatre**  
**Clinical Endocrine Debate:**  
**This house believes that postmenopausal women benefit from oestrogen therapy**  
Chair: Bevan J (Aberdeen)  
For: Studd J (London)  
Against: Buckler H (Manchester)

14.15      **Wolfson Theatre**  
**Plenary Lecture:**  
**Society for Endocrinology**  
**European Medal lecture**  
Chair: Bloom S (London)  
Estrogen receptors at work  
in living animals  
*Maggi A (Milan, Italy)*

15.15-15.30    **Osler/Long Room**  
**Tea**

15.30-17.30    **Wolfson Theatre**  
**Symposium 5:**  
**Evolving aspects in the HPA axis**  
Chair: Trainer P (Manchester)

S21    Clinical and genetic aspects of  
glucocorticoid sensitivity  
*Ray D (Manchester)*

S22    Update on Cushing's of the omentum  
*Tomlinson J (Birmingham)*

S23    Novel therapeutic directions in Cushing's  
*Levy A (Bristol)*

S24    Carney complex, a personal perspective  
*Carney J (Rochester, USA)*

15.30      **Seligman Theatre**  
**Oral Communication 3:**  
**Young Endocrinologist Session, including**  
**Basic Science Review Lecture**  
Chair: Bloom S (London) &  
Fowkes R (London)

OC17    Stem cells: therapeutic prospects  
for diabetes mellitus  
*Burns C (Potters Bar)*

OC18    Functional SNPs involved in NF- $\kappa$ B  
signalling and binding pathways and  
their contribution to the pathogenesis  
of Graves' disease  
*Simmonds MJ, Heward JM, Carr-Smith JD,*  
*Foxall H, Franklyn JA, Gough SCL*

OC19    Characterisation of a novel  
glucocorticoid-interacting protein  
expressed in human cancers that  
modulates glucocorticoid sensitivity  
*Rice LM, Waters C, Garside H, Ray DW,*  
*White A*

OC20    Investigating the role of ABCA1 in the  
externalisation of Annexin 1 in the  
anterior pituitary  
*Omer S, Christian HC, Morris JF*

OC21    Neuroendocrine response to ghrelin in  
patients with anorexia nervosa (AN)  
*Miljic D, Pekic S, Djurovic M, Doknic M,*  
*Milic N, Casanueva FF, Ghatei M, Popovic V*

OC22    Antioxidants enhance the adrenocortical  
response to stress in the fetus  
*Thakor AS, Giussani DA*

OC23    The effect of the hormonal milieu on  
the response of the isolated human  
myometrium to PGE2  
*Fischer DP, Farrar D, O'Donovan P, Senior J,*  
*Marshall KM*

OC24    Bovine endometrial cells express  
Toll-like Receptor 4 (TLR4) and  
secrete prostaglandins in response to  
lipopolysaccharide  
*Herath S, Bryant CE, Sheldon IM*

15.30      **Sloane/Linacre**  
**Special Interest Group:**  
**Endocrinology of bone diseases**  
Chair: Thakker R (Oxford)

S36    Thyroid and bone  
*Williams G (London)*

S37    Understanding the molecular basis of  
adverse effects of bisphosphonate drugs  
in the treatment of bone diseases  
*Rogers M (Aberdeen)*

S38    Hormonal assays for calcitrophic  
hormones - PTH and FGF 23  
*Fraser W (Liverpool)*

S39    Vitamin D analogues: pharmacology  
and therapeutic uses  
*Bouillon R (Leuven, Belgium)*

17.30-18.30    **Wolfson Theatre**  
**Shire Pharmaceuticals Ltd Satellite**  
**Facial hirsutism - the primary and**  
**secondary care interface**



# Scientific Programme

Wednesday 9 November 2005

## ENDOCRINOLOGY AND DIABETES DAY

- 9.00-10.30**     **Symposium:**  
**Beta cell growth: implications for**  
**Type 1 and Type 2 diabetes**  
Wolfson Theatre
- 11.00-12.00**   **Lecture:**  
**Cell therapy to cure**  
Wolfson Theatre
- 12.00-13.00**   **Meet the Expert:**  
**The role of the chemical pathologist in**  
**the modern management of diabetes**  
Wolfson Theatre
- 13.00-14.00**   **Attended Posters**  
Library
- 14.00-15.30**   **Meet the Experts:**  
**Managing the younger, lean,**  
**newly diagnosed patient**  
Wolfson Theatre
- 16.00-17.00**   **Debate:**  
**'This house believes that insulin is**  
**the treatment of choice for the poorly**  
**controlled, overweight patient with Type 2**  
**diabetes'**  
Wolfson Theatre
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# Scientific Programme

Wednesday 9 November 2005

## ENDOCRINOLOGY AND DIABETES DAY

9.00-10.30 Wolfson Theatre

### Symposium:

**Beta cell growth: implications for Type 1 and Type 2 diabetes**

Chair: Docherty K (Aberdeen)

DS1 The onset of Type 2 diabetes -  
controlling the balance between beta-cell  
life and death

*Rhodes C (Seattle, USA)*

DS2 Islet mitogens- role in the maintenance  
of beta-cell mass

*Stoffel M (New York, USA)*

DS3 Beta-cell death in Type 2 diabetes: a link  
to Type 1 diabetes

*Donath M (Geneva, Switzerland)*

DS4 Gain and loss of function strategies for  
directing human embryonic stem cell  
differentiation

*Pedersen R (Cambridge)*

10.30-11.00 Osler/Long Room

### Coffee

11.00-12.00 Wolfson Theatre

### Lecture:

Chair: Docherty K (Aberdeen)

Cell therapy to cure

*Amiel S (London)*

12.00-13.00 Wolfson Theatre

### Meet the Expert:

Chair: Johnston C (Hemel Hempstead)

DS5 The role of the chemical pathologist in  
the modern management of diabetes

*Kilpatrick E (Hull)*

13.00-14.00 Osler/Long Room

### Lunch

13.00-14.00 Library

### Attended Posters

14.00-15.30 Wolfson Theatre

### Meet the Experts:

**Managing the younger, lean, newly  
diagnosed patient**

Chair: Johnston C (Hemel Hempstead)

The role of immunology

*Leslie D (London)*

The role of genetics

*Hattersley A (Exeter)*

16.00-17.00 Wolfson Theatre

### Debate:

**'This house believes that insulin is the  
treatment of choice for the poorly  
controlled, overweight patient with Type 2  
diabetes'**

Chair: Johnston C (Hemel Hempstead)

For: Davies M (Leicester)

Against: Scott A (Sheffield)