

PLENARY LECTURE

9.00 - 9.45
AUDITORIUM

OLD AND NEW PHARMACEUTICAL OPTIONS FOR THE MANAGEMENT OF HUMAN OBESITY

Chair: J.M.B. Hicks (USA)



S.R. Bloom

*Department of Metabolic Medicine
Division of Investigative Science
Imperial College London - United Kingdom*

Steve Bloom was born in Kent in 1942 and received his undergraduate medical training at Cambridge University. His house officer, senior house officer and registrar posts were largely undertaken at The Middlesex Hospital where he also received his MRC Clinical Research Fellow training. He moved to the Royal Postgraduate Medical School at Hammersmith Hospital in 1974 where his roles have included Senior Lecturer (Consultant Physician), Reader in Medicine, Chairman of the Higher Degrees Committee and Academic Board, Professor of Medicine (Hon Consultant Physician), Director of the Endocrinology Clinical Service and Deputy Director, Department of Medicine, Director of Chemical Pathology (renamed Metabolic Medicine), Chief of Clinical Service Chemical Pathology and Chief of Service Endocrinology and Diabetes. He now holds a dual role as Head of the Academic Division of Investigative Science at Imperial College London and as Clinical Director for Pathology and Therapy Services at Hammersmith Hospital responsible for a total budget of £40 million annually. His research work over the years falls into five related categories: endocrinology clinical research, physiology and pathology of gut hormones, control of insulin release and insulin resistance, role of neuropeptides in organ control and the role of neuropeptides in CNS regulation of appetite and related hypothalamic functions. He currently leads a research group investigating hypothalamic appetite control systems and gut hormones. He has published over 1000 papers (excluding review articles) in journals such as Nature, J Biol Chem, PNAS, JCI and NEJM. Steve is also a Director of Thiakis and Chairman of Bioscientifica.

Tuesday 5 June 9.00 - 9.45



10.00 - 12.30
AUDITORIUM

**ADVANCES IN LABORATORY
AUTOMATION AND
INFORMATION
TECHNOLOGY**

Chairs: J.L.S. Dols (The Netherlands)
H.M.J. Goldschmidt
(The Netherlands)

10.00 - 10.30
The European lab tests online
network
M. Klouche (Germany)

10.30 - 11.00
Personal Digital Assistants:
Opportunities for Laboratory
Medicine
G.H. White (Australia)

11.00 - 11.30
Risk assessment used to prioritize the
software validation
C.E. Torp (Denmark)

11.30 - 12.00
A regional shared clinical data
repository
R. Boswell (New Zealand)

12.00 - 12.30
Recent topics in laboratory
automation and information
technology
J.L.S. Dols (The Netherlands)

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10.00 - 12.30
FORUM

OBESITY

Chairs: M. Hallworth (UK)
P.P.C.A. Menheere
(The Netherlands)

10.00 - 10.30

The fetal basis of adult disease
S.E. Ozanne (UK)

10.30 - 11.00

Endocrine control of body
composition from infancy to puberty
E.J. Richmond (Costa Rica)

11.00 - 11.30

Is insulin resistance the cause of the
metabolic syndrome?
J. Eckel (Germany)

11.30 - 12.00

The rich life of adipocytes
M.A. van Baak (The Netherlands)

Free communications:

12.00 - 12.15

Skeletal muscle fatty acid transporter in type
2 diabetes patients compared with
overweight, sedentary men and age-matched,
endurance-trained cyclists
M.M.A.L. Pelsers (The Netherlands)

12.15 - 12.30

Diabetes mellitus, but not obesity, in
pregnancy is associated with lower fetal long
chain polyUnsaturated fatty acid (LCP) and
essential fatty acid (EFA) status
D.A.J. Dijck-Brouwer (The Netherlands)

10.00 - 12.30
ROOM N/O

**FRONTIERS IN TECHNOLOGY
AND METHODS - II**

Chairs: M. Neumaier (Germany)
H. Storm (The Netherlands)

10.00 - 10.30

Stem cells for tissue regeneration:
hope or hype?
C.A. van Blitterswijk (The Netherlands)

10.30 - 11.00

Analysis of Protein Structural
Dynamics and Protein Interactions
Using Mass Spectrometry and
Hydrogen ($^1\text{H}/^2\text{H}$) Exchange
T.J. Jørgensen (Denmark)

11.00 - 11.30

Metabolomics in the context of
systems biology: the future of clinical
chemistry?
J. van der Greef (The Netherlands)

11.30 - 12.00

The European EQUALSEC DNA-
sequencing program: improving
analytical performance and
proficiency
M. Neumaier (Germany)

Free communications:

12.00 - 12.15

A new label for homogeneous PCR assays
J. Nurmi (Finland)

12.15 - 12.30

An operational checklist for evaluation of
molecular genetic tests destined to clinical
use: development and description
F. Rousseau (Canada)

10.00 - 12.30

Tuesday 5 June

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10.00 - 12.30
ROOM A

DISEASE OF AGEING/BIOMARKERS IN NEURODEGENERATIVE DISEASE

Chairs: E. Topic (Croatia)
M.M. Verbeek
(The Netherlands)

10.00 - 10.30

Assay and significance of biomarkers for Alzheimer's disease
U. Andreasson (Sweden)

10.30 - 11.00

Mitochondrial dysfunction in Parkinson's disease
N.W. Wood (UK)

11.00 - 11.30

Candidate genes in the development of cerebrovascular disease
E. Topic (Croatia)

11.30 - 12.00

Prion disease
R. Knight (UK)

Free communications:

12.00 - 12.15

Cerebrospinal fluid analysis distinguishes multiple system atrophy from Parkinson's disease and idiopathic late onset cerebellar ataxia
M.M. Verbeek (The Netherlands)

12.15 - 12.30

Brain-specific fatty acid binding protein is detectable in serum of patients with dementia
M.M.A.L. Pelsers (The Netherlands)

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POSTERS

Poster display: 10.00 - 17.30

Ageing	T001-T007
Bone disease and vitamin D	T008-T035
Cardiovascular disease: Coronary artery disease/ischemic damage	T036-T124
Diabetes	T125-T174
Information technology	T175-T179
Kidney disease	T180-T230
Liver and gastrointestinal disease	T231-T269
Miscellaneous	T270-T319
Neurodegenerative diseases	T320-T335
Nutrition	T336-T353
Thyroid	T354-T380

Authors are asked to present their poster **from 13:30 until 14:30** in order to encourage scientific discussion.

See **page 166** for further information on posters. See **pages 89-107** for the list of posters displayed on Tuesday 5 June and **pages 127-161** for the authors' index.

15.00 - 17.30
AUDITORIUM

LATE BREAKING NEWS

Chairs: V. Palicka (Czech Republic)
I.P. Kema (The Netherlands)

15.00 - 15.30

The quality of Blood glucose meters in The Netherlands 5 years after the introduction of the CE/IVD directive
K. Vroonhof (The Netherlands)

15.30 - 16.00

Heterogeneity of circulating cardiac troponin T
E.C.H.J. Michielsen (The Netherlands)

16.00 - 16.30

Activated complement components and complement activator molecules on the surface of cell-derived microparticles in patients with rheumatoid arthritis and healthy individuals
É. Biró (The Netherlands)

16.30 - 17.00

Measurement of calcineurin and mTOR activities in relation to immunosuppression
J. van Pelt (The Netherlands)

17.00 - 17.30

The SS Genotype of the Promoter Region of the Serotonin Transporter is Associated with Mortality in Patients with a Metastatic Midgut Carcinoid Tumor
I.P. Kema (The Netherlands)

15.00 - 17.30
FORUM

**CLINICAL CASES IN
EMERGENCY MEDICINE**

Chair: P. Gosling (UK)

INTERACTIVE

A voting system will be provided at the entrance of the Forum room.

This session will allow delegates to interact with the speaker and make the session an active one!



Tuesday 5 June

- 15.00 - 17.30

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15.00 - 17.30
ROOM N/O

IRON METABOLISM: NEW INSIGHTS AND CONSEQUENCES FOR DIAGNOSTIC MEDICINE

Chairs: R.E. Fleming (USA)
D.W. Swinkels (The Netherlands)

15.00 - 15.30

Overview: new insights in iron metabolism

R.E. Fleming (USA)

15.30 - 16.00

Anemia of chronic disease.

G. Weiss (Austria)

16.00 - 16.30

Hepcidin: analysis, regulation and clinical implications

D.W. Swinkels (The Netherlands)

16.30 - 17.00

Laboratory management of r-HuEPO therapy

L. Thomas (Germany)

Free communications:

17.00 - 17.15

ChR and %HYPO are more sensitive but less specific than transferrin saturation in identifying iron deficiency

K. Lilleholt (Norway)

17.15 - 17.30

Unexplained refractory iron deficiency anemia: five clinical cases

E.C van Dongen-Lases (The Netherlands)

15.00 - 17.30
ROOM A

MASS SPECTROMETRY IN THE CLINICAL LABORATORY

Chairs: L. Thienpont (Belgium)
C.A.J.M. Jakobs (The Netherlands)

15.00 - 15.30

Recent developments and new applications of tandem mass spectrometry in newborn screening
D. Matern (USA)

15.30 - 16.00

Thyroid and steroid hormone measurement by mass spectrometry
L. Thienpont (Belgium)

16.00 - 16.30

Quantitative profiling of folate and one-carbon metabolism in large-scale epidemiological studies by mass spectrometry

P.M. Ueland (Norway)

16.30 - 17.00

Role of mass spectrometry in the unraveling of neurometabolic disorders

E.A. Struijs (The Netherlands)

Free communications:

17.00 - 17.15

Mass spectrometry-based hepcidin measurements in serum and urine: analytical aspects and clinical implications

E.H.J.M. Kemna (The Netherlands)

17.15 - 17.30

Comparative urine analysis by liquid chromatography-mass spectrometry and multivariate statistics: application to pregnancy in humans

R.F.J. Kemperman (The Netherlands)

MEETINGS DURING THE CONGRESS

ART ROOM

■ 9.00 - 13.00 **CLOSED MEETING**

C-NPU data base

Chair: F. Pontet (France)

■ 13.30 - 15.30 **CLOSED MEETING**

IFCC Ortho Clinical Diagnostics

Conference Steering Committee Meeting

Chair: A. D. Fraser (Canada)

BOARD FORUM

■ 9.00 - 13.00 **OPEN MEETING**

IFCC/C-Reference Systems of Enzymes

Chair: G. Schumann (Germany)

■ 13.30 - 15.30 **CLOSED MEETING**

Molecular Diagnostics Meeting (C-MD)

Chair: F. Rousseau (Canada)

PRESS FORUM

■ 9.00 - 17.30

C-POCT Meeting

Chair: A.O. Okorodudu (USA)

ROOM C

■ 11.00 - 12.30 **OPEN MEETING**

Progress in standardisation of cystatic C

Chair: A. Grubb (Sweden)

See programme on page 34

■ 13.30 - 17.30 **CLOSED MEETING**

Working Group EQUAL "EC4"

Chair: M. Neumaier (Germany)

ROOM D

■ 9.00 - 13.00 **CLOSED MEETING**

Meeting Network of Laboratories operating the IFCC Reference Method for HbA1¹

Chair: C. Weykamp (The Netherlands)

■ 13.30 - 17.30 **CLOSED MEETING**

Committee on Plasma Proteins (CPP)

Chair: G. Merlini (Italy)

ROOM E+F

■ 16.00 - 17.30 **MEMBERS ONLY**

NVNC Annual Meeting

ROOM G

■ 11.30 - 13.30 **CLOSED MEETING**

CCLM Steering Committee Meeting

Chair: G. Siest (France)

ROOM M

9.00 - 13.30 **CLOSED MEETING**

EC4 Working Groups

Chair: W. Huisman (The Netherlands)

■ 14.00 - 16.30 **CLOSED MEETING**

EFCC General Assembly



MEETINGS -
Tuesday 5 June

OPEN MEETINGS DURING THE CONGRESS

ROOM C - 11.00-12.30

Progress in standardisation of cystatin C

Chair: A. Grubb (Sweden)

Introduction

A. Grubb (Sweden)

Primary Reference Preparation

Production and characterisation

C. Schmidt (Denmark) and S. Blirup-Jensen (Denmark)

Secondary Reference Preparation

Production and characterisation

H. Althaus (Germany)

Certification and distribution

I. Zegers (Belgium)

Discussion



View of the city of Amsterdam

