FRIDAY NOVEMBER 15th, 2002

H 12.00-13.15  WELCOME COCKTAIL
H 13.15-13.30  OPENING CEREMONY
H 13.30-14.00  LECTURE 1
   Chairpersons: F. Camanni (Italy), F. Di Carlo (Italy)
   NEUROHORMONE PULSATILITY AS FUNCTION OF AGE AND GENDER
   (J. Veldhuis - USA)

H 14.00-16.00  Symposium 1
   HORMONAL REGULATION OF BODY COMPOSITION
   Chairpersons: E. Nieschlag (Germany)
   a) Looking for biological actions of estrogens in the male: possible new targets in the male reproductive tract
      (G. Forti - Italy)
   b) Adrenal steroids
      (J. Monson - UK)
   c) Thyroid hormones
      (E. Martino - Italy)
   d) GH, IGF-I and GH-secretagogues
      (J. Moller - Denmark)
   e) Hot topic
      Insulin, insulin sensitivity, body composition – an insight from selected cases
      (V. Popovic – Yugoslavia)

H 16.00-16.30  COFFEE BREAK
NEUROENDOCRINE AND METABOLIC RESPONSE TO EXERCISE

Chairpersons: P. Strata (Italy), C. Dieguez (Spain)

a) Fuel for physical activity
   (P. De Feo - Italy)

b) Exercise, hormones and body temperature
   (J.O. Jorgensen - Denmark)

c) Exercise and the hypothalamic-pituitary-adrenal axis
   (A. Angeli - Italy)

d) Exercise and the GH/IGF-I axis
   (A. Weltman - USA)

e) Hot topic
   Pulsatile secretion of growth hormone in elite athletes: comparison with non-elite athletes and sedentary subjects
   (G.M. Ubertini – Italy)
SATURDAY NOVEMBER 16th, 2002

H 8.00-10.00 Symposium 3

EXERCISE AND AGEING

Chairpersons: P.L. Canonico (Italy), A. Angeli (Italy)

a) Maternal nutrition, fetal weight, body composition and disease in later life
   (Z. Zadik - Israel)

b) The developing child and physical exercise
   (A. Rogol - USA)

c) Physical activity and performance as a function of age and gender in adults
   (R.M. Malina - USA)

d) Impact of physical exercise on the endocrine ageing
   (M. Blackman - USA)

e) Hot topic
   Gender-, age- and training-dependent differences of GH responses to a standard training session in elite athletes
   (A. Sartorio – Italy)

H 10.00-10.15 COFFEE BREAK

H 10.15-12.15 Symposium 4

EXERCISE AND ENDOCRINE PATHOLOGIES

Chairpersons: B.A. Bengtsson (Sweden), L. Saccà (Italy)

a) Athletic amenorrhea
   (A. Loucks - USA)

b) Diabetes and exercise
   (F. Santeusanio - Italy)

c) Exercise, hormones and bone metabolism
   (A. Giustina - Italy)

d) Cardiovascular performance in endocrine disease
   (J. Isgaard - Sweden)

e) Hot topic
   How much coronary flow reserve is affected by left ventricular hypertrophy? A comparative study between the hypertensive and acromegaly heart.
   (A. Colao – Italy)
SATURDAY NOVEMBER 16th, 2002

H 12.15-12.45  LECTURE 2

Chairpersons: C.J. Strasburger (Germany), F. Minuto (Italy)

TECHNIQUES ASSESSING BODY COMPOSITION:
POTENTIALS AND PITFALLS
(B.A. Bengtsson - Sweden)

H 12.45 - 14.30  POSTERS AND LUNCH

H 14.30-16.30  Symposium 5

EFFECT OF HORMONE REPLACEMENT ON METABOLISM AND PHYSICAL
PERFORMANCES IN PATHOPHYSIOLOGICAL CONDITIONS

Chairpersons: G. Lombardi (Italy), S. Shalet (UK)

a) Effects of androgen replacement on metabolism and physical
performances in male hypogonadism
(M. Zitzmann, E. Nieschlag - Germany)

b) Effects of estrogens on body composition and performance in
female hypogonadism
(S. Sipila - Finland)

c) Effects of growth hormone on metabolism and physical performance in growth
hormone deficient adults
(S. Shalet – UK)

d) Effects of GH, IGF-I and GH secretagogues in ageing
(F.F. Casanueva - Spain)

e) Hot topic
Recombinant human growth hormone effectively treats
HIV/AIDS associated wasting in HAART patients.
(E. Svanberg – Switzerland)

H 16.30-16.45  COFFEE BREAK
NEW INSIGHTS IN THE CONTROL OF FOOD INTAKE, BODY COMPOSITION AND HORMONE SECRETION: CORTISTATIN AND GHELIN

Chairpersons: E.E. Muller (Italy), S.W.J. Lamberts (The Netherlands)

a) Endocrine and non-endocrine aspects of somatostatin and cortistatin
   (L.J. Hofland - The Netherlands)

b) Interplay between ghrelin, somatostatin and cortistatin
   (G. Muccioli - Italy)

c) Ghrelin and obesity
   (M. Tschoep - Germany)

d) The role of the ghrelin/cortistatin system in insulin sensitivity
   (A.J. van der Lely - The Netherlands)

e) Hot topic
   Hypogrehelinemia in obese women with polycystic ovary syndrome: correlation with insulin-resistance and hyperandrogenism
   (U. Pagotto – Italy)

MUSCLE STRENGTH IN ELDERLY MEN: THE INTEGRATION OF BODY COMPOSITION, HORMONES AND LIFESTYLE
(S.W.J. Lamberts - The Netherlands)
H 8.00-10.00   Symposium  7

HORMONAL PHARMACOLOGY: DOSE RELATED EFFECTS AND SIDE EFFECTS

Chairpersons: M. Eandi (Italy), P. Preziosi (Italy)

a) Natural and synthetic androgens
   (R. D’Agata - Italy).

b) Natural and synthetic estrogens
   (A. Maggi – Italy)

c) Body composition and IGF-I in adult GHD subjects: impact of developmental stage and GH replacement
   (A. Attanasio - Italy)

d) Erythropoietin
   (W. Jelkmann - Germany)

e) Hot topic
   A polymorphism in the glucocorticoid receptor gene: associations with decreased sensitivity to glucocorticoids, better metabolic profile and survival.
   (E. van Rossum – The Netherlands)

H 10.00-10.15    COFFEE BREAK

H 10.15-12.15   Symposium  8

HORMONES IN SPORT: METHODS FOR DISTINGUISHING HORMONE USE AND ABUSE

Chairpersons: P. Beck-Peccoz (Italy), A. Dal Monte (Italy)

a) The assay of endogenous and exogenous anabolic androgenic steroids
   (H. Geyer - Germany)

b) Indirect evidence suggesting hormone abuse: can it be proof of doping in sports?
   (F. Minuto - Italy)

c) Distinction between endogenous and exogenous erythropoietin
   (F. Lasne - France)
d) Distinction between endogenous and exogenous GH
   (C.J. Strasburger - Germany)

e) Hot topic
   Exercise and urinary IGF-I excretion
   (E.F. De Palo – Italy)

H 12.15-13.30  ROUNDTABLE

PROVOCATION: THIS HOUSE BELIEVES THAT DOPING
SHOULD BE LEGALIZED

(Chairperson: K. Ho - Australia)

Proponents:

R.J.M. Ross (UK)
A.J. van der Lely (The Netherlands)

Opponents:

G. Benzi (Italy)
H. Geyer (Germany)

H 13.30  CONCLUSIONS AND CLOSURE