

**Society for the Study of Human Biology**  
**The Human Biology of Jim Tanner**  
**Symposium and Proffered Papers Meeting**

**13-15<sup>th</sup> December 2011**

**Corpus Christi College, Cambridge**

**Tuesday 13<sup>th</sup> December**

13:00 Registration, McCrum Lecture Theatre, Corpus Christi College

14:00 Welcome and introduction

**14:10 The human biology of Jim Tanner**

Noel Cameron (Loughborough University)

**Themed session 1: The biology of growth (modelling growth, skeletal maturity, pubertal development)**

**14:50 Michelle Lampl (Emory University): Modelling growth**

15:25 Amanda Mummert (Emory University): Growth cessation is not the necessary norm during the final weeks of gestation

15:45 Coffee

16:05 Carolyn E O'Connor (Durham University): Tanner in perspective: The effects of lifestyle and ecology on female pubertal development

16:25 Lauren Houghton (Durham University and National Cancer Institute, US National Institutes of Health): Should we include adrenarche in pubertal assessments?

**16:45 Peter Ellison & Meredith Reiches (Harvard University): Puberty: Reproductive and somatic maturation**

17:20 Close

**18:00-19:30 Drinks Reception and Proffered Poster Session sponsored by Informa Healthcare, Annals of Human Biology (Harley-Mason and Law Room, New Court)**

## Wednesday 14<sup>th</sup> December

### Themed session 2: Assessing growth

- 9:30**            **Tim Cole (Institute of Child Health): The development of growth references and growth charts**
- 10:05            Cristina Padez (University of Coimbra, Portugal): Association of obesity with sedentary behaviours and outdoor play among children
- 10:25            Coffee
- 11:00**            **Helen Liversidge (Queen Mary, University of London): Recent developments in maturity indicators of teeth**
- 11:35            Mike Ibeabuchi (University of Lagos, Nigeria): Somatotypes of adolescent male Nigerian school children in Lagos
- 11.55**            **Robert M. Malina (University of Texas at Austin): Professor James M. Tanner and the Sport Sciences**
- 12:30            Lunch

### Themed session 3: Worldwide Variation in Human Growth

- 14:00**            **Lawrence Schell (University at Albany, SUNY): Growth as a mirror: reflections in growth of exposures to endocrine disruptors.**
- 14:35            Michael Hermanussen (Aschauhof, Altenhof, Germany): The 'community effect' in growth regulation
- 14:55            Hannah Wilson (Loughborough University): Resting metabolic rate explains the relationship between stunting and overweight/ obesity in a sample of urban Maya children
- 15:15**            **Daniel Hoffman (Rutgers, the State University of New Jersey): Growth in transitional economies**
- 15:50            Coffee
- 16:20            Monika Krzyzanowska (University of Wroclaw, Poland): Impact of social mobility and geographical migration on variation in male height, weight and body mass index in a British cohort
- 16:40            Elena Godina (Lomonosov Moscow State University) Rural-urban differences in somatic growth of children and adolescents in northern Russia
- 17:00**            **John Komlos (University of Munich): Two million years of anthropometric history**
- 17:35            Close
- 19:00**            **Conference dinner, Trinity Hall**

## Thursday 15<sup>th</sup> December

### Themed session 4: Growth and health

- 09:30**            **Babette Zemel (The Children's Hospital of Philadelphia): Human biology at the interface of paediatrics**
- 10:05            Meredith Reiches (Harvard University): Maternal post-partum weight predicts adolescent daughters' size, body composition, and ratio of leptin to fat mass to a greater extent than does prenatal supplement status in a West African subsistence agriculturalist population
- 10:25            Coffee
- 10:55            Moira S Lewitt (University of the West of Scotland): Predicting the risk of future cardiovascular disease during puberty
- 11:15**            **David Barker (University of Southampton): Compensatory growth**
- 11:50**            **Summing up - the human biology of Jim Tanner**
- 12:10**            **Emily Rousham (Loughborough University): Award of student prizes and close of meeting**

### Proffered Poster Session: Tuesday 13 December 6.00-7.30pm

#### Proffered Poster Presentations

1. Sudip D Banik (Cinvestav-Merida University, Mexico): Effect of stunting and socioeconomic traits on height distance and velocity in boys and girls aged 9 to 18 years in Merida, Yucatan.
2. Evelyn J Bowers (Ball State University): Longitudinal support for observations of altered growth accomplishment in children with clefts of the lip and/or palate.
3. Rojapon Buranarugsa (University of Porto): Individual differences in maximum strength and running of track and field athletes and their relationship with biological maturation.
4. Raquel N de Chaves (University of Porto): Fat patterning in Portuguese siblings.
5. Daniel M de Vilhena e Santos (University of Porto): Relationship between somatotype and motor performance in boys and girls.
6. Mafalda S R de Oliveira (University of Porto): Decennial trend in passing rates of health-related physical fitness in children from Maia county, northern Portugal.

7. Martina Hruskova (University of South Bohemia, Czech Republic): Secular changes in chest diameters in 0 to 3.49 year old Czech children.
8. Élvio R Gouveia (University of Madeira): Functional fitness, body composition and bone health and strength in the elderly.
9. Mojca Juricic (University Medical Center Ljubljana, Slovenia): Weight gain and body mass index in pregnant woman in Slovenia in years 2002-2009 and outcome of pregnancy and delivery in women with high body mass index.
10. Mercedes López-Blanco (Fundación Bengos, Venezuela): Predictive capacity of body mass index versus a comprehensive diagnosis in Venezuelan children and adolescents.
11. José A R Maia (University of Porto): Tracking of BMI in Azorean children followed consecutively from 6 to 10 years of age.
12. Masuda Mohsena (University of Cambridge): Nutritional status of women in Bangladesh: trends and socio-economic association over the period 1996 and 2007
13. Joanna Rogóż (Jagiellonian University): Changes in BMI during childhood and adolescence.
14. Ashley Stephen (University of Dundee): The use of 3D MRI technology in the evaluation of the growth plates of the knee and ankle.
15. Wioleta Umlawska (University of Wroclaw, Poland): Growth and nutritional status in children with cystic fibrosis.
16. Iwona Wronka (Jagiellonian University): Height and SES at different life stages.
17. Kaspar Staub (University of Zurich): "From growth in height to growth in breadth": The changing body in Switzerland since the 19th century.