8th International Conference on Cachexia, Sarcopenia and Muscle Wasting

- Cachexia in Cancer, Heart Failure, COPD, CKD and Stroke
- Sarcopenia, Frailty and the Dysmobility Syndrome
- Pathophysiology and Epidemiology of Muscle Wasting
- Body Composition Assessments
- Screening, Diagnostic and Management
- Special Populations
- Clinical Trial Data

4–6 December 2015 Paris

Abstract submissions are welcome
Deadline 30 July, 2015

- Rapid fire abstracts sessions
- Young investigator awards
- Late-breaking research and clinical abstract deadline: 30 September, 2015
- Plenty of time for discussion

For further information visit www.cachexia.org
Dear Colleague,

The Society on Sarcopenia, Cachexia and Wasting Disorders (SCWD) is pleased to invite you to attend the 8th International Conference on Cachexia, Sarcopenia and Muscle Wasting that will be held on December 4-6, 2015, in Paris, France.

As an international and multidisciplinary organization, the SCWD seeks to further research on cachexia, sarcopenia and muscle wasting in order to bring practical solutions to healthcare teams worldwide. Since the first cachexia conference that took place in Berlin in 2000, over 2000 physicians from over 25 countries have attended our educational sessions. This year, over 60 international speakers will join together in one of the most attractive cities, Paris.

The Scientific Committee has worked hard to bring you an impressive three-day program. The first day is dedicated to all aspects of muscle wasting research and management. Then, the program has been designed in order to include both clinical and basic science tracks. Parallel sessions will permit various facets of muscle wasting to be explored. A special emphasis has been placed on Abstracts with Rapid fire abstract sessions. All will be able to contribute to general discussions in plenary sessions.

We expect this 8th International Conference to be a unique forum for all medical professionals dealing with muscle wasting in their disciplines and we look forward to meeting you in Paris.

Yours sincerely,

Bruno Vellas
John E. Morley
Stefan D. Anker

CHAIRMEN:
Bruno Vellas, Toulouse, France
John E. Morley, St. Louis, MO, USA
Stefan D. Anker, Göttingen, Germany

INTERNATIONAL SCIENTIFIC COMMITTEE:
Stefan D. Anker (President) — Göttingen, Germany
John E. Morley — St. Louis, USA
William J. Evans — Durham, USA
Akio Inui — Kobe, Japan
Josep M. Argiles — Barcelona, Spain
Filippo Rossi-Fanelli — Rome, Italy
Vickie E. Baraco — Edmonton, Canada
Andrew Coats, Melbourne, Australia and Warwick, UK
Wolfram Doehner — Berlin, Germany
Kenneth C. H. Fearon — Edinburgh, UK
Luigi Ferrucci — Baltimore, USA
David J. Glass — Boston, USA
Aminah Jatoi — Rochester, USA
Kamyar Kalantar-Zadeh — Torrance, USA
Florian Strasser — St. Gallen, Switzerland
Stephan von Haehling — Göttingen, Germany
FRIDAY, 4 DECEMBER 2015

10:00 - 12:00 - OPENING SESSION
Bruno Vellas, Toulouse, France – Stefan D. Anker, Göttingen, Germany
John E. Morley, St. Louis, MO, USA

Welcome Address
“Hippocrates” clinical science key note lecture
Anabolics and exercise for cachexia – Challenges and opportunities
Anemie Schols, Maastricht, The Netherlands
The importance of screening for frailty – A practical approach
Bruno Vellas, Toulouse, France
Tools to measure frailty and sarcopenia
Jean Woo, Shatin, Hong Kong
Common pathways of cachexia pathophysiology
Stefan D. Anker, Göttingen, Germany
Cancer and cachexia
Kenneth Fearon, Edinburgh, UK

12:15-13:15 - Lunch symposia

13:30 - 15:30 - PLENARY SESSION
Josep Argiles, Barcelona, Spain - TBA

“Prometheus” basic science key note lecture
Muscle signalling and molecular – Update 2015
David Glass, Basel, Switzerland
Origin of anorexia nervosa and gut bacterial proteins: A new link to appetite control
Sergueï Fetissov, Rouen, France
Skeletal muscle degeneration and regeneration in mice and flies
Miranda Grounds, Perth, WA, Australia
Cellular aging of skeletal muscle
Steven Cummings, San Francisco, CA, USA
Regulation of muscle microenvironment in cancer cachexia
Denis Guttridge, Columbus, OH, USA

15:30 - 16:00 - Coffee Break

SATURDAY, 5 DECEMBER 2015

07:00 - 08:15 - Morning Symposia

08:30 - 10:00 - CLINICAL TRACK
Muscle wasting and cachexia in chronic illness – Update 2015
Stefan D. Anker, Göttingen, Germany – Giovanni Mantovani, Cagliari, Italy

COPD
Michael Polkey, London, UK
Heart failure
Stephan von Haehling, Göttingen, Germany
Cancer
Aminah Jatoi, Rochester, MN, USA
Chronic kidney disease
Kamyar Kalantar-Zadeh, Orange, CA, USA
Stroke and Alzheimer’s disease
Wolfram Doehner, Berlin, Germany

08:30 - 10:00 - BASIC TRACK
Muscle wasting and cachexia basics
Jochen Springer, Göttingen, Germany – Denis Guttridge, Columbus, OH, USA

Protein synthesis in muscle – Update 2015
William Evans, Durham, NC, USA
The role of microglia in the induction and maintenance of cachexia
Daniel Marks, Portland, OR, USA
The role of TWEAK-Fn14 signalling in muscle wasting
Ashok Kumar, Louisville, KY, USA
IGF signalling and skeletal muscle energetics
Mara Fornaro, Basel, Switzerland
Senescence in sarcopenia induced muscle loss
Pura Muñoz-Cánoves, Barcelona, Spain
Panel Discussion
### 11:00 - 12:30 - **CLINICAL TRACK**

**Sarcopenia, frailty and dysmobility**
Bruno Vellas, Toulouse, France - TBA

- Validity of different sarcopenia and frailty definitions
  John E. Morley, St. Louis, MO, USA
- Motor nerve units and aging muscle
  Cornel Sieber, Nuremberg, Germany
- Sarcopenia, the cardiometabolic syndrome and testosterone
  Liang-Kung Chen, Taipei, Taiwan
- Exercise and sarcopenia
  Hidenori Araki, Kyoto, Japan
- The dysmobility syndrome
  Marcello Maggio, Parma, Italy
- New therapeutic target and interventions in dysmobility syndrome
  Emanuele Marzetti, Rome, Italy

**Panel Discussion**

### 11:00 - 12:30 - **BASIC TRACK**

**Cellular aging of bone and muscle**
Steven Cummings, San Francisco, CA, USA
James Carson, Columbia, SC, USA

- Autophagy and aging muscle
  Marco Sandri, Padova, Italy
- The impact of oxidative stress and mitochondrial dysfunction in muscle and nerves: Lessons from animal models
  Holly van Remmen, Oklahoma City, OK, USA
- Mitochondria, oxidative stress and muscle fat in human aging
  Paul Coen, Orlando, FL, USA
- Translation approaches to miRNA based therapeutic approaches in cardiac atrophy and hypertrophy
  Thomas Thum, Hannover, Germany

### 12:45 - 13:45 - **Lunch symposia**

### 14:00 - 15:30 - **BODY COMPOSITION TRACK**

**Body composition assessments in clinical practice**
Steven B. Heymsfield, Baton Rouge, LA, USA
Stephan von Haehling, Göttingen, Germany

- Advances in magnetic resonance imaging assessment of skeletal muscle mass and composition
  Anette Karlsson, Linköping, Sweden
- Bioimpedance analysis measures and frailty
  Adrian Slee, Lincoln, UK
- Advances in ultrasound technology for quantifying skeletal muscle mass
  Daren K. Heyland, Kingston, ON, Canada
- Advances in dual-energy X-ray absorptiometry technology
  John Shepherd, San Francisco, CA, USA
- Advances in CT-scanning for the assessment of body composition
  Vickie Baracos, Edmonton, AB, Canada
- Stable isotopes to assess muscles mass
  Marc Hellerstein, Berkeley, CA, USA

### 14:00 - 15:30 - **CLINICAL TRACK**

**Tissue wasting in special populations**
Akio Inui, Kagoshima, Japan - TBA

- Appetite and nutrition in patient with cancer cachexia
  Egidio del Fabbro, Richmond, VA, USA
- Anti-cancer drug toxicity and its impact on muscle mass and function
  Sami Antoun, Villejuif, France
- Cachexia in palliative care: Focus on multimodal management including disease-specific treatment
  Florian Stroesser, St. Gallen, Switzerland
- Muscle wasting and cachexia in the ICU vs ICA-acquired weakness
  Zudin A. Patharcheary, London, UK
- Cachexia in children
  Robert Mak, San Diego, CA, USA

**Panel Discussion**

### 15:30 - 16:30 - **Coffee break and science**

- 15:40-16:20 Poster viewing session 2
- 15:40-16:20 Rapid fire abstract session 2 (8 highlighted abstracts)

### 16:30 - 18:30 - **CLINICAL TRACK**

**Late breaking clinical trials**
TBA

- Grehlin RAMONA trials – Update 2015
  Jeffrey Crawford, Durham, NC, USA
- Enobosarm trial programme – Update 2015
  Sambiguous, Basel, Switzerland
- Several open slots

**Panel Discussion**

### 16:30 - 18:30 - **BASIC TRACK**

**Tissue wasting mechanisms – Update 2015**
David Glass, Basel, Switzerland
Serguei Fetissov, Rouen, France

- Impaired regeneration as a component of skeletal muscle wasting in cancer cachexia
  Denis Gatt威, Columbus, OH, USA
- Mesoangioblasts as potential tools for muscle regenerative medicine
  Maurolo Sampaolesi, Pavia, Italy
- Autophagy and muscle wasting
  Paola Costelli, Turin, Italy
- Lipid metabolism and thermogenesis in cancer cachexia
  Graham Robertson, Sydney, NSW, Australia
- Emerging role of mitochondrial dysfunction in muscle wasting
  James Carson, Columbia, SC, USA
- Inflammation and muscle wasting – Update 2015
  Josep Angiles, Barcelona, Spain
- Cachexia and muscle wasting: The emerging role of gut microbiota
  Nathalie Delzenne, Brussels, Belgium

**Panel Discussion**

### 19:00 - 20:30 - **Wine and cheese reception and poster viewing**
### Sunday, 6 December 2015

#### 08:00 - 09:30 - Young Investigators Awards Session Clinical and Basic
- **Kenneth Fearon**, Edinburgh, UK
- **Denis Guttridge**, Columbus, OH, USA

**Judges**
- Josep Argiles, Barcelona, Spain
- David Glass, Basel, Switzerland
- Annemie Schols, Maastricht, The Netherlands
- William Evans, Durham, NC, USA
- Holly van Remmen, Oklahoma City, OK, USA
- Akio Inui, Kagoshima, Japan

**Finalists**
- 3 abstracts clinical / 3 abstracts basic
- Presentations will be selected from submitted abstracts. Each presenter has 10 min for presentation and 5 min for discussion by the panel of chairs and judges.

#### 08:00 - 09:30 - Clinical Track

**Frailty and disease**

*Diabetes accelerates frailty and sarcopenia*
  - John E. Morley, St. Louis, MO, USA

*MID-FRAIL: Diabetes and aging*
  - Leocadio Rodriguez-Manas, Madrid, Spain

*SPRINT-T*
  - Roberto Bernabei, Rome, Italy

**Testosterone and frailty**

**Testosterone, muscle and disability**
  - Garry Wittert, Campbelltown, NSW, Australia
  - Mitja Lainscak, Celje, Slovenia

#### 09:30-10:00 Coffee break and science

*09:40-10:20 Poster viewing session 3*
*09:40-10:20 Rapid fire abstract session 3 (8 highlighted abstracts)*

#### 10:30 - 12:00 - Basic Track

**Biomarkers for cachexia classification and intervention studies**
- Stefan D. Anker, Göttingen, Germany
- Kenneth Fearon, Edinburgh, UK
- John E. Morley, St. Louis, MO, USA

**The genome**
  - Neil Janes, Birmingham, UK

**The urinary proteome**
  - Richard Skipworth, Edinburgh, UK

**The muscle proteome**
  - Carsten Jacobs, Basel, Switzerland

**The muscle mass**
  - William Evans, Durham, NC, USA

**The muscle function**
  - Matthew Maddocks, London, UK

**Panel Discussion: What can be the consensus from this research?**

#### 12:15 - 13:15 - Lunch symposia

#### 13:30 - 15:00 - Plenary Session

**Developing therapies for cachexia and sarcopenia**
  - TBA

**REGN 1033**
  - Roger Fielding, Boston, MA, USA

**Inclusion body myosotis**
  - TBA

**Espindolol**
  - Andrew Coats, Melbourne, Australia

**The regulators’ comments**
  - Giuseppe Rosana, London, UK

**Panel Discussion**

#### 15:00-15:30 Coffee break

#### 15:30 - 16:30 - Plenary Session

**Highlights**
  - Bruno Vellas, Toulouse, France
  - Stefan D. Anker, Göttingen, Germany
  - John E. Morley, St. Louis, MO, USA
  - Annemie Schols, Maastricht, The Netherlands

**Basic science and pathophysiology**
  - Denis Guttridge, Columbus, OH, USA

**Body composition**
  - Stephen Heymsfield, Baton Rouge, LA, USA

**Sarcopenia**
  - Maurizio Muscaritoli, Rome, Italy

**Nutrition**
  - Nicolaas Deutz, College Station, TX, USA

**Treatment of cachexia**
  - Andrew Coats, Melbourne, Australia

**Panel Discussion**

#### 16:30 Awards ceremony

**Poster Award - Young Investigator Award**
REGISTRATION

☐ Ms.  ☐ Mr.  ☐ Mrs.  ☐ Dr.  ☐ Prof.

Last Name: ____________________________  First Name: ____________________________

Date of birth: ____________________________  Position: ____________________________

Institution/Affiliation: ____________________________  Address: ____________________________

Postal Code: __________  City: ____________________________

Country: ____________________________  Tel: ____________________________  Fax: ____________________________

E-mail: ____________________________

☐ I wish to attend the 8th Cachexia Conference, Paris, France

Registration Fee, including taxes:

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<th>Until September 15, 2015</th>
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<tr>
<td>Medical professionals</td>
<td>€ 650</td>
<td>€ 800</td>
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<td>Doctors, scientists, students (up to 35 years)</td>
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PAYMENT

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- Cancellation of registration before November 1, 2015: 50% refund of registration fee.
- Cancellation of registration after November 1, 2015 no reimbursement.
EDUCATIONAL OBJECTIVES:

Following this activity, the audience will be able to:

1. Review the latest information about the pathophysiology of muscle wasting and its epidemiology.
2. Screen for and diagnose cachexia, sarcopenia, frailty and dysmobility resulting from the following diseases or chronic conditions: cancer, cardiovascular disease, COPD, CKD, dementia/Alzheimer’s disease, diabetes, infectious diseases, stroke and aging.
3. Develop appropriate management programs for patients across the continuum of care.

TARGET AUDIENCE:

Internists, oncologists, cardiologists, gerontologists, palliative care specialists, primary care physicians and nurses.

Online registration:
www.cachexia.org
You also may use the attached form to register in advance.

PRACTICAL INFORMATION

> Dates
Friday, December 4, 2015 to Sunday, December 6, 2015

> Abstracts
Deadline for receipt of abstracts: The abstract deadline is July 30, 2015.
Deadline for late-breaking research and clinical trial abstracts is September 30, 2015.
All abstracts will be published in the Journal of Cachexia, Sarcopenia and Muscle (JCSM).

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