

Exercise, Muscle & Metabolism 2013

4 – 6 December, 2013

Medical Building
The University of Melbourne
Parkville VIC 3010 Australia



THE UNIVERSITY OF

MELBOURNE



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EXERCISE AND ACTIVE LIVING

Exercise, Muscle & Metabolism 2013

4 - 6 December 2013

Conference Programme

Wednesday, 4 December, 2013

- 17.30 – 18.30 REGISTRATION
- 18.30 – 19.30 SANDFORD L. SKINNER ORATION
Raising HDL: drugs vs. exercise
Prof. Bronwyn Kingwell, Australia
- 19.30 – 20.30 RECEPTION

Thursday, 5 December, 2013

- 9.00 – 10.30 KEYNOTE
Distributed control of glucose uptake in working skeletal muscle
Prof. David Wasserman, USA
- 10.30 – 11.00 MORNING TEA
- 11.00 – 11.45 ***Skeletal muscle AMPK: role in regulating systemic energy metabolism***
Dr. Greg Steinberg, Canada
- 11.45 – 12.30 ***Skeletal muscle microRNAs and adaptation to exercise***
Assoc. Prof. Aaron Russell, Australia
- 12.30 – 13.30 LUNCH
- 13.30 – 14.15 KEYNOTE
Nutritional strategies to attenuate muscle disuse atrophy
Prof. Luc Van Loon, The Netherlands
- 15.00 – 17.00 POSTER PRESENTATIONS
AFTERNOON TEA

Friday, 6 December, 2013

- 9.00 – 10.30 KEYNOTE
Physiological adaptations to high intensity training (HIT) in health and disease
Prof. Martin Gibala, Canada
- 10.30 – 11.00 MORNING TEA
- 11.00 – 11.45 ***Variability in exercise adaptations: molecular mechanisms***
Prof. John Hawley, Australia
- 11.45 – 12.30 ***Therapeutic strategies based on the molecular mechanisms underlying exercise-induced cardiac hypertrophy***
Dr. Julie McMullen, Australia
- 12.30 – 13.30 LUNCH
- 13.30 – 14.15 ***The heat shock protein response in skeletal muscle***
Dr. Noni Frankenberg, Australia
- 14.15 – 15.00 ***Revealing the secrets of low load, blood flow restricted resistance exercise: mechanisms of action and potential for muscle damage***
Dr. Truls Raastad, Norway
- 15.00 – 15.30 AFTERNOON TEA
- 15.30 – 16.15 ***HDAC inhibition mimics aspects of the exercise adaptive response and enhances muscle metabolism***
Dr. Sean McGee, Australia
- 16.15 – 17.00 ***Metabolic reprogramming of skeletal muscle stem cells***
Dr. James Ryall, USA
- 17.00 CLOSE

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Abstract Submission

Abstracts for poster presentations should be submitted electronically as MS Word files to:

Prof. Mark Hargreaves
Department of Physiology, The University of Melbourne
m.hargreaves@unimelb.edu.au

Abstract deadline: 18 November, 2013

Abstract formatting

General

The general format of the abstract must conform to the requirements of the Proceedings of the Australian Physiological and Pharmacological Society. The entire abstract should fit on a single A4 page with 2 cm margins all around and the number of words should not exceed 800. Use Times New Roman 12 pt.

Title

The title should be grammatical English without a full stop, capitalised and bold.

Name(s) and Institutional affiliation(s)

The name of the presenting author should be listed first or underlined. The address should identify where the work was done. Text should be italicised.

Text

The text should contain enough detail to be self-explanatory. If abbreviations are used they must be defined at first appearance (but not in the title). S.I. units should be used.

Citations

Use the Harvard system as employed by The Journal of Physiology, except that the ampersand (&) should appear only in references and bracketed citations, not in the text. Bracketed citations of works with three or more authors should use the form Smith *et al.*, 2001.

References

The cited works must be listed after the text, alphabetically by the authors' surnames, then chronologically if necessary. The reference must include all authors' names, year of publication, and full title of journal (e.g., Journal of Physiology not J. Physiol.), the volume number and first and last pages of the article. For a book, include the title, editor, edition if applicable, specific page reference if applicable, city of publication and publisher.

Figure

Only one figure (line drawing or half tone) is permitted. It should bear no title or legend and be unnumbered. Its location should be *within* in the text (not before or after), be appropriately described in the text and referred to as "the Figure". Lettering should be approximately 12 pt.

Table

Only one table is permitted. It should be typed in the appropriate position in the text and ruled with 0.5 mm black lines. It should have no number title or legend and be referred to as "the Table".

Animal Experiments

All abstracts that deal with animal experimentation *in vivo* should include the names, doses (where applicable) and modes of administration of all anaesthetic, tranquilizing and muscle relaxant drugs employed. Users of *in vitro* materials should make it clear that tissue was removed from anaesthetised or dead animals.

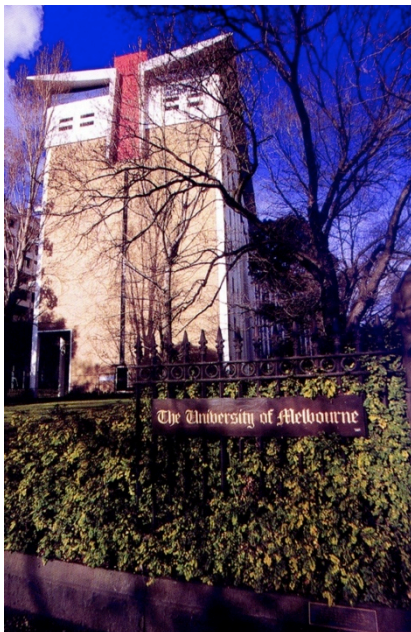
Poster presentations

Free communications will be presented as posters on Thursday, 5 December, 2013. It is desirable for posters to be on display during the entire day to facilitate interaction between conference attendees and poster authors, who are expected to be in attendance during the specific poster session between 3.00 and 5.00 pm. Poster board dimensions are 1.2 m wide x 1.8 m high – it is recommended that posters be no larger than 1.2 m x 1.2 m.

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Venue

The conference will be held in the Medical Building (181) on the Parkville Campus of The University of Melbourne. The Medical Building is on the NE corner of the Royal Pde – Grattan St intersection in Parkville. The Sandford L. Skinner Oration will be held in the Wright Theatre on Level 4; all other lectures will be in the Frederic Wood Jones Theatre on Level 3.



Accommodation

The University of Melbourne is located ~2km from the centre of Melbourne. There are numerous hotel options in the Melbourne CBD, Carlton, Nth. Melbourne and Parkville areas.

All enquiries should be made directly with the hotel/motel. No arrangements will be made by the conference organisers.

Car parking on and around campus is limited.

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Conference Registration Form

Name:	Title:
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Address:	
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Phone:	Fax:
Email:	

*Supervisor to complete if student attending EMM Conference

I certify that: Students name	Is a full-time students at: College /University
Supervisor Name:	Position:
Signature:	Department:

Fees:	Full	AUD\$165.00 (GST Inclusive)	<input type="checkbox"/>	No attending	<input type="checkbox"/>
Fees::	AuPS Geelong attendee	AUD\$148.50 (GST inclusive)	<input type="checkbox"/>	No attending	<input type="checkbox"/>
Fees:	*Student	AUD\$110.00 (GST Inclusive)	<input type="checkbox"/>	No attending	<input type="checkbox"/>

Payment Method	Bankcard	Master Card	Visa	Cheque	Money Order	Expiry Date
Credit Card number:						
Print Name as on Card:						
Signature of card holder:						

Cheque or money order payable to "The University of Melbourne", in AUD\$ and drawn on an Australian bank if possible.

**Please complete this form and forward with your payment to:
Prof. Mark Hargreaves, Department of Physiology, The University of Melbourne, VIC,
3010, Australia; m.hargreaves@unimelb.edu.au**

The University of Melbourne, Department of Physiology Office Only		
Date Received / /	Account #	
Amount Received \$	Cheque No.	Signed by

Cancellation/Refund Policy: All cancellation requests must be in writing or by e-mail. Cancellations received at The University of Melbourne on or before 18 November, 2013 are entitled to a full refund of registration. Cancellation requests received after that date will be subject to a 25% cancellation fee.