

Monday, March 6

BREAKFAST

Mesquite Dining Room

07:00 Breakfast buffet available from 07:00 to 08:00.

WORKSHOP

THERMOMETRY 2006

Saguaro Ballroom I, II, III

Chairs: Gorbach AM; *National Institutes of Health, Bethesda, Maryland, USA*
Mercer JB; *University of Tromsø, Tromsø, Norway*

08:00 Radiotelemetric thermometry

Gordon CJ; *US EPA, Research Triangle Park, North Carolina, USA*

08:10 Optical thermometry

Merla A; *University of Chieti-Pescara, Chieti Scalo, Italy*

08:20 Noninvasive temperature monitoring using microwave technology

Meaney PM; *Dartmouth College, Hanover, New Hampshire, USA*

08:30 Noninvasive temperature estimation using pulse-echo ultrasound

Ebbini ES; *University of Minnesota, Minneapolis, Minnesota, USA*

08:40 MRI-based temperature monitoring

McDannold NJ; *Harvard Medical School, Boston, Massachusetts, USA*

08:50 Interactive panel discussion (40 min)

Discussion leaders: Gorbach AM, Mercer JB

Panel members: Ebbini ES, Gordon CJ, Merla A, Meaney PM, McDannold NJ

COFFEE BREAK

Outside Saguaro Ballroom I, II, III

09:30 Refreshments provided.

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FRONTIERS OF THERMOREGULATION

Saguaro Ballroom I, II, III

Chairs: Blatteis CM; *University of Tennessee, Memphis, Tennessee, USA*
Gerstberger R; *Justus-Liebig University Giessen, Giessen, Germany*
Horowitz M; *The Hebrew University, Jerusalem, Israel*
Kanosue K; *Waseda University, Tokorozawa, Japan*
Mitchell D; *University of Witwatersrand, Johannesburg, South Africa*
Taylor NA; *University of Wollongong, Wollongong, Australia*

10:00 Introduction

Blatteis CM; *University of Tennessee, Memphis, Tennessee, USA*

Award-winning presentations by young scientists

10:05 Resuscitation from experimental heatstroke by human umbilical cord blood cells or estrogen

Chen S-H, Lin M-T; *National Chung Kung University, Tainansity, Taiwan*

10:20 Neonatal programming of the neuroimmune response: stimulus specific changes elicited by bacterial and viral mimetics

Ellis S, Mouihate A, Pittman QJ; *University of Calgary, Calgary, Canada*

10:35 Sable Systems Comparative Biology Presentation

Uncoupling protein 1 in fish uncovers an ancient evolutionary history of mammalian nonshivering thermogenesis

Jastroch M, Brand MD, Kloas W, Klingenspor M
Philipps University, Marburg, Germany

10:50 Direct projection of prostaglandin EP3 receptor-expressing preoptic neurons to the dorsomedial hypothalamus mediates febrile responses

Nakamura Y, Nakamura K, Matsumura K, Kobayashi S,
Kaneko T, Morrison SF
Oregon Health & Science University, Beaverton, Oregon, USA

11:05 Enhanced cerebral CO₂ reactivity during strenuous exercise in man

Rasmussen P, Stie H-H, Nielsen B, Nybo L
University of Copenhagen, Copenhagen, Denmark

11:20 Closing remarks

Kanosue K; Chair, Thermal Section, IUPS
Shido O, Watanabe T; Chairs, 3rd PPTR Meeting, 2009

11:30 Meeting ends.