

PROGRAMME AT A GLANCE

INTERNATIONAL CONFERENCE ON METABOLIC DISEASE
 ANZBMS 13th Annual Scientific Meeting in conjunction with IBMS
 Hyatt Regency Coolum, Queensland, Australia
 Tuesday 10 June – Friday 13 June 2003

TIME	TUESDAY 10/06/03	WEDNESDAY 11/06/03	THURSDAY 12/06/03	FRIDAY 13/06/03
07:30	Registration Desk Opens	07:00 MSD Fun Run starts		
AM	08:20 Mt Coolum Room WELCOME G. Rodan and M.J. Hooper SYMPOSIUM Celebration of the work of T.Jack Martin Speakers: Gideon Rodan Tatsuo Suda Larry Raisz	08:00 Mt Coolum Room PLENARY 1 Bone Biology – past, present and future? T.Jack Martin 09:00 ANZBMS Young Investigator Presentations Mt Coolum Room O01-O06	08:00 Mt Coolum Room PLENARY 4 Speakers: J-Philippe Bonjour B. Lawrence Riggs John Kanis 09:30 CONCURRENT SESSIONS Free Oral Communications O19-O24 Yaroomba Room O25-O30 Mt Coolum Room	08:00 CONCURRENT SESSIONS Free Oral Communications O43-O48 Yaroomba Room O49–O54 Mt Coolum Room
	10:00 – 11:00 REFRESHMENTS The Pavilion	10:30-11:00 REFRESHMENTS The Pavilion	11:00-11:30 REFRESHMENTS The Pavilion	09:30 – 10:00 REFRESHMENTS Mt Coolum Terrace
AM	11:00 Mt Coolum Room SYMPOSIUM Celebration of the work of T.Jack Martin Speakers: Hank Kronenberg Steve Krane Greg Mundy	11:00 Mt Coolum Room PLENARY 2 Speakers: Gerard Karsenty John Eisman Nicky Partridge Roger Bouillon	11.30 CONCURRENT SESSIONS Free Oral Communications O31-O36 Yaroomba Room O37-O42 Mt Coolum room	10:00 Mt Coolum Room PLENARY 7 Speakers: Claus Christiansen Pierre Delmas Michael Hooper Jill Cornish Tim Cundy 12:00 Mt Coolum Room CLOSE OF MEETING Ego Seeman
LUNCH	12:30-14:00 LUNCH & Trade Exhibition and Posters The Pavilion	13:00-14:00 LUNCH & Trade Exhibition and Posters The Pavilion	13:00 – 14:00 LUNCH & Trade Exhibition and Posters The Pavilion 13:30 ANZBMS General Meeting and Presentation of Awards Mt Coolum Room	
PM	14:00 Mt Coolum Room SYMPOSIUM Celebration of the work of T.Jack Martin Speakers: Armen Tashjian Herbert Fleisch Graham Russell Etsuro Ogata	14:00 CONCURRENT SESSIONS Basic Science Free Oral Communications O07-O12 Yaroomba Room Clinical Science Free Oral Communications O13-O18 Mt Coolum Room	14:15 Mt Coolum Room PLENARY 5 Speakers: Pierre Delmas Jude Onyia T Jack Martin	
	16:00 – 16:30 REFRESHMENTS The Pavilion	15:00 – 15:30 REFRESHMENTS The Pavilion	15:45 – 16:00 REFRESHMENTS Mt Coolum Terrace	
PM	1630 Mt Coolum Room SYMPOSIUM Does the bench get to the bedside? Chair: T Jack Martin	15:30 Mt Coolum Room PLENARY 3 Speakers: Francis Glorieux Jeff Zajac Matt Gillespie Paddy Ross Larry Suva	16:00 Mt Coolum Room PLENARY 6 Speakers: Ego Seeman Richard Eastell Ian Reid	
EVENING	Free Evening	17:35- 19:00 Welcome Cocktails 19:00 – 20:00 Poster Viewing	19:00 – 22:00 Conference Dinner Village Square Pool	

ACKNOWLEDGMENTS

The Australian and New Zealand Bone and Mineral Society gratefully acknowledges the support from the following companies and organisations:

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President	Associate Professor Michael Hooper
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Programme Organising Committee
Howard Morris (Chair), Nick Fazzalari, David Findlay, Edith Gardiner, Michael Horowitz, Allan Need, Ego Seeman

**PAST & PRESENT COUNCILLORS
1990 – 2002**

Year	President	V President	Secretary	Treasurer	Councillors
1990 (Steering Group)	T J Martin		M Hooper		A Need, R Prince, J Eisman, I Reid, K Ibbertson, D Fraser, P Sambrook, E Seeman
1991-93 (Inaugural Council)	T J Martin		M Hooper	M Hooper	J Eisman, A Goulding, D Perry-Keen, J Wark, A Need, N Kent
1993-95	J Eisman	I Reid	N Kent	J Wark	P Sambrook, A Need, R Prince, D Perry-Keene, E Seeman
1995-97	I Reid	N Kent	J Moseley	P Ebeling	P Sambrook, A Need, R Prince, D Perry-Keene
1997-99	N Kent	P Ebeling	J Moseley	P Ebeling	R Prince, I Reid, M Hooper, H Morris, M Forwood
1999-01	P Ebeling	M Hooper	J Cornish	M Forwood	J Moseley, H Morris, E Mackie, M Zheng
2001-03	M Hooper	E Seeman	J Cornish	M Forwood	R Mason, R Price, G Nicholson, D Findlay

**AUSTRALIAN & NEW ZEALAND
BONE & MINERAL SOCIETY**

Past Award Recipients

ROGER MELICK YOUNG INVESTIGATOR AWARD

1996	-	Vicky Kartsogiannis
1997	-	Linda Crofts
1998	-	Janelle Barry
1999	-	Liza-Jane Raggatt
2000	-	Sandra Iuliano-Burns Nathan Pavlos

2001	-	David Good
2002	-	Kun Zhu

CHRISTOPHER and MARGIE NORDIN YOUNG INVESTIGATOR POSTER AWARD

1997	-	Anne Nelson Hidenori Murata
1998	-	Marianne Holzherr
1999	-	Tanya Uebergang
2000	-	Josef Kaplan
2001	-	Rebecca Jackson
2002	-	Nathan Pavlos

PROGRAMME INFORMATION

Data Projection

PowerPoint is the preferred method of presentation – single projection only. CD's and disks should be handed to Mark Stevens, the AV Director, 24 hours before the scheduled time for presentation. Mark can be contacted before or after sessions. He will be available in the Mt Coolum Room from 17:30 – 19:00 pm on Monday 9 June, from 07:30 – 18:00 on Tuesday, Wednesday and Thursday 10, 11 and 12 June and from 07:00 on Friday 13 June.

All presentations will be transferred to a master laptop for circulation to Sessions. There will be an operator in each room to ensure the presentation is available as the speaker goes to the lectern. A laser pointer will be provided.

Slide Projection

Presenters wishing to use slides should also contact Mark Stevens to obtain a carousel. Slides should be loaded into the carousel no later than the major break prior to the Session. Only one slide projector is available for each Session. Slides should be collected from the AV technician after the Session.

Posters

Access to the Pavilion will be from 17:00 on Monday 9 June and from 07:30 on Tuesday 10 June. The poster boards are numbered and velcro pieces are available at each board. Posters must be removed no later than 13:30 on Thursday 12 June. The main time for poster viewing will be from 19:00 – 20:00 after the Welcome Cocktails on Wednesday 11 June, but posters will be on display all day on Tuesday 10 June, Wednesday 11 June and until lunchtime on Thursday 12 June.

GENERAL INFORMATION

Venue

Participants are requested to refrain from smoking in the conference venue and at all social functions.

Registration Desk

The registration desk will be open at the following times:

Monday 9 June	17:00 – 19:00
Tuesday 10 June	07:30 – 17:30
Wednesday 11 June	07.30 – 17:30
Thursday 12 June	08:00 – 17:30
Friday 13 June	08:00 – 13:00

Mobile Phones

Please ensure that all mobile phones are switched to silent mode during scientific Sessions.

Refreshments

Morning and afternoon refreshments and lunches will be served in the trade exhibition area.

SOCIAL PROGRAMME

Wednesday 11 June

Fun Run/Walk for Healthy Bones: 07:00

Sponsored by Merck, Sharp & Dohme

Enjoy an early morning run starting at the Village Square to the Beach House and back - runners and walkers equally welcome! Entrants should register at the MSD stand for full information.

Wednesday 11 June

Welcome Cocktails: 17:35 – 19:00

Finger food, beer, wine and soft drinks will be served in the Pavilion. Entry is free for all full-time registrants. Extra tickets are available from the registration desk at a cost of \$50 per person. Coffee and dessert will be served between 19:00 – 20:00 during the Poster Viewing Session. Dress: Casual.

Thursday 12 June

Conference Dinner: 19:00 – 22:30

This is a special occasion to celebrate the career of Professor T Jack Martin. Dinner will be served alongside the pool in the Hyatt Regency Coolum Village Square. Entertainment will be by Midnight Groove. Dinner tickets are included in all full-time registrations. Extra tickets are available from the registration desk until 12 noon on Wednesday 11 June at a cost of \$95 per person and \$70 per student member. Dress: Smart Casual

TRADE EXHIBITION

In recognition of the very generous support of our sponsors, please take time to visit the booths in the Pavilion and speak with company representatives. The exhibition will be open at the following times:

Tuesday 10 June	09:30 – 16:30
Wednesday 11 June	10:00 – 15:30
Welcome Cocktails	17:30 – 19:00
Thursday 12 June	10.30 – 14:00

Continued next page...

Symposium Celebration of the work of T. Jack Martin

Tuesday 10 June 2003

- VENUE:** Mt Coolum Room
08:20 Welcome:
Gideon Rodan, President IBMS and Michael Hooper, President ANZBMS
- 08:30-10:00** **SESSION 1**
Chair: Greg Mundy
- 08:30 IP1 CHOLESTEROL EFFECTS ON OSTEOCLAST APOPTOSIS
E Luegmayr, GA Rodan, A Reszka (USA)
- 09:00 IP2 OSTEOBLASTS AND OSTEOCLASTS – A TOUCHING
COUPLE – HOW WAS ODF/RANKL DISCOVERED AND
IDENTIFIED? –
T Suda, N Takahashi, N Udagawa, N Shima, K Higashio, TJ Martin (Japan and
Australia)
- 09:30 IP3 PROSTAGLANDINS - STILL CRAZY AFTER ALL THESE YEARS
LG Raisz (USA)
- 10:00** **Refreshments – The Pavilion**
- 11:00 – 12:30** **SESSION 2**
Chair: John Potts
- 11:00 IP4 PTHrP AND SKELETAL DEVELOPMENT
H Kronenberg (USA)
- 11:30 IP5 COLLAGEN TURNOVER AND BONE
S Krane, M Inada, Y Wang, C Miyaura, M Byrne (USA and Japan)
- 12:00 IP6 THE SEED AND THE SOIL
GR Mundy (USA)
- 12:30** **Lunch and Trade Exhibition – The Pavilion**
- 14:00 -16:00** **SESSION 3**
Chairs: Rheinhard Ziegler and Conrad Johnston
- 14:00 IP7 PTH - FROM HORMONE TO DRUG
AH Tashjian (USA)
- 14:30 IP8 BISPHOSPHONATES: FROM SOAP SUDS TO A DRUG
H Fleisch (Switzerland)
- 15:00 IP9 BACK TO THE BEGINNING: PYROPHOSPHATE REVISITED
G Russell (UK)
- 15:30 IP10 VITAMIN D THERAPY AND OSTEOPOROSIS
E Ogata (Japan)
- 16:00** **Refreshments – The Pavilion**
- 16:30-17:00** **SESSION 4**
DOES THE BENCH GET TO THE BEDSIDE?
Chair: Jack Martin

-- FREE EVENING --

**International Conference on Metabolic Bone Disease
Combined ANZBMS and IBMS Meeting 2003
SCIENTIFIC PROGRAMME**

Wednesday 11 June

- 07:00** **MSD Fun Run**
- 08:00 – 09:00** **Session 1**
Plenary 1: Mt Coolum Room
Chair: Gideon Rodan and Michael Hooper
- 08:00 IP11 BONE BIOLOGY – PAST, PRESENT AND FUTURE?
T. Jack Martin
- 09:00 – 10:30** **Session 2**
Roger Melick Young Investigator Presentations: Mt Coolum Room
Chairs: Geoffrey Nicholson and Kong Wah Ng
- 9:00 O01 POLYALANINE DELETION POLYMORPHISM IN *RUNX2* IS
ASSOCIATED WITH AN INCREASED RISK OF FRACTURE AND DECREASED
SERUM OSTEOCALCIN LEVELS
A Stephens, T Vaughan, P Cheras, M Kotowicz, GC Nicholson, NA Morrison
(Australia)
- 09:15 O02 11ALA AND A ALLELES OF *RUNX2* ASSOCIATED WITH BMD
IN SCOTTISH WOMEN; INTERACTION OF *RUNX2* ALLELES
WITH WEIGHT
T Vaughan, D Reid, NA Morrison, S Ralston (Australia & UK)
- 09:30 O03 INHIBITORS OF THE MEVALONATE PATHWAY SENSITISE
OSTEOSARCOMA CELLS TO APO2L/TRAIL-INDUCED CELL
DEATH
A Labrinidis, OK Nguyen, S Bouralexis, S Hay, DM Findlay and
A Evdokiou (Australia)
- 09:45 O04 REGULATION OF GENE EXPRESSION BY THE CYP27B1
PROMOTER IN THE KIDNEY
I Hendrix, PH Anderson, BK May and HA Morris (Australia)
- 10:00 O05 TELEVISION WATCHING, TYPE AND LEVEL OF PHYSICAL
ACTIVITY AND UPPER LIMB FRACTURE RISK IN CHILDREN
DQ Ma, G Jones (Australia)
- 10:15 O06 STRUCTURAL BASIS FOR DIFFERENCES IN FEMORAL
NECK FRAGILITY IN CHINESE AND CAUCASIANS
XF Wang, Y Duan, TJ Beck, E Seeman (Australia & USA)
- 10:30** **Refreshments – The Pavilion**
- 11:00 – 12:30** **Session 3**
Plenary 2: Mt Coolum Room
Chairs: Edith Gardiner and Philip Sambrook
- 11:00 IP12 BRAIN MATTERS TO BONE MORE THAN THOUGHT
G Karsenty (USA)
- 11:30 IP13 OSTEOPOROSIS GENETICS OF FRAGILITY – OF MICE AND MAN
JA Eisman (Australia)
- 12:00 IP14 COLLAGENASE GENES AND REGULATION
N Partridge (USA)

WEDNESDAY 11 JUNE (CONT)

12:30 IP15 VITAMIN D - A MAN FOR ALL SEASONS
R Bouillon (Belgium)

13:00 LUNCH AND TRADE EXHIBITION – The Pavilion

14:00 – 15:00

CONCURRENT SESSIONS

Session 4: Basic Science

Yaroomba Room

Chairs: Jane Moseley and David Findlay

- 14:00 O07 MYELOMA CELLS CONTRIBUTE DIRECTLY TO THE POOL OF RANKL (TNFSF11) IN THE BONE MICROENVIRONMENT
FPL Lai, JW Sentry, HG Schneider (Australia)
- 14:10 O08 BIPHASIC EFFECTS OF GM-CSF ON OSTEOCLASTOGENESIS FROM HUMAN CORD BLOOD
JM Hodge, MA Kirkland, CJ Aitken, CM Lopez, DE Myers (Australia)
- 14:20 O09 STUDIES ON THE MECHANISM OF INHIBITION OF OSTEOCLAST DIFFERENTIATION BY PAR-2
R Smith, M Ransjö, RN Pike, EJ Mackie (Australia & Sweden)
- 14:30 O10 ANALYSIS OF THE L-AMINOACID BINDING SITE ON THE CALCIUM-SENSING RECEPTOR BY SITE-DIRECTED MUTAGENESIS
AD Conigrave, AH Franks and H-C Mun (Australia)
- 14:40 O11 THE SPECIFIC NFATC-BLOCKERS, 3,5-BISTRIFLUOROMETHYL PYRAZOLES (BTPS), ARE POTENT INHIBITORS OF HUMAN OSTEOCLAST DIFFERENTIATION.
CM Lopez, C Day, JM Hodge, MJ Constable, CJ Aitken, NA Morrison, GC Nicholson (Australia)
- 14:50 O12 ACCELERATED MICRO-STRUCTURAL CHANGE AT LOW BONE VOLUME
IH Parkinson and NL Fazzalari (Australia)

14:00 – 15:00

Session 5: Clinical

Mt Coolum Room

Chairs: Richard Prince and Christopher Nordin

- 14:00 O13 INTERLEUKIN-3 MODULATION OF HUMAN OSTEOCLASTOGENESIS
MJ Constable, JM Hodge, CJ Aitken, CM Lopez, DE Myers, GC Nicholson (Australia)
- 14:10 O14 VITAMIN D METABOLISM IN THE KIDNEY: REGULATION BY PTH AND CALCITONIN
PH Anderson, S Iida, PD O'Loughlin, BK May and HA Morris (Australia)
- 14:20 O15 A LARGE SCALE GENOME-WIDE SCREEN OF TWINS FOR LOCI THAT REGULATE CALCANEAL QUANTITATIVE ULTRASOUND
SG Wilson, T Andrew, PW Reed, J Lichter and TD Spector (Australia, UK & USA)

WEDNESDAY 11 JUNE (CONT)

- 14:30 O16 A NOVEL FUNCTION OF CD69 IN INHIBITING OSTEOCLAST FORMATION
C Gange, JMW Quinn, H Zhou, V Kartsogiannis, MT Gillespie, KW Ng (Australia)
- 14:40 O17 SUPPRESSION OF OSTEOCLAST FORMATION BY GRANULOCYTE-MACROPHAGE COLONY STIMULATING FACTOR (GM-CSF)
MS Kim, CJ Day and NA Morrison (Australia)
- 14:50 O18 *FGF23* AND *PHEX* EXPRESSION IN RESPONSE TO PHOSPHATE AND MINERALISATION IN BONE CELLS
M Mirams, BG Robinson, AE Nelson & RS Mason (Australia)

15:00 Refreshments – The Pavilion

15:30 – 17:35 Session 6

Plenary 3 Mt Coolum Room
Chairs: Markus Seibel and Mark Forwood

- 15:30 IP16 NEW INSIGHTS INTO OSTEOGENESIS IMPERFECTA
F Glorieux (Canada)
- 15:55 IP17 GENETICALLY MODIFIED ANIMAL MODELS AS A TOOL FOR STUDYING BONE AND MINERAL METABOLISM
JD Zajac, RA Davey, HE MacLean (Australia)
- 16:20 IP18 IMMUNE SYSTEM AND BONE
M Gillespie (Australia)
- 16:45 IP19 HIV/AIDS AND BONE
P Ross (USA)
- 17:10 IP20 BREAST CANCER: BAD TO THE BONE!
LJ Suva, M Bendre, D Gaddy (USA)

17:35 Welcome Reception - The Pavilion

19:00 – 20:00 Attended poster viewing – The Pavilion

The Christopher and Margie Nordin Young Investigator Award Entrants

- P01 TRANSCRIPTION FACTORS INVOLVED IN OSTEOCLASTOGENESIS
CJ Day, MS Kim, CJ Aitken, GC Nicholson, NA Morrison (Australia)
- P02 MULTIPLE TISSUE-SPECIFIC PROMOTERS CONTROL EXPRESSION OF THE MURINE TARTRATE RESISTANT ACID PHOSPHATASE GENE
NC Walsh, M Cahill, P Carninci, J Kawai, Y Okazaki, Y Hayashizaki, DA Hume, AI Cassady (Australia & Japan)
- P03 INFUSION OF CALCIUM-SENSING RECEPTOR-ACTIVE AMINO ACID ELEVATES RAT URINARY CALCIUM EXCRETION
HC Lok and AD Conigrave (Australia)
- P4 CONCENTRATION DEPENDENT ACTIVATION OF THE CALCIUM-SENSING RECEPTOR IN HUMAN PARATHYROID CELLS BY L-AMINO ACIDS
H-C Mun and AD Conigrave (Australia)

WEDNESDAY 11 JUNE (CONT)

- P5 THE ROLE OF MICROPHTHALMIA TRANSCRIPTION FACTOR IN OSTEOCLAST GENE REGULATION
N Meadows, MC Ostrowski, DA Hume, AI Cassady (Australia)
- P06 GENERATION OF AN ANDROGEN RECEPTOR LOXP MOUSE LINE FOR OSTEOBLAST SPECIFIC GENE KNOCKOUT
AJ Notini, RA Davey, JF McManus, K Bate and JD Zajac (Australia)
- P07 IN VITRO ANALYSIS OF A BIOACTIVE BONE IMPLANT - RELEASING HEPARIN-LIKE MOLECULES FROM PHBV AND ITS EFFECT ON OSTEOGENESIS
A Kumarasuriyar, L Grondahl, V Nurcombe, M Trau, SM Cool (Australia)
- P08 STUDIES ON THE PROCESS OF ENDOCHONDRAL OSSIFICATION IN EQUINE ARTICULAR-EPIPHYSEAL GROWTH CARTILAGE
K Alkhodair, CN Pagel, EJ Mackie (Australia)
- P09 IDENTIFICATION OF RANKL REGULATED GENES IN PERIPHERAL BLOOD MONONUCLEAR CELL DERIVED OSTEOCLASTS
RMS Granfar, CJ Day, MS Kim, WE Simcock, C Aitken, G Nicholson and NA Morrison (Australia)
- P10 PERIPHERAL QUANTITATIVE COMPUTED TOMOGRAPHY (pQCT) IN ELDERLY WOMEN: IN VIVO PRECISION
LK Groombridge, SS Dhaliwal, A Devine, T Smith, RL Prince (Australia)
- P11 IS BACK EXTENSOR STRENGTH RELATED TO THORACIC POSTURE IN ELDERLY WOMEN?
B-K Tan, SS Dhaliwal, RI Price, GT Allison, KP Singer (Australia)
- P12 THE EFFECT OF ANTICONVULSANT MEDICATION ON BONE MINERAL DENSITY AND OSTEOPOROSIS - A TWIN AND SISTER STUDY
S Petty, L Paton, T O'Brien, J Wark (Australia)
- P13 DRUG INTERVENTION AMONG MEN REFERRED FOR BONE DENSITOMETRY
S Korn, JA Pasco, MJ Henry, GC Nicholson, MA Kotowicz (Australia)
- P14 REFINING THE ASSESSMENT OF BALANCE, MUSCLE STRENGTH AND GAIT MEASURES IN WOMEN TO PREDICT FALLS-RELATED HIP FRACTURE RISK
N El Haber, K Hill, A-M Cassano, R.McInnis, JL Hopper, JD Wark (Australia)
- P15 THE UTILITY OF AN ULTRASONIC MOTION TRACKER FOR THE ASSESSMENT OF FALLS RISK
B-K Tan, SS Dhaliwal, RI Price, RE Day, KP Singer (Australia)
- P16 EFFECT OF WATER LEVEL ON AP SPINE PHANTOM BMD AS MEASURED BY THE DPXL AND PRODIGY.
S. Kalnins, C. Aghajanian, E. Nightingale, J. Freund, N. Pocock (Australia)
- P17 LONG TERM IMPACT OF PERCEIVED HEALTH ON FUTURE FALLS AND FRACTURE IN HEALTHY ELDERLY WOMEN
NA Quinn, A Devine, SS Dhaliwal, IM Dick and RL Prince (Australia)

WEDNESDAY 11 JUNE (CONT)

Poster Presentations

- P18 BONE FORMATION IS HIGHLY COUPLED WITH BONE RESORPTION IN OSTEOPROTEGERIN-DEFICIENT MICE
M Nakamura, N Udagawa, H Ozawa, H Miyazawa, N Takahashi (Japan)
- P19 ASSOCIATION BETWEEN CYP27B1 GENE POLYMORPHISM AND LUMBAR SPINE BONE MINERAL DENSITY IN POSTMENOPAUSAL WOMEN
R Clifton-Bligh, L Cooper, L Nery, F Gates, K Byth, P Clifton-Bligh, and B Robinson (Australia)
- P20 PROXIMAL FEMUR MALE REFERENCE RANGES IN LUNAR AND NORLAND DENSITOMETERS
K. McMahon, E. Nightingale, N. Pocock (Australia)
- P21 BONE-DENSITY-INDEPENDENT ASSOCIATION OF QUANTITATIVE ULTRASOUND MEASUREMENTS AND FRACTURE RISK
TV Nguyen, JR Center, JA Eisman (Australia)
- P22 CHILDREN WHO HABITUALLY AVOID DRINKING COW'S MILK BREAK A LOT OF BONES AT A YOUNG AGE
A Goulding, JEP Rockell, RE Black, AM Grant, IE Jones, SM Williams (New Zealand)
- P23 1,25-DIHYDROXYVITAMIN D3 ENHANCES HUMAN OSTEOBLAST RESPONSIVENESS TO ESTRADIOL IN VITRO
MM Muir, D Dai, D Sivagurunathan, RS Mason (Australia)
- P24 MICROARRAY ANALYSIS OF OSTEOCLAST-LIKE CELLS DIFFERENTIATED WITH LIPOPOLYSACCHARIDE.
H Saleh, B Fletcher, N Walsh, T Ravasi, C Wells, Y Okazaki, P Carninci, Y Hayashizaki, DA Hume, AI Cassady (Australia & Japan)
- P25 THE ROLE OF PROTEASE-ACTIVATED RECEPTOR-1 IN BONE HEALING
S-J Song, TM Campbell, CN Pagel, RN Pike, and EJ Mackie (Australia)
- P26 SINGLE NUCLEOTIDE POLYMORPHISM ANALYSIS OF THE *RUNX2* GENE AND P2 PROMOTER
J Doecke, N Morrison (Australia)
- P27 ENHANCING OSTEOGENESIS USING HEPARAN SULFATES
RA Jackson, D Little, V Nurcombe, SM Cool (Australia)
- P28 TRABECULAR ROD STRENGTH SUGGESTS A GREATER RISK OF VERTEBRAL FRACTURE FOR FEMALES
P Sutton-Smith, I Parkinson, N Fazzalari (Australia)
- P29 GENES FOR OSTEOCLAST PRECURSOR CELL DETERMINATION: OSTEOCLAST OR MACROPHAGE
Cl Selinger, CJ Day, MS Kim, CJ Aitken, GC Nicholson, NA Morrison (Australia)
- P30 THE ROLE OF COX-2 IN WOVEN BONE ADAPTATION
LS Gregory, WL Kelly, MR Forwood (Australia)
- P31 SMOKING AND BONE MINERAL MEASURES
L Paton, CR MacInnis, C Cassar, C Nowson, L Flicker, JL Hopper, R Larkins, J. D. Wark (Australia)
- P32 RECEPTOR ACTIVATOR NF κ B LIGAND (RANKL) AND OSTEOPROTEGERIN (OPG) IN PERIODONTITIS
TN Crotti, MD Smith, H Weedon, DR Haynes (Australia)

- P33 THE EFFECTS OF THE CALCIUM-SENSING RECEPTOR GENE POLYMORPHISM A986S ON BONE AND CALCIUM HANDLING IN A LARGE COHORT OF ELDERLY WOMEN.
IM Dick, J Bollerslev, SG Wilson, A Devine, SS Dhaliwal, RL Prince (Australia)
- P34 GLUCOCORTCOIDS INFLUENCE ON OSTEOCLAST GENERATION & ACTIVITY
S Sivagurunathan, MM Muir, JP Seale, RS Mason (Australia)
- P35 DIFFERENTIATION POTENTIAL OF A MOUSE BONE MARROW STROMAL CELL LINE
EH Allan, PWM Ho, A Umezawa, J-i Hata, MT Gillespie, TJ Martin (Australia & Japan)
- P36 WHAT A VERTEBRAL FRACTURE?
RMD Zebaze, G Maalouf, J Wehbe, A Nehme, N Maalouf, E Seeman (Australia, France, Lebanon, USA)
- P37 COMPARISONS OF BONE MASS AND AREA IN MATCHED OBESE AND NON-OBESE CHILDREN AND ADOLESCENTS
AM Grant, IE Jones, RW Taylor, SM Williams, A Goulding (New Zealand)
- P38 DO ALTERATIONS IN KNEE BONE SIZE AND OTHER FACTORS MEDIATE THE GENETIC RISK OF KNEE OSTEOARTHRITIS?
G Jones, CH Ding, F Scott, M Glisson, F Cicutini (Australia)
- P39 THE ASSOCIATION BETWEEN QUANTITATIVE ULTRASOUND AND ESTROGEN RECEPTOR STATUS IN BREAST CANCER PATIENTS
B Ekanayake, KM Sanders, MJ. Henry, GC. Nicholson, C Kenfield, MA. Kotowicz, JA Pasco, DA Watters (Australia)
- P40 GENETIC AND ENVIRONMENTAL CONTRIBUTIONS TO HIP STRENGTH: A TWIN STUDY
L Paton, C Nowson, S Kantor, T Beck, JD Wark (Australia & USA)
- P41 DISCORDANCE IN LUMBAR SPINE DXA REFERENCE RANGES IN MALES
E Nightingale, K McMahon, N Pocock (Australia)
- P42 A COMPARISON OF BONE MINERAL DENSITY IN ASIAN AUSTRALIAN AND CAUCASIAN AUSTRALIAN WOMEN
EL Bond, L Paton, C Poon, R Wong, JD Wark (Australia)
- P43 BONE CELL BIOLOGY IN AN ANIMAL MODEL OF IMPAIRED BONE MATRIX TURNOVER
K Zarrinkalam, E Johnstone, J Hopwood, S Byers (Australia)
- P44 LEPTIN INHIBITS OSTEOCLASTOGENESIS IN VITRO VIA LYMPHOCYTES
DE Myers, PU Cameron, M Constable, BE Adams, JM Hodge, CA Aitken, XF Csar, GC Nicholson (Australia)
- P45 BIOCOMPATABILITY OF TANTALUM FOR OSTEOBLASTS
K Weldon, GJ Atkins, DW Howie, ACW Zannettino, D Bobyn, A Hacking, D.M. Findlay (Australia & Canada)
- P46 THEIR FUTURE IN THE BALANCE – A STUDY OF YOUNG TWINS
C Pease, N El Haber, L Paton, K Bennell, JDWark (Australia)
- P47 cDNA EXPRESSION ARRAY ANALYSIS OF DIFFERENTIAL GENE EXPRESSION IN OSTEOBLASTS
CN Pagel, MR de Niese, RN Pike, EJ Mackie (Australia)

WEDNESDAY 11 JUNE (CONT)

- P48 AGE- AND AGE-HEIGHT VARIATION IN GENETIC-ENVIRONMENTAL DETERMINANTS OF THE ASSOCIATION BETWEEN LEAN MASS AND BONE DENSITY IN YOUNG FEMALES
L Paton, C Nowson, JL. Hopper, JD Wark (Australia)
- P49 EARLY, SOFT TISSUE FRACTURE CALLUS CONTRACTS AND RELAXES *IN VITRO*
PC Dooley, ML Howgate, JA Schuijers, CJ Handley and BL Grills (Australia)
- P50 EFFECTS OF BONE DENSITY FEEDBACK AND SMALL GROUP EDUCATION ON OSTEOPOROSIS KNOWLEDGE AND SELF-EFFICACY IN PREMENOPAUSAL WOMEN.
TM Winzenberg, B Oldenburg, S Frendin, G Jones (Australia)
- P51 DETERMINANTS OF BONE MINERAL AT DIFFERENT LEVELS OF TOTAL HIP AREAL BONE MINERAL DENSITY
JD Wark and LM Paton (Australia)
- P52 CHARACTERISTICS AND LIFESTYLES OF VITAMIN D-REPLETE WOMEN
JA Pasco, MJ Henry, GC Nicholson, MA Kotowicz (Australia)
- P53 EFFECT OF MAGNIFICATION ON VOLUMETRIC BMD MEASUREMENTS
S Kalnins, T Nguyen, N Pocock (Australia)
- P54 DOES SLEEP DISTURBANCE OR URINARY INCONTINENCE PREDICT FALLS IN ELDERLY WOMEN?
SHJ Teo, NK Briffa, A Devine, SS Dhaliwal, RL Prince (Australia)
- P55 IN VITRO DOWN-REGULATION OF OSTEOPONTIN IN HUMAN OSTEOCLAST PRECURSOR CELLS BY ADENOVIRAL GENE TRANSFER INHIBITS OSTEOCLAST DIFFERENTIATION AND RESORPTION
CJ Aitken, CM Lopez, JM Hodge, DE Myers and GC Nicholson (Australia)
- P56 THE ROLE OF GROWTH HORMONE IN THE CONTROL OF OSTEOGENESIS
M Grunert, M Waters, SM Cool (Australia)
- P57 IDENTIFICATION OF A PARATHYROID HORMONE IN THE FISH, *FUGU RUBRIPES*
JA Danks, PMW Ho, AJ Notini, F Katsis, P Hoffmann, BE Kemp, TJ Martin, JD Zajac (Australia)
- P58 IS THE EFFICACY OF ANTIRESORPTIVE OSTEOPOROSIS TREATMENT DEPENDANT ON BONE TURNOVER?
R Ziegler, C Kasperk and P Nawroth (Germany)
- P59 DETERMINANTS OF URINARY PYRIDINIUM CROSS-LINKS IN POSTMENOPAUSAL WOMEN
AG Need, PD O'Loughlin, HA Morris, M Horowitz, BEC Nordin (Australia)
- P60 DESIGN OF SHORT-TERM PRECISION STUDIES IN BONE DENSITOMETRY: SAMPLE SIZE DETERMINATION
SS Dhaliwal, RL Prince (Australia)
- P61 STRUCTURAL AND BIOMECHANICAL BASIS FOR DIFFERENCES IN VERTEBRAL FRAGILITY IN CHINESE AND CAUCASIANS
Y Duan, XF Wang, CH Turner, C Fong, E Seeman (Australia & USA)

WEDNESDAY 11 JUNE (CONT)

- P62 BONE MINERAL DENSITY IN PATIENTS AGED 10-20 YEARS WITH MAJOR THALASSEMIA IN TEHRAN-IRAN
A A Shamshirsaz, M Kamgar, MR Bekheirnia, M Tabatabayifar, M M Lakeh, M AleBouyeh, P Vossough , F Moosavi, A A Keyvan, M Kimyagar, AHA Shamshirsaz (Iran)
- P63 SKELETAL MUSCLE MASS AND BONE MASS IN SPINAL CORD INJURED MALES
LM Jones, M Legge, A Goulding (New Zealand)
- P64 BODY MASS INDEX, AGE AND BONE MINERAL DENSITY IN 557 POST MENOPAUSAL WOMEN IN CHINA
L Lan, T. Zhou (PR China)
- P65 DIFFERENCES IN INDICATIONS FOR REFERRAL FOR BONE DENSITOMETRY BETWEEN THE SEXES
BE Sarah, JA Pasco, MJ Henry, GC Nicholson, MA Kotowicz (Australia)
- P66 EFFECTS OF ED-71 ON BONE MASS AND STRENGTH AND BONE METABOLISM IN OVARECTOMIZED MICE
Xue Yan, Tan Hui, Wang Qian, Sun Baoming (PR China)
- P67 BONE MINERAL DENSITY IN JAPANESE HIP FRACTURE PATIENTS YOUNGER THAN 75 YEARS OLD
H Fujii, S Sakamoto (Japan)
- P68 PERSISTENCE AT 1 YEAR WITH THE ACTNOW™ PATIENT SUPPORT SERVICE
JG Robertson, S McKechnie (Australia)
- P69 OSTEOPOROSIS KNOWLEDGE AND SELF-EFFICACY AMONG IRANIAN AUSTRALIAN MEN AND WOMEN
A Baheiraei, J Ritchie, JA Eisman, TV Nguyen (Australia)
- P70 DOES MEASURING THE WRIST HELP? CORRELATION OF CHANGE BETWEEN DEXA MEASUREMENTS AT THE SPINE, FEMORAL NECK AND DISTAL WRIST IN FOLLOW-UP SCANS
A Doube (New Zealand)
- P71 BILATERAL FEMORAL HEAD OSTEONECROSIS FOLLOWING SEPTIC SHOCK AND MULTIORGAN FAILURE
M Bolland, A Grey (New Zealand)
- P72 THE ASSESSMENT OF SECONDARY HYPERPARATHYROIDISM AND RENAL OSTEODYSTROPHY PREVALENCE & TREATMENT RESULTS WITH ORAL ROCALTROL PULSE AMONG HEMODIALYSIS PATIENTS
M Malek, M Fakharian (Iran)

Thursday 12 June

08:00 – 09:00

Session 7

Plenary 4: Mt Coolum Room

Chair Ego Seeman

- 08:00 IP21 BONE GROWTH TRAJECTORY IN YOUTH: ORIGIN OF FRAGILITY FRACTURES IN ADULT LIFE
J-P Bonjour, T Chevalley, S Ferrari, R Rizzoli (Switzerland)
- 08:30 IP 22 FRAGILITIES WEAPON – ESTROGEN DEFICIENCY
BL Riggs (USA)
- 09:00 IP23 WHO TO TREAT
JA Kanis (UK)

09:30 – 11:00

CONCURRENT SESSIONS

Session 8: Oral Presentations

Yaroomba Room

Chairs: Christine Rodda and Shona Bass

- 09:30 O19 DISTINCT REGULATION OF BONE AND MUSCLE MAINTENANCE DURING HINDLIMB SUSPENSION BY A CONCENTRIC RESISTANCE EXERCISE REGIMEN
DS Perrien, NS Akel, DC Montague, M Knox, JD Fluckey, EE Dupont-Versteegden, CA Peterson, L Suva, D Gaddy (USA)
- 09:45 O20 THE MICROPHTHALMIA TRANSCRIPTION FACTOR: INTEGRATION OF SIGNALING, TRANSCRIPTION AND THE CELL CYCLE DURING OSTEOCLAST DIFFERENTIATION
MC Ostrowski, U Sankar, KC Mansky (USA)
- 10:00 O21 V-ATPASE ACCESSORY SUBUNIT ATP6S1 MUTANT IMPAIRS OSTEOCLASTIC BONE RESORPTION
MH Zheng, HT Feng, N Pavlos, L Huang, J Xu (Australia)
- 10:15 O22 12-O-TETRADECANOYLPHORBOL-13-ACETAT (TPA) INHIBITS OSTEOCLASTOGENESIS BY SUPPRESSING RANKL-INDUCED NF- κ B ACTIVATION
J Xu, C Wang, JH Steer, DA Joyce, KHM Yip, MH Zheng (Australia)
- 10:30 O23 PTHRP REGULATES CHONDROCYTE PROLIFERATION THROUGH P57^{KIP2}-DEPENDENT PATHWAYS
HE MacLean, J Guo, HM Kronenberg (USA)
- 10:45 O24 AMYLIN DEFICIENCY RESULTS IN BONE LOSS IN ADULT MICE
RA Davey, AJ Notini, A Moore, HA Morris, N Honeyman, JD Zajac (Australia)

Session 9: Oral Presentations

Mt Coolum Room

Chairs: Brian Grills and Vivian Grill

- 09:30 O25 IMPAIRED BONE ACCRUAL IN MATURING ANDROGEN DEFICIENT (*hpg*) MICE NORMALISES WITH REPLACEMENT BY A NON-AROMATISABLE ANDROGEN
NA Sims, K Brennan, J Spaliviero, DJ Handelsman, MJ Seibel (Australia)

THURSDAY 12 JUNE (CONT)

- 09:45 O26 GENDER DIFFERENCE IN THE NEUROREGULATION OF BONE MASS: EVIDENCE FROM THE NEUROPEPTIDE Y Y2Y4 DOUBLE KNOCKOUT MOUSE.
PA Baldock, A Sainsbury, M Couzens, RF Enriquez, H Herzog, EM Gardiner (Australia)
- 10:00 O27 CHARACTERISATION OF AN INACTIVATING MUTATION IN OSTEOPROTEGERIN
CA Middleton-Hardie, A Zhu, J Xu, T Cundy, IR Reid, J Cornish, D Naot (New Zealand & Australia)
- 10:15 O28 ANABOLIC EFFECTS OF LACTOFERRIN AND RELATED MOLECULES ON BONE
D Naot, M Watson, KE Callon, T Banovic, KP Palmano, EN Baker, HM Baker, AB Grey, IR Reid, J Cornish (New Zealand)
- 10:30 O29 INHIBITION OF CHAPERONIN HSP90 STIMULATES OSTEOCLASTOGENESIS IN VITRO AND INCREASES BONE DESTRUCTION BY INVADING BREAST CANCER CELLS.
JMW Quinn, A Nakamura, SE. Docherty, NA Sims, MC Waltham, MT Gillespie, EW Thompson, JT Price (Australia)
- 10:45 O30 MONOCYTIC CELLS INDUCE AN OSTEOCLASTOGENIC PHENOTYPE IN HUMAN OSTEOBLASTS
GJ Atkins, ACW Zannettino, P Kostakis, B Pan, A Farrugia, and DM Findlay (Australia)

11:00 Refreshments – The Pavilion

11:30 – 13:00

CONCURRENT SESSIONS

Session 10: Clinical oral presentations

Yaroomba Room

Chairs: Michael Horowitz and John Wark

- 11:30 O31 VENOUS SAMPLING FOR FGF-23 CONFIRMS THE DIAGNOSIS OF AND LOCATES THE RESPONSIBLE TUMOR FOR TUMOR-INDUCED OSTEOMALACIA (TIO)
S Fukumoto, Y Takeuchi, T Yamashita (Japan)
- 11:45 O32 INCREASED EXPRESSION OF RANKL AND IL-6 IN HUMAN OSTEOPOROTIC FEMORAL FRACTURES
H Dassios, DM Findlay, JS Kuliwaba, GJ Atkins, and NL Fazzalari (Australia)
- 12:00 O33 TRABECULAR BONE ARCHITECTURE IN PRIMARY HIP OSTEOARTHRITIS
JS Kuliwaba, NL Fazzalari, MR Forwood, DM Findlay (Australia)
- 12:15 O34 CONTRIBUTION OF THE VITAMIN D RECEPTOR AND COLLAGEN I ALPHA 1 GENES TO HIP FRACTURE RISK
TV Nguyen, LM Esteban, CP White, SF Grant, EM Gardiner, JR Center, JA Eisman (Australia)
- 12:30 O35 HOW MANY FRACTURES IN MEN ARE ATTRIBUTABLE TO LOW BONE DENSITY
TV Nguyen, JR Center, JA Eisman (Australia)
- 12:45 O36 CORTICAL BONE INSTABILITY OF HIP FRACTURE CASES COMPARED TO AGE AND SEX MATCHED CONTROLS
P Mayhew, CDL Thomas, N Loveridge, J Power, J Reeve (UK and Australia)

THURSDAY 12 JUNE (CONT)

Session 12 Clinical oral presentations

Mt Coolum Room

Chairs: Daniel Thiebaud and Rebecca Mason

- 11:30 O37 CORTICAL BONE EFFECTS ASSESSED BY HIP STRUCTURAL ANALYSIS: A CO-TWIN CALCIUM INTERVENTION
L Paton, T Beck, C Nowson, M Cameron, S Kantor, H McKay, M Forwood, JD Wark (Australia, Canada & USA)
- 11:45 O38 HUMAN LACTATION: CHANGES IN HIP BONE GEOMETRY BUT NOT BONE DENSITY DEPEND ON CALCIUM INTAKE
RI Price, BC Khoo, TJ Beck, GN Kent, DH Gutteridge, J Allen, KP Singer, SS Dhaliwal (Australia and USA)
- 12:00 O39 A NEW INDICATOR OF SPINAL STRUCTURAL FAILURE
RMD Zebaze, G Maalouf, E Seeman (Australia & Lebanon)
- 12:15 O40 A STUDY OF PROPOSED DOWN STREAM EFFECTS OF *LRP5* IN BENIGN HUMAN OSTEOPETROSIS
J Bollerslev and T Ueland (Australia & Norway)
- 12:30 O41 WHEN IS AN ANKLE FRACTURE AN OSTEOPOROTIC FRACTURE?
JR Center, TV Nguyen, KP Chang, JA Eisman (Australia)
- 12:45 O42 EXERCISE REGIMES IN PRE- AND EARLY PUBERTAL BOYS: LIMITATIONS OF LONG TERM EXERCISE INTERVENTIONS
S Bass, L Saxon, S Iuliano-Burns, G Naughton, C Nowson, R Daly, E Briganti, S Austen (Australia & USA)

13:00 LUNCH AND TRADE EXHIBITION – THE PAVILION

(Note: Trade Exhibition and Posters to be dismantled)

13:30 ANZBMS General Meeting and Presentation of Awards

Mt Coolum Room

14:15 – 15:30 Session 12

Plenary 5: Mt Coolum Room

Chairs: Ian Reid and John Eisman

- 14:15 IP24 PTH - ADVANCES IN TREATMENT
PD Delmas (France)
- 14:45 IP25 MECHANISM(S) OF PTH ACTIONS IN BONE: A SYSTEMS BIOLOGY APPROACH
J Onyia (USA)
- 15:15 IP26 MECHANISM OF ACTION OF STRONTIUM RANELATE ON BONE: PRECLINICAL STUDIES
TJ Martin, JMW Quinn, PJ Marie, I Tupinon-Mathieu, B Robin (Australia and France)

15:45 Refreshments – Mt Coolum Terrace

THURSDAY 12 JUNE (CONT)

16:00 – 17:30

Session 13

Plenary 6: Mt Coolum Room
Chairs: Sol Posen and Tim Cundy

- 16:00 IP27 STRONTIUM RANELATE – REVIEW OF THE EFFICACY AND SAFETY OF A NEW AGENT FOR PREVENTION OF SPINE AND NONSPINE FRACTURES IN OSTEOPOROSIS
E Seeman, J Graham, RL Prince, J Prins, JD Wark, KW Ng, TJ Martin, PJ Meunier, JY Reginster (Australia, France and Belgium)
- 16:30 IP28 RISEDRONATE - ARCHITECTURAL CHANGES
R Eastell (UK)
- 17:00 IP29 ALENDRONATE
IR Reid (New Zealand)

19:00

Conference Dinner: Village Square Pool

Friday 13 June

08:00 – 09:30

CONCURRENT SESSIONS

Session 14: Treatment Oral Presentations

Yaroomba Room

Chairs: Rebecca Mason and Michael Kotowicz

- 08:00 O43 INTRAVENOUS PAMIDRONATE OR ORAL ALENDRONATE FOR THE TREATMENT OF PAGET'S DISEASE OF BONE: RESULTS OF A RANDOMISED CONTROLLED TRIAL
JP Walsh, RK Will, GO Stewart, RA Criddle, RL Prince, BGA Stuckey, LC Ward, SS Dhaliwal, P Drury, CI Bhagat, RW Retallack, GN Kent, S Vasikaran, DH Gutteridge (Australia)
- 08:15 O44 EFFECTS OF HABITUAL CALCIUM INTAKE AND PHYSICAL ACTIVITY ON BONE MASS IN ELDERLY WOMEN
A Devine, IM Dick, SS Dhaliwal, J Bollerslev, RL Prince (Australia)
- 08:30 O45 BETA-ADRENERGIC BLOCKERS REDUCE THE RISK OF FRACTURE PARTLY BY INCREASING BONE MINERAL DENSITY: GEELONG OSTEOPOROSIS STUDY.
JA Pasco, MJ Henry, KM Sanders, MA Kotowicz, E Seeman, GC Nicholson (Australia)
- 08:45 O46 DOES HIGH INTENSITY RESISTANCE TRAINING MAINTAIN BONE MASS DURING MODERATE WEIGHT LOSS IN OLDER ADULTS WITH TYPE 2 DIABETES?
RM Daly, D Dunstan, N Owen, J Shaw, D Jolley, P Zimmet (Australia)
- 09:00 O47 CAN WE AFFORD TO TREAT WOMEN WITH OSTEOPOROSIS WITHOUT BASELINE FRACTURES?: GEELONG OSTEOPOROSIS STUDY (GOS)
KM Sanders, E Seeman, MJ Henry, JA Pasco, MA Kotowicz, GC Nicholson (Australia)
- 09:15 O48 AUTOLOGOUS CHONDROCYTE THERAPY FOR CARTILAGE INJURY IN RABBITS: A NEW APPROACH OF BIOTHERAPEUTIC REGENERATION
C Willers, D Wood, J Xu, MH Zheng (Australia)

FRIDAY 13 JUNE (CONT)

Session 15: Treatment Oral Presentations

Mt Coolum Room

Chairs: Pierre Delmas and Claus Christiansen

- 08:00 O49 THE EFFECT OF AGE ON CALCIUM ABSORPTION IN POSTMENOPAUSAL WOMEN
BEC Nordin, AG Need, HA Morris, PD O'Loughlin, M Horowitz (Australia)
- 08:15 O50 DOES CALCIUM FROM MILK MINERALS ENHANCE BONE MASS ACCRUAL AND ALTER BONE DIMENSIONS DURING GROWTH BETTER THAN CALCIUM CARBONATE?
S Iuliano-Burns, A Evans, X-F Wang, S Matthews, E Seeman (Australia)
- 08:30 O51 CALCIUM SUPPLEMENTATION INCREASES BONE DENSITY IN PERIPUBERTAL GIRLS IN A DOUBLE-BLIND, PLACEBO-CONTROLLED, RANDOMISED TRIAL
C.Rodda, M Urdampilletta, J Hu, CB Strauss, E Briganti, C Gilfillan (Australia)
- 08:45 O52 ZOLEDRONIC ACID INCREASES TOTAL BONE VOLUME IN OP-1 MEDIATED BONE FORMATION IN A SEGMENTAL RAT FEMORAL DEFECT MODEL
R Bugler, R Bransford, J Briody, D Little (Australia)
- 09:00 O53 FRACTURE RISK SCORE: GEELONG OSTEOPOROSIS STUDY
MJ Henry, JA Pasco, KM Sanders, GC Nicholson, MA Kotowicz (Australia)
- 09:15 O54 ZOLEDRONIC ACID PREVENTS BONE LOSS AT 3 MONTHS IN LIVER TRANSPLANT PATIENTS: AN INTERIM ANALYSIS OF A RANDOMISED CONTROLLED TRIAL
B Crawford, S Duke, C Kam, M Gleeson, A Donaghy, G McCaughan (Australia)

09:30 Refreshments – Mt Coolum Terrace

10:00 – 12:10 Session 16

Plenary 7: Mt Coolum Room

Chairs: Jack Martin and Allan Need

- 10:00 IP30 ESTROGEN THERAPY - THE DEATH OF AN ICON?
C Christiansen (Denmark)
- 10:30 IP31 RALOXIFENE – NEW INSIGHTS INTO BONE, BREAST AND HEART
PD Delmas (France)
- 11:00 IP32 PAGETS DISEASE – CAN WE IMPROVE LONG TERM OUTCOME?
MJ Hooper (Australia)
- 11:20 IP33 PANCREAS – A NEW PLAYER IN BONE PHYSIOLOGY
J Cornish (New Zealand)
- 11:40 IP34 IDIOPATHIC HYPERPHOSPHATASIA - GENOTYPE AND PHENOTYPE
T Cundy (New Zealand)

12:00 Close of meeting - Ego Seeman