

Poster Presentations – list of titles and authors

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Epidemiology, public health and genetics

- P01 Reduced serum osteocalcin and total testosterone in men with type II diabetes
Nguyen, N.D., Nguyen, T.V., Center, J.R. and Eisman, J.A. (Australia)
- P02 Prevalence of vertebral fracture in Vietnamese postmenopausal women
Ho-Pham, T-L., Nguyen, N.D., Vu, B.Q., Pham, H.N. and Nguyen, T.V. (Australia and Vietnam)
- P03 Follow up audit of the rural mobile bone densitometry service in South Australia
Wormald, J.L. and Schultz, C.G. (Australia)
- P04 Bone mineral density at the PA spine in a population-based sample of Australian men: Geelong Osteoporosis Study
Henry, M.J., Pasco, J.A., Korn, S., Gibson, J., Kotowicz, M.A. and Nicholson, G.C. (Australia)
- P05 Bone mineral density in population-based adult females is associated with socioeconomic status
Brennan, S.L., Henry, M.J., Wluka, A.E., Nicholson, G.C., Kotowicz, M.A., Williams, J.W. and Pasco, J.A. (Australia)
- P06 Association between a polymorphism within the RHOA gene and bone mineral density in Caucasian women
Mullin, B.H., Prince, R.L., Mamotte, C., Dick, I.M., Hart, D.J., Spector, T.D., Dudbridge, F. and Wilson, S.G. (Australia and UK)
- P07 Bone mineral density and depression in premenopausal women
Williams, L.J., Berk, M., Henry, M.J., Jacka, F.N., Dodd, S., Kotowicz, M.A., Nicholson, G.C. and Pasco, J.A. (Australia)
- P08 Exercise related changes in bone mass, structure and strength and their association with pro-inflammatory markers in older men: an 18-month randomised controlled trial
Daly, R.M., Kukuljan, S., Nowson, C., Sanders, K.M., Bass, S., Nicholson, G.C., and Peake, J. (Australia)
- P09 Risk factors for hip fracture among institutionalized older people
Sambrook, P.N., Chen, J.S., March, L.M., Simpson, J.M., Cameron, I.D., Cumming, R.G. and Seibel, M.J. (Australia)
- P10 Increased fracture risk in community dwelling older women taking selective serotonin reuptake inhibitors for depression
Sanders, K.M., Hayles, A.L., Kotowicz, M.A., Merriman, E.N. and Nicholson, G.C. (Australia)
- P11 Monitoring falls in cohort studies of community dwelling older women: why ask more than we need?
Hayles, A.L., Nicholson, G.C., Kotowicz, M.A. and Sanders, K.M. (Australia)
- P12 BMD and other characteristics associated with vitamin D status
Pasco, J.A., Henry, M.J., Nicholson, G.C., Brennan, S.L. and Kotowicz, M.A. (Australia)
- P13 Medication use among those with osteoporosis in the community
Gill, T.K., Phillips, P., Rowett, D., Taylor, A.W. and Laddipierla, N.R. (Australia)
- P14 Prevalence of osteoporosis in a community sample
Gill, T.K., Phillips, P., Taylor, A.W. and Laddipierla, N.R. (Australia)
- P15 Prediction of osteoporotic fracture risk by 25-hydroxyvitamin D3-1 α -hydroxylase (CYP27B1) gene
Tran, B.N.H., Au, A., Nguyen, N.D., Clifton-Bligh, R., Center, J.R., Eisman, J.A. and Nguyen, T.V. (Australia)
- P16 Hip fractures presenting at the Geelong Hospital 1994-7 to 2005-7
Korn, S., Zhang, Y., Pasco, J.A., Henry, M.J., Nicholson, G.C., Sanders, K.M. and Kotowicz, M.A. (Australia)
- P17 Bone benefits of smoking cessation in females depend on age: the Quitline Study
Christie, J.J., Segan, C., Osborne, R. and Wark, J.D. (Australia)
- P18 Associations between smoking cessation and changes in lifestyle and constitutional factors related to bone health and osteoporosis
Janssen, S.M., Christie, J.J., Segan, C., Osborne, R.H., Nowson, C. and Wark, J.D. (Australia and The Netherlands)
- P19 Substantial adverse outcomes follow non-hip non-vertebral fragility fractures
Center, J.R., Bliuc, D., Nguyen, T.V., and Eisman, J.A. (Australia)
- P20 Is bone quantitative ultrasound (QUS) useful in assessing anti-epileptic drug (AED)-induced bone disease?
Sakellarides, M., Chin, L.K., Petty, S., O'Brien, T.J., Kantor, S., Day, L. and Wark, J.D. (Australia)
- P21 Development of prognostic model for in-hospital mortality in patients with hip fracture
Frost, S.A., Nguyen, N.D., Eisman, J.A. and Nguyen, T.V. (Australia)

- P22 Bone Mineral Density (BMD) and associations in postmenopausal Balinese women aged 50-70 years
Suryadhi, M.A.H., Gorelik, A., Suryadhi, N.T., Brand, C. and Wark, J.D. (Australia and Indonesia)
- P23 Pedometer measured steps per day and bone mass: a population based study in older adults
Foley, S., Quinn, S. and Jones, G. (Australia)
- P24 Bone density in pre and post-menopausal anti-epileptic medication users: a menopausal status concordant, AED-discordant twin and sibling pair study
Petty, S.J., Paton, L.M., Sakellarides, M., Lawrence, K.M., Fedorova, T., Berkovic, S.F., Sambrook, P., O'Brien, T.J. and Wark, J.D. (Australia)
- P25 The effect of variation in the GNL3 gene on bone mineral density in two populations of Caucasian women
Deanasen, A., Mullin, B.H., Hart, D.J., Dudbridge, F., Mead, R.J., Spector, T.D. and Wilson, S.G. (Australia and UK)
- P26 A polymorphism of CYP19A1 predicts fracture incidence and bone mineral density in post-menopausal women
Payne, E.J., Wilson, S.G., Ingleby, E. and Prince, R.L. (Australia)
- P27 A role for the TH17 system in ankylosing spondylitis?
Thomas, G., Glant, T. and Brown, M. (Australia and USA)

Clinical osteoporosis

- P28 Extractable negative interferent of 25 hydroxy vitamin D immunoassay
Thomas, S.D.C., Fudge, A.N., Coates, P. and O'Loughlin, P. (Australia)
- P29 Suppression of parathyroid hormone and C terminal telopeptides by calcium and vitamin D separately and in combination
Thomas, S.D.C., Need, A.G. and Nordin, B.E.C. (Australia)
- P30 Spinal rehabilitation program for acute osteoporotic vertebral fractures
Golombick, T., Mason, M.A., O'Sullivan, A. and Diamond, T. (Australia)
- P31 Assessment of serum cartilage markers in postmenopausal women with hormone therapy or bisphosphonate
Park, K-H., Lee, B.S., Moon, H-S., Bae, D-H., Jung, H., Pak, W-Y., Kim, H-Y., Kim, J-H., Lee, K-S. and Choi, H. (Korea)
- P32 Veganism and osteoporosis: a study in Vietnamese Buddhist nuns
Ho-Pham, T.L., Nguyen, L.P., Le, T.T., Doan, A.T., Tran, N., Le, T.A. and Nguyen, T.V. (Vietnam and Australia)
- P33 A dairy-based protein, calcium and vitamin D supplement preserves trabecular bone reduces falls in aged care residents
Iuliano-Burns, S., King, K., Woods, J., Evans, A., Ghasem Zadeh, A. and Seeman, E. (Australia)
- P34 Factors associated with long-term persistence in osteoporosis therapy: findings of a large Australian cohort study
Wark, J.D., Chow, S-L., Calcino, G., Kemp, A.G. and Gorelik, A. (Australia)
- P35 Treatment-naïve osteoporosis patients strongly prefer once-yearly intravenous therapy: a time trade-off study
Wark, J.D., Hristov, E., Osborne, R.H. and Dalton, A. (Australia)
- P36 Once yearly zoledronic acid 5mg and days of disability, bedrest and back pain: the HORIZON Pivotal Fracture Study
Reid, I.R., Boonen, S., Cummings, S.R., Black, D., Mesenbrink, P., Olson, M., Man, Z. and Cauley, J.A. (New Zealand, Belgium, USA and Argentina)
- P37 Acute chronic obstructive pulmonary disease (COPD) exacerbations are associated with uncoupling of bone resorption from bone formation
Hutchinson, A., Thompson, M., Smallwood, D., Bozinovski, S., Anderson, G.P., Irving, L. and Ebeling, P.R. (Australia)
- P38 Reliability of self-reported non-vertebral fractures: Geelong Osteoporosis Study
Merriman, E.N., Henry, M.J., Kotowicz, M.A., Nicholson, G.C. and Pasco, J.A. (Australia)
- P39 Distribution of risk factors for fracture in women with and without a fracture history: a regional comparison. The Global Longitudinal Registry of Osteoporosis in Women
Adachi, J.D., Sambrook, P., Diez-Perez, A., Compston, J., Hooven, F., Netelenbos, J.C., Watts, N.B., Dedrick, R. and Roux, C. (USA, Australia, Spain, UK, The Netherlands and France)
- P40 Phytoestrogen flavonoids, derived from non-leguminous plant Epimedium, exert beneficial effect on preventing bone loss in late postmenopausal women: a 24-month randomized, double-blind and placebo-controlled trial
Zhang, G., Qin, L. and Shi, Y.Y. (Hong Kong SAR China and PR China)

Clinical metabolic bone diseases

- P41 Role of marrow stem-cell-pool activity and VEGF-Src signaling in determining local vasculature during inadequate repair of steroid-associated osteonecrosis lesion
Zhang, G., Sheng, H., Qin, L., Wang, Y.X., Berry He, Y.X., Yeung, K.W., Xie, X.H., Lee, K.M., Li, Z.R., Griffith, J.F. and Leung, K.S. (Hong Kong SAR China and PR China)
- P42 Transfer of Paget's disease by bone grafting
McNeill, D. and Cundy, T. (New Zealand)
- P43 Prevalence of SQSTM1 mutations in patients with Paget's Disease
Tong, P.C., Bolland, M., Callon, K., Naot, D., Wattie, D. and Cundy, T. (New Zealand)

- P44 The natural history of the osteodystrophy of Mucopolysaccharidosis types II and III
David-Vizcarra, G., Alcausin, M., Briody, J., Ault, J., Fietz, M., Fletcher, J., Savarirayan, R., Wilson, M., McGill, J., Edwards, M., Munns, C. and Sillence, D. (Australia)
- P45 Bone mineral metabolism and bone density in Indian patients with hyperthyroidism
Dhanwal, D.K., Goswami, R., Kochupillai, N. and Gupta, N. (India)

Malignant bone disease

- P46 Neonatal hematopoietic stem cell transplantation following low dose busulfan conditioning rescues oc/oc mice from osteopetrosis and blindness
Askmyr, M., Holmberg, J., Flores, C., Ehinger, M., Hjalt, T. and Richter, J. (Sweden)

Orthopaedics

- P47 Comparison of scaffold-based and scaffold-independent delivery systems for bone tissue engineering
Yu, N.Y.C., Ruys, A.J., Mikulec, K., Peacock, L., Schindeler, A. and Little, D.G. (Australia)
- P48 Transient upregulation of certain smooth muscle-associated proteins in osteoprogenitor cells of early, soft fracture callus: implications for the fracture repair process
McDonald, S.J., Dooley, P.C., McDonald, A.C., Schuijers, J.A., Ward, A.R. and Grills, B.L. (Australia)
- P49 Inhibition of Matrix metalloproteinase (MMP) activity delays bone repair whereas inhibition of osteoclast function and formation does not
McDonald, M.M., Mikulec, K., Peacock, L., Lah, T. and Little, D.G. (Australia)
- P50 Differential effects of selective and non-selective NSAIDs on stress fracture healing
Kidd, L.J., Cowling, N.R., Kelly, W.L. and Forwood, M.R. (Australia)
- P51 Herbal Epimedium-derived bioactive compound icariin reduces the incidence of steroid-associated osteonecrosis
Sheng, H., Zhang, G., Qin, L., Wang, Y.X., Wang, X.L., Lee, K.M., Yao, X.S. and Leung, K.S. (Hong Kong SAR China and China)

Paediatrics

- P52 Born small is not bad for bone
Wang, Q., Cheng, S. and Seeman, E. (Australia and Finland)
- P53 Vitamin D for improving bone density in children
Winzenberg, T., Powell, S., Shaw, K. and Jones, G. (Australia)
- P54 The difference in bone strength between overweight children and normal-weight peers is larger in the lower limbs than in the upper limbs
Ducher, G., Daly, R.M., Eser, P., Naughton, G.A., English, R., Patchett, A., Gravenmaker, K.J., Seibel, M.J., Javaid, A., Telford, R.D. and Bass, S.L. (Australia, Switzerland and UK)
- P55 The association between maternal diet during pregnancy and bone mass of the children at age 16
Yin, J., Dwyer, T., Riley, M., Cochrane, J. and Jones, G. (Australia)
- P56 A 2 year follow-up study of the effects of Zoledronic acid infusion on bone and mineral metabolism in children with secondary osteoporosis
Johannesen, J., Briody, J., Little, D., Cowell, C.T. and Munns, C.F. (Australia)
- P57 Femur length; its intra-uterine origin and shifting trajectory of growth
Bjørnerem, Å., Johnsen, S.L., Wilsgaard, T., Kiserud, T. and Seeman, E. (Norway and Australia)

Densitometry

- P58 Using mortuary CT data to evaluate age related bone changes in the hip
Hislop-Jambrich, J.L., Thomas, C.D., Briggs, C.A., Hall, C.J. and Clement, J.G. (Australia)
- P59 Micro-structural basis of bone fragility in women and men
Ghasem-Zadeh, A., Wang, X., Wang, Q., Evans, A., Iuliano-Burns, S., Zebaze, R. and Seeman, E. (Australia)
- P60 Determinants of subchondral bone mineral density; a cross-sectional study
Dore, D., Ding, C., Winzenberg, T., and Jones, G. (Australia)
- P61 DXA bone densitometry precision as a function of BMD values.
Mullan, B.P. and O'Connor, M.K. (USA)

Bone quality and mechanical properties

- P62 The long-term response of the bone surrounding a titanium implant in the rat maxilla; the detailed process of bone remodeling following osseointegration
Haga, M., Fujii, N., Nozawa-Inoue, K., Nomura, S., Uoshima, K. and Maeda, T. (Japan)

- P63 Relationships between mineralisation and micromechanical properties within the individual remodelling packets of human femoral trabecular bone spicules
Smith, L.J., Schirer, J., Dickinson, M.E. and Fazzalari, N.L. (Australia and USA)
- P64 Bone mineralization from Micro-CT, a comparison with Backscattered Electron Imaging
Sutton-Smith, P., Parkinson, I.H. and Fazzalari, N.L. (Australia)
- P65 IL-6, VEGF and COX-2 expression during stress fracture healing
Wu, C.K.A., Kidd, L., Cowling, N., Kelly, W.L. and Forwood, M.R. (Australia)
- P66 Characterisation of the skeletal phenotype of protease-activated receptor-2 knockout mice
Georgy, S.R., Wong, D., Zadeh, A.G., Zebaze, R., Seeman, E., Pagel, C.N. and Mackie, E.J. (Australia)
- P67 Racial differences in bone microstructure and density at distal radius between young Chinese and Caucasian women
Wang, X.F., Wang, Q., Ghasem-Zadeh, A., Evans, A. and Seeman, E. (Australia)
- P68 Sex differences in bone morphology are the result of size not microstructure during growth
Wang, X.F., Wang, Q., Ghasem-Zadeh, A., Evans, A. and Seeman, E. (Australia)
- P69 Short-term vitamin D deficiency causes cancellous bone loss without changes to either cortical bone volume or mechanical strength in the rat tibia
Lee, A.M.C., Anderson, P.H., Sawyer, R.K., Moore, A.J., Forward, M., Steck, R., Morris, H.A. and O'Loughlin, P.D. (Australia)
- P70 Osteocytic expression of sclerostin in fragility hip fracture patients
Truong, L., Papadopoulos, A., Fazzalari, N.L. and Kuliwaba, J.S. (Australia)
- P71 Effect of porosity on measures of cortical bone strength
Bohte, A., Zebaze, R., Price, R.I., Kim, B.T., Ghasem-Zadeh, A. and Seeman, E. (Australia)
- P72 Altered biomechanical characteristics in the bones of adiponectin deficient mice
Williams, G.A., Thorpe, A., Callon, K.E., Broom, N., Naot, D., Gamble, G.D., Reid, I.R. and Cornish, J. (New Zealand)
- P73 Peripheral Quantitative Computed Tomography radial bone structure declines with ageing and is associated with fracture risk in elderly women
Scott, S.G., Zhu, K. and Prince, R.L. (Australia)
- P74 Calcium supplementation in human lactation does not protect Areal Bone Mineral Density (aBMD) or cortical indices of bone structural geometry
Price, R.I., Khoo, B.C.C., Kent, G.N., Retallack, R.W. and Gutteridge, D.H. (Australia)
- P75 Fatal fractures of Thoroughbred racehorses -3 D microstructure of the metacarpus
Whitton, C., Ghazem Zadeh, A., Trope, G., Anderson, G., Parkin, T., Charles, J., and Seeman, E. (Australia and Scotland)
- P76 Cortical and trabecular bone: a dichotomy revisited
Zebaze, R., Bohte, A., Mackie, E.J., Price, R.I. and Seeman, E. (Australia)
- P77 Bone properties respond differently to mechanical loading with different jumping exercise duration
Ooi, F.K., Singh, R., Singh, H.J. and Umemura, Y. (Malaysia and Japan)
- P78 Effects of jumping exercise and subsequent short and long term deconditioning on tibia bones in female rats
Ooi, F.K., Singh, R., Singh, H.J. and Umemura, Y. (Malaysia and Japan)

Mineral regulating hormones

- P79 Normal intramembranous fracture healing in mice with transgenic osteoblast-targeted disruption of glucocorticoid signalling: analysis of the early healing phase
Weber, A.J., Li, G., Kalak, R., Street, J., Dunstan, C.R., Buttgeriet, F., Zhou, H. and Seibel, M.J. (Australia, Germany and UK)
- P80 The structural basis of sexual dimorphism in the vertebra; studies in rats gonadectomized during early development using $\frac{1}{4}$ CT
Kim, B.T., Ghasem-Zadeh, A., Zhang, X.Z. and Seeman, E. (Australia)
- P81 Role of N-linked glycosylation in setting the Ca^{2+} sensitivity of the extracellular calcium-sensing receptor
Brennan, S.C. and Conigrave, A.D. (Australia)

Cytokine, growth factor and hormone mechanisms of action

- P82 PTHrP(1-141) and PTH(1-34) differ in their activation of adenylyl cyclase in UMR106 cells
Ho, P.W.M., Onan, D. and Martin, T.J. (Australia)
- P83 EphrinB2-EphB4 receptor antagonists inhibit terminal osteoblast differentiation
Ho, P.W.M., Allan, E.H., Sims, N.A. and Martin, T.J. (Australia)
- P84 Osteopenia in RAR γ null mice
Purton, L.E., Hausler, K.D., Poulton, I.J., Walkley, C.R., Quinn, J.M., Wu, J.Y., Martin, T.J., Gillespie, M.T. and Sims, N.A. (Australia and USA)
- P85 IL-33 inhibits osteoclast formation in vitro through two independent mechanisms

- Saleh, H., Quinn, J.M.W., Martin, T.J. and Gillespie, M.T. (Australia)
- P86 Oncostatin M receptor signalling in osteoblasts is required for normal osteoclast formation
Walker, E.C., McGregor, N.E., Poulton, I.J., Pompolo, S., Quinn, J.M.W., Gillespie, M.T., Martin, T.J. and Sims, N.A. (Australia)
- P87 CNTF regulates mineralisation and plays a sex-specific role in bone regulation
McGregor, N.E., Poulton, I.J., Walker, E.C., Pompolo, S., Gillespie, M.T., Martin, T.J. and Sims, N.A. (Australia)
- P88 Mechanisms of the anti-osteoclastogenic action of fatty acids
Lin, J.M., Tong, P.C., Callon, K.E., MacGibbon, A., Dunford, J.E., Naot, D., Grey, A., Reid, I.R. and Cornish, J. (Australia, New Zealand and UK)
- P89 Identification of genes regulated by PTH and gp130 cytokines in differentiating osteoblasts
Quach, J.M., Allan, E.H., Häusler, K.D., Gillespie, M.T. and Martin, T.J. (Australia)
- P90 Expression of EphrinB2 and EphB4 in rat tibial bone
Pompolo, S., Gooi, J.H., Allan, E.H., Gillespie, M.T., Martin, T.J. and Sims, N.A. (Australia)
- P91 The chemokine Cxcl1 is a target of PTH/PTHrP in committed osteoblasts
Onan, D., Allan, E.H., Quinn, J.M., Sims, N.A., Gooi, J., Gillespie, M.T. and Martin, T.J. (Australia)
- P92 Interleukin 6 in patients with fragility fracture
Qu, N., Wei, Z., Wang, C., Guo, Y., Liu, Z. and Yang, X. (China)
- P93 Mechanisms of action of lactoferrin in osteoblast cells
Chhana, A., Cornish, J., Callon, K.E., Reid, I.R. and Naot, D. (New Zealand)
- P94 WITHDRAWN
- P95 Endogenous glucocorticoid signaling in osteoblasts is necessary to maintain normal bone structure in mice
Kalak, R., Street, J., Day, R.E., Modzelewski, J.R.K., Liu, P.Y., Li, G., Dunstan, C.R., Zhou, H. and Seibel, M.J. (Australia and UK)
- P96 The challenge of continuous exogenous glucocorticoid administration in mice
Herrmann, M., Henneicke, H., Street, J., Modzelewski, J., Buttgerit, F., Dunstan, C.R., Zhou, H. and Seibel, M.J. (Australia and Germany)
- P97 Inhibition of sclerostin mRNA production in osteoblastic cells by oncostatin M and related cytokines
Solano, M., Häusler, K.D., Walker, E.C., MacGregor, N.E., Ho, P.W.M., Quinn, J.M.W., Quach, J.M., Martin, T.J., Gillespie, M.T. and Sims, N.A. (Australia)

Cell biology

- P98 Altered gene expression and chondrocyte morphology in early osteochondrosis lesions
Mirams, M., Tatarczuch, L., Ahmed, Y.A., Pagel, C.N., Jeffcott, L.B., Davies, H.M.S. and Mackie, E.J. (Australia)
- P99 MEF2 and MITF collaborate with NFATc1 to activate V-ATPase subunit d2 promoter in RANKL-induced osteoclastogenesis
Feng, H.T., Cheng, T.K., Steer, J.H., Pavlos, N.J., Leong, C.L., Kular, J., Liu, J.Z., Joyce, D.A., Feng, X., Zheng, M.H. and Xu, J. (Australia and USA)
- P100 The endoplasmic reticulum-associated protein, OS-9, regulates calcium-sensing receptor expression
Ward, B.K., Chew, S.W.C., Magno, A.L., Ingley, E., Conigrave, A.D. and Ratajczak, T. (Australia)
- P101 Keratin 18 is upregulated in cells from pagetic lesions and affects gene expression in human osteoblasts
Matthews, B.G., Bava, U., Horwood, N.J., Callon, K.E., Reid, I.R., Cornish, J. and Naot, D. (New Zealand and UK)
- P102 Pharmacological manipulation of TGF- β signalling in bone cells
Morse, A., Kijunnuayporn, S., Mikulec, K., Stanmore, L., Liu, R., Schindeler, A., McDonald, M. and Little, D.G. (Australia)
- P103 Possible effects of the P2X7 receptor in human bone cells
Barron, M.L., Muir, M.M., Clifton-Bligh, R., Wiley, J.S. and Mason, R.S. (Australia)
- P104 Novel peptide activators of the calcium-sensing receptor
Mun, H.C., Broadhead, G.K., Brennan, S.C., Hampson, D.R. and Conigrave, A.D. (Australia and Canada)
- P105 The role of the Y1 receptor in bone metabolism
Lee, N.J., Enriquez, R.F., Doyle, K., Sainsbury, A., Baldock, P.A. and Herzog, H. (Australia)
- P106 Are 'paralysed' chondrocytes really dying cell?
Ahmed, Y.A., Tatarczuch, L., Chen, K.-S., Mirams, M. and Mackie, E.J. (Australia)
- P107 The ultrastructural study of early osteochondrosis lesions
Tatarczuch, L., Mirams, M., Davies, H.M.S. and Mackie, E.J. (Australia)
- P108 Differential expression of periostin and tissue plasminogen activator by morphologically diverse hypertrophic chondrocyte populations
Chen, K.-S., Tatarczuch, L., Ahmed, Y.A., Mirams, M., Pagel, C.N. and Mackie, E.J. (Australia)

- P109 The expression of CYP27B1 in bone is associated with osteoblastic differentiation and mineralization
Tyson, J.H.T., Sawyer, R.K., O'Loughlin, P.D., Morris, H.A. and Anderson, P.H. (Australia)
- P110 Is Bril involved in bone cell-cell interactions?
Thomas, G., Pettit, A. and Moffatt, P. (Australia and Canada)
- P111 Rho inhibitor (BA-210) effects on bone cells *in vitro*
Ling, L., Watson, M., Lin, J-M., Callon, K.E., Reid, I.R. and Cornish, J. (New Zealand)
- P112 Phytochemical molecule Icariin stimulates osteogenic but inhibits adipogenic differentiation of mesenchymal stem cells
Sheng, H., Zhang, G., Wang, X.L., Lee, K.M., Yao, X.S., Leung, K.S., Li, G. and Qin, L. (Hong Kong SAR China and UK)
- P113 Characterization of the role of Peroxisome Proliferator-Activated Receptor (PPAR)-delta in osteoclast biology
Fidalgo, J.P., Fletcher, B., Muscat, G., Ovchinnikov, D.A. and Cassady, A.I. (Australia)
- P114 Theoretical modeling of the treatment of osteoporosis with Denosumab using a coupled pharmacokinetic-bone cell population model
Pivonka, P., Zimak, J., Smith, D.W., Shen, X. and Dunstan, C.R. (Australia)
- P115 Alendronate disrupts calcium dynamics in cardiac myocytes
Duque, G., Kemeny, N., Kasneci, A., Rivas, D., Chalifour, L.E. and Komarova, S. (Australia and Canada)
- P116 Proteasome inhibitors attenuate osteoclastogenesis and bone resorption via the modulation of RANK-mediated p62, CYLD and I κ B- α signaling cascades
Ang, E., Pavlos, N., Chai, T., Yip, K., Rea, S., Ratajczak, T., Zheng, M.H. and Xu, J. (Australia)
- P117 Effect of SSRIs on human osteoclast formation and function
Hodge, J.M., Williams, L.J., Dodd, S., Nicholson, G.C. and Berk, M. (Australia)
- P118 Expression, localisation and functional analysis of cytoplasmic dynein in bone resorbing osteoclasts
Ng, P.Y., Feng, H.T., Ang, E., Zheng, M.H., Xu, J. and Pavlos, N. (Australia)
- P119 Fluorescently-labelled constructs for analysis of Calcium-sensing receptor expression and function
Khan, M.A., Kable, E.W. and Conigrave, A.D. (Australia)
- P120 cAMP: a candidate mediator of thrombin's pro-survival actions?
Loh, L-H., Pagel, C.N., Tudor, E.M., Pike, R.N. and Mackie, E.J. (Australia)
- P121 Osteoclast differentiation in the absence of serum: when RANKL is not enough
Vincent, C., Kogawa, M., Findlay, D.M. and Atkins, G.J. (Australia)