



Australian Research Centre for Population Oral Health

Director's note

In the last six months, ARCPOH staff and students have been heavily involved in presenting at international conferences. In late March and early April, ARCPOH successfully hosted the 6th International Meeting on Methodological Issues in Oral Health under Dr Gloria Mejia's coordination (see page 2).



Prof. Marco Peres



Dr Liana Luzzi

In June, staff and students attended the International Association for Dental Research (IADR) General Session and Exhibition in Cape Town, South Africa. A large contingent from ARCPOH attended the conference, and participated in symposiums, oral presentations and poster sessions along with participation in several meetings of different research groups. One of our PhD students, Xiangqun Ju, received an award for her presentation at IADR (see page 3). Several other ARCPOH PhD students have also received awards. Madhan Balasubramanian received a prize for the best presentation at the School of Dentistry Research Day, while Emmanuel Gnanamanickam, Kamal Maher Batra Hanna and Helena Schuch have received Colgate Travel Grants to attend the ANZ IADR in Brisbane in September this year.

Associate Professor Lisa Jamieson has been officially named as the future president of the IADR Behavioral, Epidemiologic and Health Services Research Scientific Group. Now ARCPOH, particularly the Indigenous Oral Health Unit, are preparing the first International Indigenous Oral Health Conference which will be hosted in Adelaide in late August 2014. Around 80 participants from Australia and overseas are expected to attend.

Associate Professor Loc Do is returning to ARCPOH after spending almost three months on special studies leave in the UK to exchange experiences with scholars from the University of Bristol and University College London in the field of life course epidemiology and oral health inequalities. I am sure Loc's time in the UK will be helpful not only for his career development but also for ARCPOH as a whole.

ARCPOH is currently awaiting the outcome of five NHMRC Project Grant applications and three NHMRC Fellowship applications. Outcomes of these funding rounds will be announced later in the year.

ARCPOH Executive Committee

Professor Marco Peres (Director)
Dr Liana Luzzi (Deputy Director)
Associate Professor Jason Armfield
Associate Professor David Brennan
Associate Professor Loc Do
Associate Professor Lisa Jamieson
Dr Ratilal Laloo
Associate Professor Karen Peres

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6th International Meeting on Methodological Issues in Oral Health

ARCPOH hosted the 6th International Meeting on Methodological Issues in Oral Health Research from 1–3 April 2014, at the National Wine Centre, Adelaide. Over 80 representatives from 35 organisations and 18 countries worldwide attended the conference.

The conference theme 'Addressing the complexities in analysing oral health data', facilitated the discussion of state of the art methodologies on the design, conduct and analysis of oral health research, in particular, but not restricted to, network-meta-analysis, clinical and population studies.

The aims of the meeting were to:

- > Enhance the communication between oral health researchers, statisticians and other scientists interested in high quality oral health research.
- > Discuss methods to improve the design, conduct and analysis of oral health research. Guest speakers included: Professors John Lynch, Dominique Declerck, John Preisser, Emmanuel Lesaffre, Stuart Gansky and Murray Thomson. Professors Declerck and Lesaffre led a pre-conference workshop and Professor Leopoldo Ferreira Antunes led a post-conference workshop. Invited speakers were incredibly generous with their knowledge and expertise. ARCPOH staff and students truly maximised their capacity. Their visit was extremely beneficial for the great learning opportunity they provided, particularly for our junior researchers and postgraduate students.



New PhD students

Helena Schuch

Social and biological risk factors for periodontal disease in adulthood

Helena is a dentist with a Master's degree in Dentistry from the Federal University of Pelotas, Brazil. She started her PhD in May, 2014 at ARCPOH as a scholar under the 'Science Without Borders Program' (Brazilian Government Scholarship), under the supervision of Professor Marco Peres, Associate Professor Loc Do and Associate Professor Karen Peres. Her study aims to explore social and biological risk factors for periodontal diseases in adulthood using a life-course approach. Helena collected the data in her home country and is currently in the process of narrowing down her research question by reviewing literature and enhancing research skills through attending University workshops such as the Integrated Bridging Program (IBP-R).



Ankur Singh

Association between social capital and oral health related behaviours in adolescents

Ankur graduated in dental surgery from India and completed his MSc in Dental Public Health from University College London, UK. His Master's dissertation focused on social inequalities in clustering of oral health behaviours among British adults. He has previously worked with the Department of Health Promotion and Tobacco Control at the Public Health Foundation of India (PHFI) and has contributed extensively to various projects during his tenure. He joined ARCPOH in May, 2014 as a PhD candidate and his project aims to explore the relationship between social capital and neo-materialism with oral health. He was awarded a prestigious Australian Postgraduate Award – International. His supervisors are Professor Marco Peres and Dr Jane Harford.



New staff member

Ratilal Laloo



Dr Ratilal Laloo joined ARCPOH in April 2014 as a Senior Research Fellow. He is the Acting Director of the Dental Practice Education Research Unit and National Oral Health Promotion Clearinghouse. Prior to joining ARCPOH, he was the Colgate Chair: Rural, Remote and Indigenous Oral Health in the School of Dentistry and Oral Health, Griffith University, Queensland. Before coming to Australia, he was an academic at two dental schools in South Africa for almost 20 years. Ratilal is a dental public specialist having completed his undergraduate degree in dentistry, an honours degree in Epidemiology, a Master's degree in Community Dentistry and a PhD in Dental Public Health at University College London, UK. Ratilal has published widely and his main research interests vary across many dental public health issues including health services research, evidence-based dentistry, oral health-related quality of life and health inequalities.

Research activity

Primary Oral Health CRE

Archana Pradhan has completed data collection for a disability project under the Centre of Research Excellence (CRE) in Primary Oral Health. She presented 'Training in oral care for carers of adults with physical and intellectual disabilities' at a roundtable discussion at the Special Care Dentistry Meeting in Chicago, USA (10–13 April 2014). A paper is being prepared for publication.



In June, Archana was invited by Dr Tony Barnett, Director of the Centre for Rural Health (CRH), University of Tasmania (UTas) to talk on the oral health of people with special needs. Subsequently, she presented 'Research activities in Special Needs Dentistry' to the staff at CRH (Launceston) to explore collaboration possibilities regarding research related to underserved populations in rural settings. She also visited staff at the Wicking Dementia Research and Education Centre, UTas (Hobart) involved with health policy and service research and interested in oral health, nutrition and respiratory infections to develop and foster inter-professional partnerships.

Staff achievements

Awards

- > The Australian Dental Research Foundation (ADRF) awarded Gloria Mejia and Wendy Cheung the International College of Dentists (ICD), Australasian Section, Community Oral Health Award for their project 'Maternal and perinatal factors associated with early childhood caries'.
- > Xiangqun Ju received the J. Morita Junior Investigator Award for Geriatric Oral Research (Pre-doctoral Category), Best Presentation in Geriatric Oral Research at IADR Cape Town, South Africa. The title of her presentation was 'Systemic diseases predict periodontal attachment loss progression: A longitudinal study'.
- > Kamal Hannah, Emmanuel Gnanamanickam and Helena Schuch each received a Colgate Travel Grant for their abstract submission to the ANZ IADR meeting to be held in Brisbane in September, 2014.

External Committee Appointments

- > Lisa Jamieson has been appointed to participate in an NHMRC Project Grant Review Panel for 2014.
 - > David Brennan has been appointed to the NHMRC Career Development Fellowship peer review population health panel from March to December 2014.
 - > Haiping Tan is a member of the Expert Reference Group for the aged care node of the Joanna Briggs Institute (JBI) COOnNECT – online access to JBI resources. Dr Tan assists in developing and maintaining evidence-based clinical content for clinicians, researchers and students. Involvement in the group is by quarterly teleconference and correspondence as required.
 - > Emmanuel Gnanamanickam is the newly-elected Co-Chair of the National Council of Future Health Leaders (FHL) Australia, following on from being the international representative on the Council since 2012.
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Upcoming ARCPOH conferences

The International Indigenous Oral Health Conference will be held in Adelaide from 27–29 August 2014.

The aims of the conference are to:

- > Inform researchers, policy makers and the lay public of the challenges in conducting oral health research among Indigenous groups.
- > Explore issues surrounding translation into policy of oral health research among these populations.
- > Describe interventions.

Two international guest speakers (Professor Kamilla Venner, University of New Mexico and Professor Terry Batliner, University of Colorado) will share their knowledge of using novel research approaches to improve Indigenous oral health and teach us strategies to translate Indigenous oral health research findings to influence policy.

For further information please visit: <http://www.adelaide.edu.au/iiohc/>



ARCPOH published papers 2014

Book

Do L and Spencer AJ (eds) (2014). The beginning of change: Queensland Child Oral Health Survey 2010–2012. <http://www.health.qld.gov.au/research-reports/reports/oral-health/default.asp>

Book Chapters

Spencer AJ, Roberts-Thomson K and Do L (2014). Executive Summary. In: Do LG and Spencer AJ (Editors). The Beginning of Change: Queensland Child Oral Health Survey 2010–2012. Pp. ix–xvi.

Spencer AJ (2014). Chapter 1: Introduction. In: Do LG and Spencer AJ (Editors). The Beginning of Change: Queensland Child Oral Health Survey 2010–2012. Pp. 1–4.

Do L, Ellershaw A, Roberts-Thomson K, Beckwith K, Mejia G and Johnston Z (2014). Chapter 2: Survey methods. In: Do LG and Spencer AJ (Editors). The Beginning of Change: Queensland Child Oral Health Survey 2010–2012. Pp. 5–20.

Mejia G, Ellershaw A, Ha D and Koster C (2014). Chapter 3: Study sample characteristics. In: Do LG and Spencer AJ (Editors). The Beginning of Change: Queensland Child Oral Health Survey 2010–2012. Pp. 21–42.

Ha D, Roberts-Thomson K and Do L (2014). Chapter 4: Oral health status. In: Do LG and Spencer AJ (Editors). The Beginning of Change: Queensland Child Oral Health Survey 2010–2012. Pp. 43–126.

Beckwith K, Koster C and Ha D (2014). Chapter 5: Use of dental services. In: Do LG and Spencer AJ (Editors). The Beginning of Change: Queensland Child Oral Health Survey 2010–2012. Pp. 127–61.

Armfield J and Beckwith K (2014). Chapter 6: Oral health behaviours. In: Do LG and Spencer AJ (Editors). The Beginning of Change: Queensland Child Oral Health Survey 2010–2012. Pp. 163–88.

Do L, Ha D, Spencer AJ, Armfield J and Roberts-Thomson K (2014). Chapter 7: Trends in child oral health in Queensland. In: Do LG and Spencer AJ (Editors). The Beginning of Change: Queensland Child Oral Health Survey 2010–2012. Pp. 189–96.

Spencer AJ, Do L, Roberts-Thomson K, Armfield J, Thomas R and Stute B (2014). Chapter 8: Interpretation of findings. In: Do LG and Spencer AJ (Editors). The Beginning of Change: Queensland Child Oral Health Survey 2010–2012. Pp. 197–210.

Data Watch

- ARCPOH, Ellershaw AE (2014). Dental attendance patterns of Australian adults. *Aust Dent J (Data Watch)* 59(1):129–34.
- ARCPOH, Luzzi L and Harford J (2014). Financial burden of dental care among Australian children. *Aust Dent J (Data Watch)* 59(2):268–72.
- ARCPOH, Ha D (2014). Oral health of Australian Indigenous children compared to non Indigenous children enrolled in school dental services. *Aust Dent J (Data Watch)* 59(3):395–400.

Journal Articles

- Amarasena N, Kapellas K, Skilton M, Maple-Brown L, Brown A, Bartold PM, O’Dea K, Celermajer D, Slade GD and Jamieson LM (2014). Oral health behaviours and perceptions reported by Indigenous Australians living in Darwin, Northern Territory. *Community Dental Health* 31(1):57–61.
- Armfield JM, Enkling NE, Wolf CA and Ramseier CA (2014). Dental fear and satisfaction with dental services in Switzerland. *J Public Health Dent* 76:57–63.
- Boing AC, Peres KG, Boing AF, Hallal PC, Silva NN and Peres MA (2014). EpiFloripa Health Survey: the methodological and operational aspects behind the scenes. *Rev Bras Epidemiol* 17(1):147–62.
- Brennan DS and Spencer AJ (2014). Childhood oral health and SES predictors of caries in 30-year-olds. *Caries Res* 48:237–43.
- Brennan DS and Spencer AJ (2014). Health-related quality of life and income-related social mobility in young adults. *Health Qual Life Outcomes* 12:52.
- Broughton JR, Person M, Maipi JTH, Cooper-Te Koi R, Smith-Wilkinson A, Tiakiwai SJ, Kilgour J, Berryman K, Morgaine KC, Jamieson LM, Lawrence HP and Thomson WM. Ukaipo niho: the place of nurturing for oral health. *NZ Dent J* 110(1):18–23.
- Conceição MBM, Boing AF and Peres KG (2014). Time trends in prostate cancer mortality according to major geographic regions of Brazil: an analysis of three decades. *Cad Saúde Pública* 30(3):559–66.
- Crego A, Carrillo-Díaz M, Armfield JM and Romero M (2014). From public mental health to community oral health: the impact of dental anxiety and fear on dental status. *Frontiers in Public Health* 2(16):1–4.
- Crocombe LA, Slack-Smith L, Bell E and Barnett T (2014). The changing oral health situation in Australia and moving towards primary oral health care. *Asia Pacific Journal of Health Management* 9(1):45–49.
- Crocombe LA, Bell E and Barnett T (2014). Grazing: Is it time for an advanced rural dentist? *Aust J Rural Health* 22:86.
- Demarco FF, Peres KG and Peres MA (2014). Life course epidemiology and its implication for oral health. *Braz Oral Res* <http://dx.doi.org/10.1590/S1806-83242014.50000006> (editorial).
- Do LG, Spencer AJ, Dost F and Farah C (2014). Oral mucosal lesions: findings from the Australian National Survey of Adult Oral Health. *Aust Dent J* 59(1):114–20.
- Do LG, Scott JA, Thomson WM, Stamm JW, Rugg-Gunn AJ, Levy SM, Wong C, Devenish G, Ha DH and Spencer AJ. Common risk factor approaches to address socioeconomic inequality in the oral health of preschool children – a prospective cohort study. *BMC Public Health* 2014, 14:429
- Gardner SP and Roberts-Thomson KF (2014). The effect of a change in selection procedures on students’ motivation to study dentistry. *Aust Dent J* 59(1):2–8.
- Godwin D, Hoang H, Bell E and Crocombe LA (2014). Dental practitioner rural work movements: a systematic review. *Rural Remote Health* 14:2825 (online).
- Goettems ML, Schuch HS, Hallal PC, Torriani DD and Demarco FF (2014). Nutritional status and physical activity level as risk factor for traumatic dental injuries occurrence: a systematic review. *Dent Traumatol* 30(4):251–8.
- Jones K, Parker E, Mills H, Brennan D and Jamieson LM (2014). Development and psychometric validation of a Health Literacy in Dentistry Scale (HeLD). *Community Dental Health* 31(1): 37–43.
- Ju X, Brennan DS and Spencer AJ (2014). Age, period and cohort analysis of patient dental visits in Australia. *BMC Health Services Research* 14:13.
- Kapellas K, Skilton MR, Maple-Brown LJ, Do LG, Bartold PM, O’Dea K, Brown A, Celermajer DS and Jamieson LM (2014). Periodontal disease and dental caries among Indigenous Australians living in the Northern Territory, Australia. *Aust Dent J* 59(1):93–9.

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- Kapellas K, Jamieson LM, Do LG, Bartold PM, Maple-Brown LJ, Sullivan DR, O’Dea K, Brown A, Celermajer DS, Slade GD and Skilton MR (2014). Associations between periodontal disease and cardiovascular surrogate measures among Indigenous Australians. *Int J Cardiol* 173:190–196.
- Lo ECM and Tan HP (2014). Cultural challenges to oral healthcare implementation in elders. *Gerodontology* 31 (Suppl. 1):72–6.
- Mejia GC, Armfield JM and Jamieson LM (2014). Self-rated oral health and oral health inequalities. *Aust Dent J* 59(2):226–33.
- Peres KG, Peres MA, Demarco FF, Gigante DP, Horta BL, Menezes AB, Hallal PC, Matijasevich A, Santos IS and Barros AJD (2014). The oral health studies in the Pelotas birth cohort studies, RS, Brazil. *Rev Bras Epidemiol* 17(1):281–4.
- Peres MA, Peres KG, Boing AF, Bastos JL, Silva DA and González-Chica DA (2014). Oral health in the EpiFloripa: a prospective study of adult health in Southern Brazil. *Rev Bras Epidemiol* 17(2):571–5.
- Plutzer K and Keirse MJNC (2014). Influence of an intervention to prevent early childhood caries initiated before birth on children’s use of dental services up to 7 years of age. *The Open Dentistry Journal* 8:104–8.
- Roberts-Thomson KF, Do LG, Bartold PM, Daniels J, Grosse A and Meihubers S (2014). Prevalence, extent and severity of severe periodontal destruction in an urban Aboriginal and Torres Strait Islander population. *Aust Dent J* 59(1): 43–7.
- Silva KS, Filho VCB, Del Duca GF, Peres MA, Mota J, da Silva Lopes A and Nahas MV (2014). Gender differences in the clustering patterns of risk behaviours associated with non-communicable diseases in Brazilian adolescents. *Prev Med* 65:77–81.
- Teusner DN, Anikeeva O and Brennan DS (2014). Self-rated dental health and dental insurance: modification by household income. *BMC Health and Quality of Life Outcomes* 12:67.
- Torriani DD, Ferro RL, Bonow MLM, Santos IS, Matijasevich A, Barros AJD and Demarco FF and Peres KG (2014). Dental caries is associated with dental fear in childhood: findings from a birth cohort study. *Caries Res* 48:263–70.
- Vargas-Ferreira F, Zeng J, Thomson WM, Peres M and Demarco FF (2014). Association between developmental defects of enamel and dental caries in schoolchildren. *J Dent* 42:540–6.