

Chamila Panduwawala

University of Sharjah, College of Dental Medicine,
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PERSONAL INFORMATION

Citizenship: Sri Lankan

Sex: Male

Researchgate:

https://www.researchgate.net/profile/Chamila_Panduwawala

EDUCATION

2011- 2015

Doctor of Philosophy

Faculty of Dentistry, The University of Hong Kong

2004-2009

Bachelor of Dental Surgery – BDS (Hons)

Faculty of Dental Sciences, University of Peradeniya, Sri Lanka

Distinctions: Microbiology, Restorative Dentistry and Oral Pathology

TEACHING AND RESEARCH INTEREST

Oral Microbiology

Tissue engineering

Stem cell biology

Clinical trials

TEACHING EXPERIENCE

2017- Present

Assistant Professor at the College of Dental Medicine, University of Sharjah, UAE.

BDS undergraduate 1st 2nd and 3rd year teaching

- Microbiology
- Anatomy
- Research Methodology
- Problem Based Learning
- Theme Based Learning
- Focused group discussions

2015-2017

Faculty of Dentistry, The University of Hong Kong

BDS undergraduate (4th year) teaching

-Lead in Focused group discussions as part of the undergraduate curriculum

-Co-facilitator for Problem based learning as part of the undergraduate curriculum

- Reviewing and assessing the examination papers for the undergraduate community dentistry curriculum
- Community dentistry oral health project coordination for BDS undergraduate students as a part of their curriculum
- Mentor PhD students in designing their research and laboratory works in aspects of methodology and publications
- Mentor honorary research fellows within the postgraduate research program
- Coordinate MSc/MDS research projects

Certificate of Teaching and Learning in Higher Education – Centre for the Enhancement of Teaching and Learning, The University of Hong Kong

RESEARCH EXPERIENCE

August 2016 to August 2017

Research Associate, School of Biomedical Sciences, Li Ka Shing Faculty of Medicine, The University of Hong Kong- (Former Department of Anatomy)

- Focus on pathogenies of diabetes and drug discoveries

February 2015 to August 2016

Research Assistant, Periodontology and Public Health, Faculty of Dentistry, The University of Hong Kong

Supervisor: Professor Colman McGrath
Dental Public Health, Faculty of Dentistry, HKU

- Clinical trials
- Systematic reviews

2011-2015

PhD candidate, Faculty of Dentistry, The University of Hong Kong

- Conducting research in tissue engineering and periodontal regenerative medicine

- Development of novel 3D-periodontal ligament stem cell sheet and its application into clinical setting

2008-2009

Undergraduate research, Faculty of Dental Sciences, University of Peradeniya, Sri Lanka

- Undergraduate research project- Assessment of patients' needs and demands towards dental treatments in Sri Lanka

PROFESSIONAL EXPERIENCE

2009-Present General Dental Practitioner – (Sri Lanka Medical Council Reg. No. 2447)

SELECTED HONORS AND AWARDS

- 2014 **Best Three-Minute thesis presenter award**- Annual scientific meeting, Faculty of Dentistry, The University of Hong Kong.
- 2013 **First Runner up**- Morrison Hall Research Symposium, The University of Hong Kong.
- 2013 **Postgraduate Students Conference/Seminar Grants**, The University of Hong Kong.
- 2011-2014 **Postgraduate student scholarship**, The University of Hong Kong.
- 2004-2009 **“Mahapola” Graduate Scholarship**, University Grant committee, Sri Lanka.

PUBLICATION PEER REVIEWED

Bandara, N., **Panduawala, C. P.** & Samaranayake, L. P., Biodiversity of the Human Oral Mycobiome in Health and Disease 11 Jun 2018, In: Oral Diseases.

(Impact factor 2.3)

Link: <https://onlinelibrary.wiley.com/doi/full/10.1111/odi.12899>

Panduawala CP, Samaranayake LP, Jin L & Zhang C. Human umbilical vein endothelial cells synergize osteo/odontogenic differentiation of periodontal ligament stem cells in 3D cell sheets. Journal of Periodontal Research 2013; doi:10.1111/jre.12107

(Impact Factor: 2.7)

Link: <http://onlinelibrary.wiley.com/doi/10.1111/jre.12107/full>

Panduwawala CP, Samaranayake LP, Jin L & Zhang C. Periodontal ligament stem cells; an update and perspectives. Journal of clinical and investigative dentistry doi: 10.1111/jicd.12089

Link: <http://onlinelibrary.wiley.com/doi/10.1111/jicd.12089/full>

Panduwawala CP, Xuan Zhan, Waruna Lakmal Dissanayaka, Lakshman P. Samaranayake, Lijian Jin, Chengfei Zhang. *In vivo* periodontal tissue regeneration by periodontal ligament stem cells and endothelial cells in 3D cell sheet constructs. Accepted- Journal of Periodontal Research 2016; doi: 10.1111/jre.12405

(Impact Factor: 2.7)

Link: <http://onlinelibrary.wiley.com/doi/10.1111/jre.12405/full>

ABSTRACTS/ORAL AND POSTER PRESENTATIONS

Panduwawala CP, Samaranayake LP. Jin LJ, Zhang CF, Development of Novel 3D Stem Cell Sheet for Periodontal Regeneration, J Dent Res 93(Spec Iss B):1067, 2014

Panduwawala CP, Samaranayake LP, Jin LJ, Zhang CF, HUVECs Synergize Osteo/Odontogenic Differentiation Of PDLSCs In 3D Cell Sheets [abstract]. In: Proceedings of IADR Asia/Pacific Region, Regional Meeting and Co-Annual Scientific Meeting of IADR Divisions; 2013 Aug 21-23; Bangkok, Thailand

Panduwawala CP, Samaranayake LP. Jin LJ, Zhang CF, Synergistic Effects of PDL Stem Cells/HUVECs in 3D Cell Sheet, J Dent Res 92(Spec Iss A):3900, 2013

Panduwawala CP, Samaranayake LP, Zhang CF, Engineering prevascularized periodontal ligament stem cell sheet by endothelial and periodontal ligament cells [abstract]. In: Proceedings of The University of Hong Kong – West China college of stomatology Conjoint Scientific Sessions; 2011 Nov 24-25; Chengdu, China.

S. Leung, **Panduwawala CP**, McGrath C, Traditional Ayurvedic Oral Health Practices: A Systematic Review [abstract]. In: Proceedings of IADR Asia/Pacific Region, Regional Meeting and Co-Annual Scientific Meeting of IADR Divisions; 2015 Aug 14-15; Bali, Indonesia

Invited Lectures: “Periodontal regeneration- cell sheet based approach”
School of Stomatology, Shandong University, China. 2013

Certificate of attendance The 4th International Anatomical Sciences and
Cell Biology Conference -4th-6th December 2016, Hong Kong

TEACHING SKILLS AND RESEARCH SKILLS

- **Problem based learning (PBL) co-facilitator**
- **Lead community dentistry focused group discussions – BDS undergraduate**
- **Developing and reviewing examination questions**
- **A reviewer - Journal of Investigative and Clinical Dentistry**
- **Cell culture techniques and molecular biology instrumentations**
- **Animal Experiments**
 - Mice- The University of Hong Kong. Approval number CULATR 2286-10
- **Microbiological techniques**
 - Isolation and identification of microorganisms including microbial staining
 - Both aerobic and anaerobic culture techniques
- **Microscopic techniques**
 - Light Microscopy
 - Confocal Laser Scanning Microscopy
 - Scanning Electron Microscopy
- **Oral biology, Oral anatomy, Oral histology and Oral Epidemiology**
- **Data analysis:** Excel and SPSS
- **Bibliographic database:** EndNote and Systematic review (PRISMA guideline)
- **Language proficiency:** English – Fluent (reading, writing and speaking)

ACADEMIC TRAINING COURSES

- Cell Biology (MMPH 6007)
- Introduction to Thesis Writing (GRSC 6021)
- Transferable Skills (GRSC 6008)
- Research Ethics for Graduate Students (GRSC 6009)
- Effective Academic Presentation (GRSC 6004)
- How to Publish Your Research (The Sciences & Related Disciplines) (GRSC 6015)
- Making Your Writing Clear (GRSC 6002)
- Oral Epidemiology and Clinical Research Methodology (DENT 6023)
- Introduction to Statistical Analysis in Dental Research (DENT 6024)

- Multivariable Statistical Analysis in Dental Research and Use of Statistical Software (DENT 6025)
- Attending continuous professional development (CPD) workshops and seminars in Faculty of Dentistry, HKU
- Knowledge Exchange Program- School of Stomatology, Shandong University, China. 2013

PROFESSIONAL MEMBERSHIPS AND ACTIVITIES

- Member of Sri Lankan medical council (Reg. No. 2447)
- Member of Sri Lankan Dental Association