



FACULTY OF DENTISTRY

Annual Report
2018/19



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FACULTY VISION & MISSION

VISION

To be a dental institution of international distinction

MISSION

Improve oral health through academic excellence, high impact research and quality clinical practice

DEAN'S MESSAGE

It is a special year for the Faculty, as we commemorate the 90th anniversary of the Faculty of Dentistry. It has been 90 years since the Faculty of Dentistry was first established as a Department of Dentistry within the King Edward VII College of Medicine. In the early days, the study of dentistry was rather basic, with many suffering from diseased teeth and gums. The concept of preventive dentistry was almost unknown, and the population's experience of dental treatment was often painful and traumatic, and the basis for a lifetime's abhorrence of dental care.

We have come a long way since then, and the practice of dentistry has been greatly enhanced through high quality education and innovation, translation of research into clinical care and enhanced understanding of population health. We now stand at the cusp of an exciting new age in oral health, and are poised to contribute significantly to this shift.

The Faculty of Dentistry has always ensured that its education and training programmes have had sufficient resilience to adapt quickly to ensure our graduates are trained in the most up-to-date techniques and safe practice of primary care dentistry.

As the Faculty evolved over the decades, the provision of dental care has become more complex as technology advances and chronic disease over a life course impacts oral health. As our society ages, and bearing in mind that dental disease is chronic in nature with a lifetime of exposure to risk factors, the requirement for oral healthcare will grow steadily in the coming years. It is vitally important to help the population achieve good oral health for life, and thus help reduce the incidence of oral frailty, poor nutrition and impaired quality of life associated with dental disease.

With the evolution over the past 90 years, our research programmes will also be shaping the future of oral healthcare as our research efforts has intensified to find solutions today for the problems of the future. With the opening of the National University Centre for Oral Health, Singapore, the Faculty now has a home where dental education, research and clinical service is synergised under one roof with oral healthcare clinicians and academicians working together to improve health through oral healthcare. This is a physical manifestation of the how far we have come in the span of 90 years in the development of Singapore's oral healthcare and stands as one of the biggest milestone for the Faculty.

All these achievements would not have been possible without the support of our Alumni and donors. We are fortunate to have alumni who have been generously giving their time and resources to the development of future generations of dentists and for this we are very grateful.

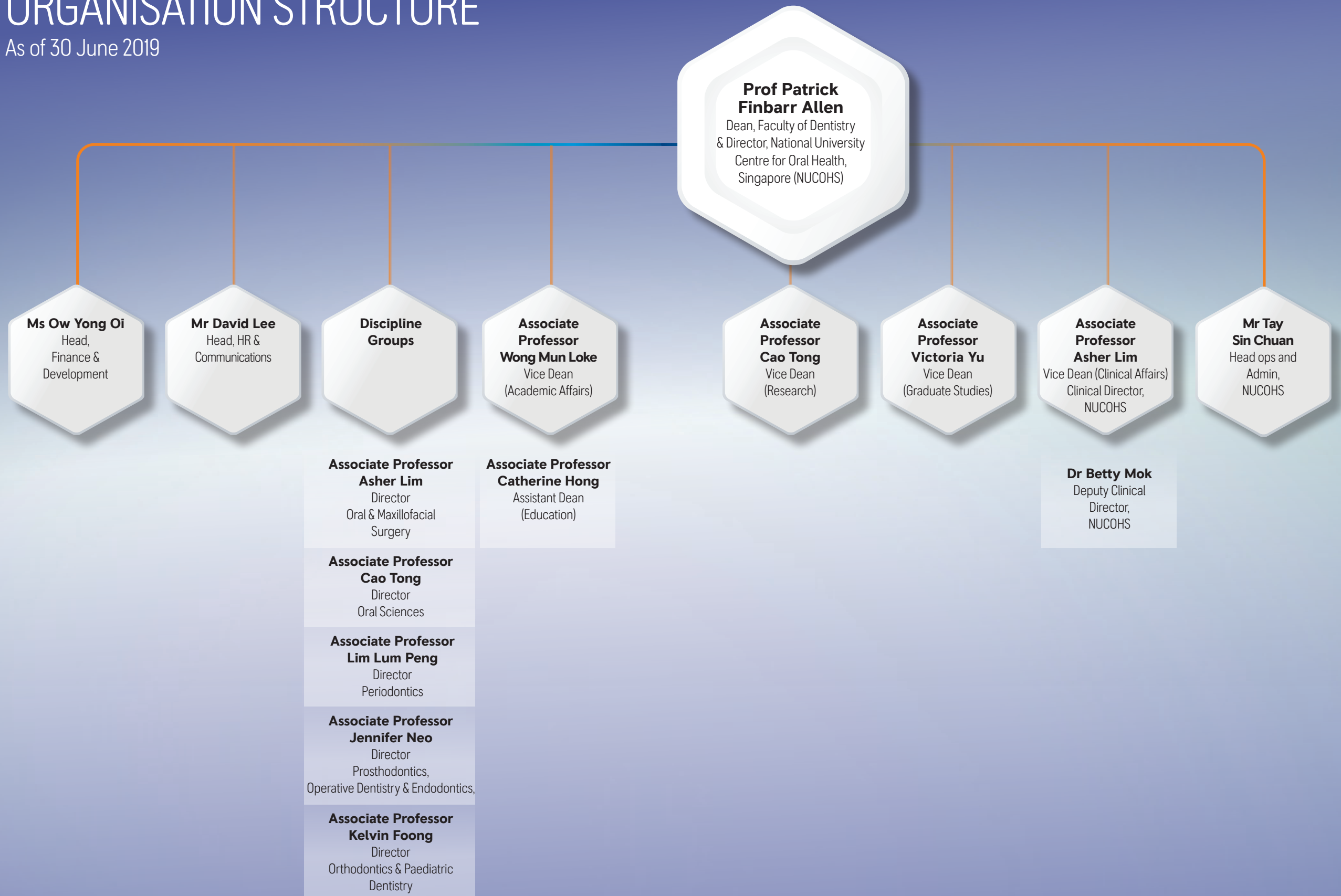
On behalf of all faculty members and staff, I would like to thank all of you for your continued support of the Faculty and invite you to read about our major clinical and academic achievements in 2018/2019.

Prof Patrick Finbarr Allen



ORGANISATION STRUCTURE

As of 30 June 2019



DEANERY

As of 30 June 2019

FACULTY BOARD MEMBERS

As of 30 June 2019



A/Prof Asher Lim
Vice Dean
(Clinical Affairs)

A/Prof Catherine Hong
Assistant Dean
(Education)

Prof Patrick Finbarr Allen
Dean

A/Prof Wong Mun Loke
Vice Dean
(Academic Affairs)

A/Prof Cao Tong
Vice Dean
(Research)

A/Prof Victoria Yu
Vice Dean
(Graduate Studies)



Prof Patrick
Finbarr Allen



A/Prof
Kelvin Foong



A/Prof
Asher Lim



A/Prof Wong
Mun Loke



A/Prof
Cao Tong



A/Prof
Catherine Hong



A/Prof
Jennifer Neo



A/Prof
Victoria Yu



A/Prof
Lim Lum Peng

HIGHLIGHTS OF THE YEAR

Official Opening of the National University Centre for Oral Health, Singapore



On 5 July 2019, the Faculty celebrated one of its latest milestones with the opening of the National University Centre for Oral Health, Singapore (NUCOHS) by Minister for Health, Mr Gan Kim Yong.

The 11-storey building serves as Singapore's new National Dental Specialty Centre, synergising clinical services, education and research facilities under one roof. The new facilities within the Centre allow the Faculty to synergise and optimise resources to bring about better services, academic and research.

Students now enjoy a more personalised learning curricula through the innovative use of educational technology to complement conventional methods of training and education. Some examples of these newer teaching methods include the use of eye tracker devices to understand the way students review and assess radiographs. With such devices, the students can be more effectively trained to read and interpret radiographs. Virtual learning environment and haptic technology are also being used to train students in the delivery of local anaesthesia, and in carrying out dental extractions and operative dental procedures.

In addition, plans are also in the works to broaden the clinical exposure of students, where they will have the opportunity to be posted to clinical settings in the community to learn more about the hands-on practice of primary care dentistry first hand.



Furthermore, with the newly improved facilities, the Faculty is able to conduct impactful multi-disciplinary research in oral healthcare and population health such as translational research in oral-systemic links, regenerative biology and tissue engineering. Some of the Faculty's multi-disciplinary research includes ongoing work between the researchers from the NUCOHS, NUH, NUS Yong Loo Lin School Medicine (NUS Medicine) and NUS Saw Swee Hock School of Public Health (NUS SSHSPH) to better understand the relationship between diabetes and periodontal (gum) disease in the population. The Faculty aims to help spearhead research and work closely with the primary care to bring specialist oral care to the community.

To meet Singapore's increasing oral healthcare needs, NUCOHS has the capacity to provide basic and specialised dental health services to nearly 500 patients per day with 262 dental chairs. The 60% increase in capacity will allow provision of better and more accessible care. In addition, the Centre also serves as a multidisciplinary specialist care centre for geriatric patients as well as those with special needs and complex conditions.

HIGHLIGHTS OF THE YEAR

Faculty of Dentistry 90th Anniversary Gala Dinner



FROM LEFT:
Professor Chew Chor Lin, Professor John Eu-Li Wong, Professor Tan Eng Chye,
Mr Ong Ye Kung, Professor Patrick Finbarr Allen and Dr Loh Hong Sai

On 31st August 2019, the National University of Singapore Faculty of Dentistry celebrated its capstone event for the year with its 90th Anniversary Gala Dinner.

Held at Suntec Convention Center, over 470 alumni, faculty, students and supporters came together to celebrate the Faculty's journey since it began as a Department of Dentistry within the King Edward VII College of Medicine in 1929. Dean of the Faculty of Dentistry, Professor Patrick Finbarr Allen delivered the opening welcome address, thanking guests for their contributions and continued support of the faculty. Among the guests were the Minister for Education, Mr. Ong Ye Kung, Chief Executive of the National University Health System Professor John Eu-Li Wong, NUS President, Professor Tan Eng Chye.

Guests at the dinner were treated to a performance by the Faculty's most recent intake of first-year students who had clinched the coveted NUSSU Rag & Flag 2019 Gold Award. Performing their award-winning dance, the students amazed the crowd with their energy and tight choreography.

As part of the event's celebrations, awards recognising excellence and contribution by students, faculty and alumni were presented. Postgraduate Awards were presented to residents who had displayed excellence in their respective field of study, while Faculty Teaching Excellence Awards were presented to recognize the contributions of Faculty members who have contributed significantly to the education and training of the next generation of oral healthcare professionals.

In addition, a special Senior Alumni Award was presented to senior alumni, Dr Lim Kheng Ann, Adjunct Associate Professor Lee Woon Oi Teresa, Dr Chan-Liok Yew Ai and Dr Yip Wing Kong who had served the Faculty for more than 15 years during its early years. Minister for Education, Mr. Ong presented the awards to the alumni award winners who were present at the dinner.



Professor Patrick Finbarr Allen presenting a token of appreciation to Mr Ong



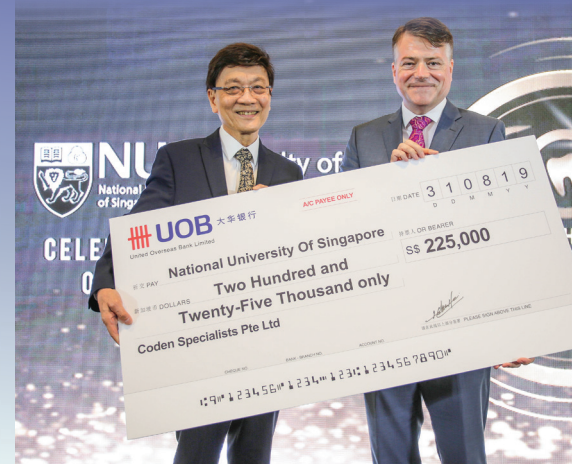
Dr Keng Siong Beng being awarded the NUS Honorary Fellowship



Adjunct Associate Professor Lee Woon Oi Teresa being presented the Faculty of Dentistry's Senior Alumni Award



Dr Yip Wing Kong being presented the Faculty of Dentistry's Senior Alumni Award



Dr Ho Kee Hai, an Alumni and partner of Coden Specialists Pte Ltd, presenting the cheque to Prof Patrick Finbarr Allen



Among the guests were the Minister for Education, Mr Ong Ye Kung, Chief Executive of the National University Health System Professor John Eu-Li Wong, NUS President, Professor Tan Eng Chye



Professor Chew Chor Lin awarded the NUS Emeritus Professorship



Guests enjoying themselves at the Dinner



Minister for Education, Mr Ong giving his address

The Faculty was also proud to recognise two of the Faculty's senior staff members, Professor Chew Chong Lin and Dr Keng Siong Beng for being awarded the Emeritus Professorship and Honorary Fellowship respectively. These awards recognise the contributions of faculty who have contributed immensely to the University and its community.

To round off the night, a cake-cutting ceremony to commemorate the anniversary of the Faculty was held, with distinguished guests and past deans coming on stage.

The event ended on a high note with a cheque presentation by Coden Specialists, a multi-disciplinary dental speciality centre, who had generously donated \$225,000 to the Faculty. The gift will be used to establish an endowed scholarship to a student pursuing their final year in the Bachelor of Dental Surgery course and a prize for the Most Distinguished Final Year Student in the Bachelor of Dental Surgery course. The Singapore Dental Association also gifted a generous donation of \$90,000 to commemorate the latest milestone of the Faculty.

Graduate Diploma in Geriatric Dentistry



EDUCATION



The Faculty introduced a new Graduate Diploma in Geriatric Dentistry in AY2019/2020. This 2-year part-time programme offers dental surgeons further training to deliver evidence-informed care to older adult patients. The curriculum is designed to provide participants with exposure and experience in managing the oral health needs of a wide range of older adults who may be functionally independent, frail or dependent. Apart from training in the senior-centric facilities in NUCOHS, the participants also have the opportunity to manage older adults in residential care facilities such as nursing homes. Participants of the programme broaden their appreciation of geriatric health issues through their engagement in a public health module organised by the Saw Swee Hock School of Public Health. Professor Patrick Finbarr Allen is the Programme Director. This year, the Programme welcomed its first two students - Dr Gabriel Lee and Dr Natasha Poon. Dr Gabriel Lee shares his experiences about the programme.



Geriatric Dentistry Diploma

Interview with Dr Gabriel Lee.

Q1: Why did you apply for the program in the first place?

An interest in the care for the frail elderly - and those facing obstacles to receiving such care - started after shadowing a volunteer dentist at a nursing home while I was still serving my National Service. The interest lingered while going through dental school, growing during my undergraduate clinical years, and maturing significantly after graduation. Volunteering with mobile teams at several nursing homes and community oral health screenings helped me understand the needs of this population and the obstacles they faced; working in primary care at the polyclinics and later in the Geriatric and Special Care Dentistry Clinic in NDCS helped me appreciate the care we are able to provide for them. These experiences challenged me to consider pursuing further training to hone my knowledge and skills to care for this group of patients. Hence, without much hesitation, I decided to apply when the word of this program was out.



Q2: What do you hope to learn in the next 2 years?

As is well known, the elderly dental patient presents many other accompanying issues. Complex medical histories and polypharmacy are constant problems affecting our clinical approach. In addition to better understanding these, I hope to be able to appreciate an overview of the public health system and policies that are targeted towards the elderly, their social support structures, and recognize the role a geriatric dentist can play in the patient's overall care. I also hope to build my communication skills and conversational dialects with both the patients and their caregivers.

Q3: How do you think it will help in your future work?

It is a fast-approaching reality that my generation of dentists will soon face a super-aged population. Through this program, I hope to be able to prepare myself, as well as encourage fellow colleagues, to be ready to provide the appropriate care for the needs of this population.

STUDENT NUMBER FOR...

232 Bachelor of Dental Surgery



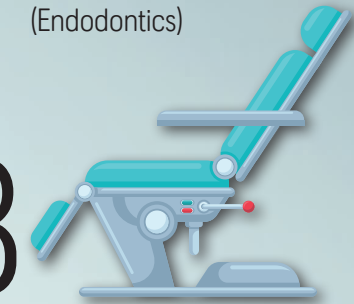
10 Master of Dental Surgery (Endodontics)



5 Master of Science



8 Master of Dental Surgery (Periodontology)



9 Master of Dental Surgery (Prosthodontics)



7 Master of Dental Surgery (Orthodontics)



10 Master of Dental Surgery (Oral & Maxillofacial Surgery)



7 Master of Dental Surgery (Paediatric Dentistry)

16 Doctor of Philosophy

11 Graduate Diploma in Dental Implantology



TOTAL STUDENT NUMBERS 315

Final Year Student Highlights

GROUP A

1. What is the fondest memory you have of dental school?

We had quite a few fond memories! The first of the many would be the very first time we stepped into the SimLab. We still remember how we were super wow-wed and excited to get our hands started on drilling heart-shape preps on the ivory teeth. It was also very cute of us back in Year 1 where we all wore school uniforms on Children's Day. Another fond memory would definitely be the moment we got Gold for Rag. We gathered in a circle as we waited for the results and the moment the results were announced we were ecstatically happy, and many of us even broke into tears.



FROM LEFT TO RIGHT
 Front Row:
 Charlene Yap Si Min,
 Ang Hui Jan,
 Charmaine Kho Ling Wei,
 Benn Chua Chi Jin,
 Cao Shuo
 Back Row: Chan Yi An,
 Ashleigh Toh Hsu Wen,
 Almond Ng Yi Qi

2. What is your greatest takeaway from dental school?

Our greatest takeaway is definitely the friends we met in dental school! Dental school is so tough that it would be impossible to tide through the hard times without the supportive friends we have around us. A lesson we have learnt is to never ever give up no matter how hard it gets.

3. What are some of the things you enjoyed doing as a cluster?

As a cluster, we often watch demonstrations together, and so, gathering around the lab technicians to learn was really something we enjoyed, especially the first few times where everything seemed so new and cool and we were so eager to learn everything that was hands-on and different from the routine studying. Nowadays, what we enjoy is to sit in the lab and chit-chat or talk about our day as we do lab work, or listen to music as a cluster.

Final Year Student Highlights

GROUP B

1. What is the fondest memory you have of dental school?

Our fondest memories are made through all the time that we spent together, whether that is idle chatter 5pm to 7pm every day while doing lab work, trying to get through tutorials with Swee Heng breaks in between, running around the clinics desperately trying to end on time, helping each other out in the clinics, or DY being called the thorn among the roses for being the only male in our group. These are a few of the moments we keep as our fondest memories.

2. What is your greatest takeaway from dental school?

Relationships that had been forged are the best takeaway from dental school. Some have found everlasting friendships; others have found eternal love. Whichever the case, whatever that may come our way, we know we will B there for each other.



FROM LEFT TO RIGHT
 Front Row:
 Eio Jing Yi,
 Cheryl Lee Wei Lin,
 Chong Jie Ping,
 Eunice Ho Yio Wei,
 Clarice Yeoh Hwee Li
 Back Row:
 Chow Dian Yi,
 Chua Si Hui,
 Fu Xin Yi,
 Eunice Foo Yi Xin,
 Chua Hui Qing

3. What are some of the things you enjoyed doing as a cluster?

It is honestly the little things that we thoroughly enjoyed. The heart-to-soul conversations that we have in the lab, singing to ChillVibes music while doing lab work made the dull days brighter, and allowed us to get to know each other on a much deeper level. After spending so much time together, we learn about each other's little quirks and struggles, and we learn that we were not facing these struggles alone.

Final Year Student Highlights

GROUP C

1. What is the fondest memory you have of dental school?

When we were in Year 1 and Year 2, things were a lot simpler and less hectic. RAG and FLAG was also one of the more memorable events as we got to work together as a class and bonded over it. To emerge as champions also united our class in a sense as the pride we had was something so indescribable and precious!



FROM LEFT TO RIGHT:
Lau Yan Yee,
Koh Shu Fen Pamela,
Kassandra Ong Ying Suen,
Joyce Pang Jia Hui,
Hannah Tan Xin Hui,
Jamelynn Wong Wen Teen,
Keefe Robin Sim

2. What is your greatest takeaway from dental school?

Friendships! Bonds forged between lab partners, friends, cluster mates. It's like we are graduating from dental school with 53 new friends! In random occurrences like the corridor, clinics waiting to draw trays, doing lab work in the plaste room or fumehood, you can strike a conversation with practically anyone! It is a very enjoyable community to work in.

3. What are some of the things you enjoyed doing as a cluster?

Definitely talking to each other while doing lab work, catching up on each other's stories be it relationships or clinics or hobbies or even favourite assessors, time in lab is something actually quite enjoyable especially when everyone stays back and the bustling will start!! It is also very heart-warming to know that despite the hustle and rigour of dental school that we have each other who understands our woes and can lend each other a helping hand.

Final Year Student Highlights

GROUP D

1. What is the fondest memory you have of dental school?

The fondest memories that we share of dental school are largely the self-satisfaction we get rewarded with from the smiles we manage to put on our patients' faces and each treatment milestone we complete. From uneventful denture issues to riding through the suspense of an obturation radiograph, the anticipation and excitement never gets old. The best part? Being unable to find the tooth-coloured restoration on our patients' teeth after we are done with the restorative work because it's too good!



FROM LEFT TO RIGHT
Front Row:
Ng Shi Li,
Eugene Loh Jin Wei,
Keane Ng, Jeffrey Lim,
Ong Ding Sen
Back Row:
Ng Wan Ting,
Nadya Leonora Neo Rui En,
Natalie Lam Kar Poh,
Sherianne Lew Li Minn,
Karen Leong Jia Mian

2. What is your greatest takeaway from dental school?

School can be stressful at times, but your reaction to the situation can change things for the better. While dental school is tough, we always remind ourselves to appreciate and be grateful for being blessed with the opportunity to go through this programme. The humility and respect we gained for patients who come for numerous appointments, teaching staff who impart their wealth of knowledge and rescue us when we are in need makes all the stress and toughness worth it!

3. What are some of the things you enjoyed doing as a cluster?

Our cluster's laboratory tables are all gathered at one end of the laboratory, so we have our little corner to ourselves. At our little corner, we get to talk about the latest social trends while scurrying through our lab work. Other times, we get our spirits lifted from listening to the music that our friends are playing in the background. Most of all, whenever I find my own table to be in a mess, I can look across and behind me, and immediately feel comforted knowing that mine is not that bad!

Final Year Student Highlights

GROUP E

1. What is the fondest memory you have of dental school?

There was a period at the end of Year 2 when some of our group members were struggling with completing our pre-clinical Endo requirements. It was a high-stress, fast-paced last 45 minutes of lab for our pre-clinical selves. But everyone banded together, almost like a factory chain, weaving in and out of various stages of simulated orthograde treatment, like a well-oiled endodontic machine. It was really nice seeing everyone helping one another out despite the shortage of time. Eventually, in MasterChef-like fashion, our entire group completed the module with 10 seconds to spare. In retrospect, we really knew how to make a mountain out of something as trivial as a mounted tooth requiring RCT. But panic becomes fondest in hindsight.

2. What is your greatest takeaway from dental school?

Being able to see ourselves grow, beginning our journey from unconfident, incompetent students to the aspiring clinicians we are now. We feel that our greatest takeaways come in the form of learning every day. The cumulative result of daily clinical experience, and really immersing ourselves in our craft is a real sight to behold. Learning becomes important not merely for the sake of head knowledge but also for the vast number of patients we'll be treating in the future. Treatment planning, patient communication, autonomy in practice are to name some of the many new skills we've picked up along the way, thanks to the kind contributions from our full-time and part-time teaching staff, who voluntarily give back to their profession. In hindsight, it's a privilege to observe ourselves coming so far, and to anticipate how much further we can go.

3. What are some of the things you enjoyed doing as a cluster?

Various antics. OS demos were fun, getting to inject and inflict pain on each other. It was also more conducive to learning when we could use one another as demonstrations like when we would wrap each other up in green cloth. Watching our classmate (Ben Ong) falling asleep during demos while standing was also one pretty impressive sight to behold. The many instances of being clueless together was also far more comforting than having to answer assessors' questions alone. And also free periods and chill lab days where we'd just chill, talk and listen to music while doing lab work.



FROM LEFT TO RIGHT
Front Row:
Shianne Goh, Sim Ying
Sarah, Rachel Ng Jing Yi,
Monisha Sakthivel
Back Row:
Seet Ren Hao,
Phay Shan Chuen Nicholas,
Ong Xingjun Brandon, Ong
Song Ian Benedict

Final Year Student Highlights

GROUP F

1. What is the fondest memory you have of dental school?

Dental school has been far from easy. Going through everything together, and knowing that someone has been through the same journey with you brings lots of comfort. When you have days that didn't go your way, someone will be there to listen to your troubles and be able to relate to you.

2. What is your greatest takeaway from dental school?

Definitely, the education we get here, and the privilege of working on real patients to practise and hone our skills are just some of the many things in dental school we are grateful for. However, the greatest takeaway is not just the skills we learn from school. It is definitely the friends we made, and the sense of camaraderie between us.

3. What are some of the things you enjoyed doing as a cluster?

Doing lab work together, haha! Sounds boring? Well, it's fun when we are all in the lab together chatting about anything under the sky. Even when you put your earplugs on, you can still eavesdrop on others' conversations and just join in when it's funny!



FROM LEFT TO RIGHT
Row 1:
Tan Pey Shiuan,
Soo Peng Ru,
Wong Jun Ming,
Tan Yingbin Benjamin
Row 2:
Yan Xiaomeng,
Watt Sook May,
Yong Si Ya,
Teo Rui En Nicole,
Tay Zhi Ya Esther,
Yao Zhi Qi Deborah

Post Graduate Student Highlights

If you could turn back time to the first day of residency, what would you say to yourself?

Oral Maxillofacial Surgery



Oral Maxillofacial Surgery: Yong Chee Weng (first from left) and Tan Wei Min Natalie (fifth from left)



Lim Si Yu (third from left) and Sha Yang (fourth from left)

Residency is the just the first step of this long journey. Try to learn from every experience and take dissapointment and failure in your stride. There will surely be trying times and even doubt along the way; in moments like these you need to keep the bigger picture in mind and remember why you're doing this. While you are striving to learn as much as you can, you must remember that the development of the entire cohort is more important than your individual achievements. There will be many situations whereby you feel that the work you are doing is not contributing to your growth. These are the times that you must remember that patient care, the development of the institute, or even the fraternity is equally important. More than anything, work hard! But also remember, it is equally important to rest sufficiently!

Post Graduate Student Highlights

Prosthodontics



Prosthodontics: Leo Song Jie (third from right)

Back as an undergraduate looking into the PG lab, seeing the residents having to juggle between readings, laboratory work schedule and clinical work seemed beyond superhuman to me. Thus, when I first entered, I was definitely more afraid than anything. Will I be able to cope with the load? Will I be able to deliver at a satisfactory level? Will I be able to make it through the 3 years while keeping my sanity? These were just a few of the many questions that occupied my head constantly.

However, as each day went by, what seemed impossible somehow became the new normal, and whatever new boundaries that were previously established were again tested. Challenges and challenges came day after day, and all were slowly, but eventually, overcome (also with great help from juniors, peers, seniors and teachers). Till this day, these boundaries are still being tested, and I'm invigorated to know that the end is nowhere in sight yet.



Lim Songping Nicholas, Tan Yew Joshua, Leo Song Jie, Priscilla Ang Mei Wei, Maria Binte Rahmat, Janice Tan Zhi Hui, Kong Rui Ling

So, if I had the chance to turn back time, and meet myself, I'll definitely tell myself to just take a deep breath, relax, and JUST DO IT. Because at the end of the day, "Limits like fears are often just an illusion" ~ Michael Jordan



Paediatric Dentistry



Paediatrics: Tan Bing Liang, Jovena Chan Xin Yi, Doris Chua Ruyi

Entering residency after having worked a few years takes some getting used to. It takes you away from earning big bucks outside, and makes you pay school fees to see patients. And yet, the returns from a residency in paediatric dentistry are immeasurable - the joy when a previously uncooperative brat runs into the dental clinic and gives you a hug hello; the satisfaction when you realise what you have been preaching to parents of child patients works; the beautiful strip crown you fabricate that restores a badly broken central incisor.

So take a chance, and jump in! Continuously keep an open, and active mind - grab any opportunities that come your way. Who knows where this journey will take you? Follow your heart, and make it your decision. Great friends await you along the way! Tough times won't last for too long if you keep your friends close, and have plenty of good food with them while you're at it.

Post Graduate Student Highlights



Endodontics: Chew Huimin, Khoo Shi-Tien, Tan Heng Seh Gabriel

Endodontics

This is an exciting time for you! These formative years will prepare you for your career ahead. You are going to learn so much and make great friends. You are going to be challenged to go out of your comfort zone and it may be daunting but you will gain immensely. Do not be afraid to make mistakes in this safe environment for it will help you grow into a better clinician. Help is just around the corner with people who care and support you. The friends that you make here will be your friends for life and you will not be alone on this path. The road ahead is going to be tough but the journey will be very rewarding. There will be times when you will want to give up but focus on the light at the end of the tunnel. It will be worth it.

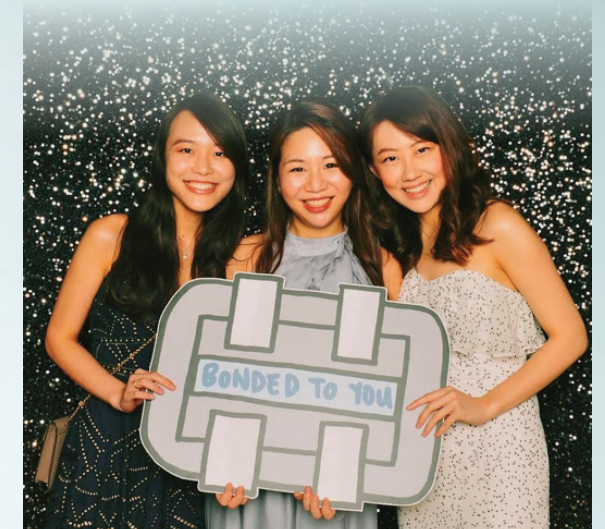
Post Graduate Student Highlights

Periodontics

The greatest things you'll learn - "Market hope, sell trust", that there are ten billion ways of tying a suture, that lunch is often optional, that figures are likely to grow horizontally, and that Murphy's Law is bound to happen (whether in a good or bad way). You'll find that somehow things always turn out alright in the end, and that having the nicest teachers and classmates/seniors goes a very long way. You're in for a roller coaster three years!



Periodontics: Anwar Erica Jade, Siow Shu Fen Dawn, Lim Yi Rong Ivan



Orthodontics: Low Yuxuan, Lee Ker Jia Cheryl, Lee Yen Hua Laura

Orthodontics

Even though three years of post-graduate studies would seem to be an infinitely long time, it would actually fly pass in a blink of an eye. The first day (or in fact, the entire first year) would be a true challenge-- late nights and weekends polishing model after model, struggling with wires that would not be flattened, attempting to grasp a whole new realm of knowledge and trying our best not to get chided for being too lousy at each treatment planning session. It would be a tough year. However, things do look up! Time spent working over seminars and lab work would be accompanied by classmates turned friends; clinical sessions and conferences are valuable learning opportunities, and best of all, we have awesome supervisors who are both brilliant and fun to work with. Be very thankful for the mentorship and friends that come along with this program and enjoy the journey!

Calendar of Events

3rd Edmund Tay Mai Hiong (ETMH) Distinguished Speaker Programme

“Sleep Medicine - The Role of the Oral Healthcare Professional: Making a Difference”

The 3rd ETMH Symposium was successfully conducted at the National University Centre for Oral Health, Singapore (NUCOHS) on 31 March 2019. Dr Dennis Bailey, who helped to establish the popular Sleep Medicine Mini-Residency at the UCLA School of Dentistry, was the distinguished speaker. He shared his wealth of experience on the role of the oral healthcare professional making a difference in sleep medicine and emphasised sleep medicine being more than oral appliance therapy, but also important sleep medicine principles that can be incorporated into daily dental practices.

This was followed by an insightful sharing session by A/P Patrick Tseng (Senior Consultant, NUCOHS), Dr Leow Leong Chai (Director, Sleep Disorder Unit, SGH), Dr Bailey, Dr David Tay and Professor Patrick Finbarr Allen in the Panel Discussion.

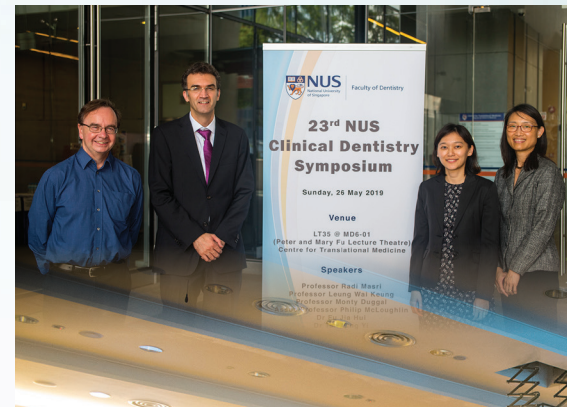
Dr Dennis Bailey also spoke on Sleep Disorder and Orofacial Pain: A Bi-directional Relationship at NUCOHS Auditorium on the evening of 1 April 2019.



Calendar of Events

23rd NUS Clinical Dentistry Symposium

The 23rd NUS Clinical Dentistry Symposium was held on 26 May 2019, with a line-up of insightful lectures. The symposium featured eminent overseas guest speakers with Dr Radi Masri from the University of Maryland School of Dentistry and School of Medicine and Professor Leung Wai Keung from the University of Hong Kong, who were joined by Faculty members such as Associate Professor Philip McLoughlin, Professor Monty Duggal, Dr Fu Jia Hui and Dr Tan Ming Yi. The lectures touched on various topics, such as Ceramics in the digital age, Mouth Cancer, Integrating the New Periodontal Classification into Daily Practice, Making a good impression, Management of caries in children, as well as Periodontology healthcare from ivory tower to the frontline.



Calendar of Events

NUS Postgraduate Studies Open House 2018

The inaugural FOD postgraduate recruitment drive was held on 13 October 2018 to showcase the Faculty's Master of Dental Surgery (MDS), Doctor of Philosophy (PhD) and Master of Science (MSc) programmes. Prof Mandeep Duggal, Professor of Paediatric Dentistry, presented details of the PhD, MSc and MDS in clinical, population and translational/basic research. Dr Jacob Chew, a final year Periodontics Resident at the Faculty, shared his experience in research, presentations at conferences such as the International Association for Dental Research (IADR) Conference and his experience as a Resident in the Faculty.

Programme Directors and other residents from various disciplines also engaged the participants in roundtable discussions, where the participants clarified their doubts and gained insights to the programmes. Attended by more than 40 participants, the event wrapped up with a tour of the training facilities at the newly completed National University Centre for Oral Health, Singapore (NUCOHS).



Visting Professors



Professor Niklaus P. Lang

Professor Emeritus, University of Berne, Switzerland

Professor Niklaus Lang was appointed Visiting Professor from 19 February to 22 March 2019. He was involved in working with our Post Graduate students in Periodontology.



Associate Professor Julie Yip

College of Dentistry, New York University

Associate Professor Julie Yip was Visiting Associate Professor from 11 March to 31 May 2019. She was involved in undergraduate clinical supervision and the didactic teaching of Periodontology.



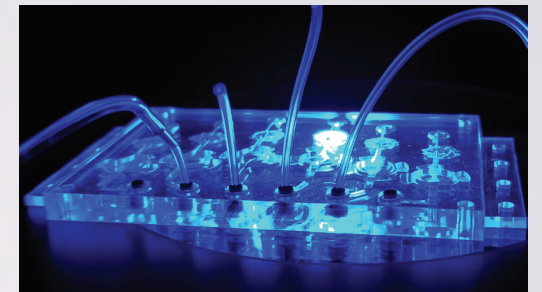
Professor Lone Schou

Professor Lone Schou re-appointed as Visiting Professor from 1 December 2018 to 28 March 2019. Her expertise is in Dental Public Health and Behavioural Science. She was involved in the Undergraduate teaching in these areas as well as engaged in research consultation in population oral health.

2018 IQ Consortium and AAALAC International Global 3Rs Award: Interview with Dr Sriram

Q1: Please tell us a little about your research leading to this award.

In collaboration with scientists from A*STAR's Singapore Institute of Manufacturing Technology (SIMTech), we have successfully reconstructed human skin on a credit-card sized device that could help to reduce or eventually replace animal testing in the pharmaceutical, toxicological, and cosmetic industries. For the significant innovation in developing this "skin-on-a-chip" system, the team won the Global 3Rs Award by AAALAC International and IQ Consortium, for advancing the Refinement, Replacement or Reduction of animal use in scientific research.



The skin-on-a-chip device is microfluidic device that allows use of small quantities of fluids and biological material to grow skin tissues in the lab. Additionally, the device enables flow of culture media to supply nutrients and drain the metabolic wastes similar to the blood vessels in the human body. This has enabled us to mimic the microenvironment of human skin and reconstruct the complex architecture and function of human skin as close as possible. This further allows the testing of topical creams or skin-care products for absorption, safety, and permeability. Since the device is made of hard plastic, it is amenable to cost-efficient mass production, enabling this screening solution to be easily scaled up to industrially-relevant capacities. The study was published in peer-reviewed journal *Materials Today* in May 2018 under the title of "Full-thickness human skin-on-chip with enhanced epidermal morphogenesis and barrier function".

Q2: What was your reaction when you first heard about being awarded this prestigious award?

As a team, we were extremely delighted and honoured to be one of the awardees from the pacific-rim region. The work is the culmination of over 3 years of research work including many sleepless nights and weekends in the lab. Therefore, it was an extremely sweet reward, which also gave us the confidence and motivation to take the work forward and explore academic and industrial collaborations.

Q3: Any future plans after this win?

We are currently improvising the device for more user-friendly design that can help commercialization. Secondly, we are also exploring the potential to culture oral mucosal cells within the device to reconstruct 'oral mucosa-on-a-chip' system that can be used to test dental and oral-care products for safety, biocompatibility and permeation studies in a close to human microenvironment.



Research Collaborations

NAME OF STAFF	START DATE	END DATE	COLLABORATIONS WITH INSTITUTIONS
A/P Cao Tong	Jul 2018	June 2019	Evonik Creavis GmbH
Dr Fu Jia Hui	Mar 2019	Feb 2021	National University Hospital (Singapore) Pte Ltd
Dr Fu Jia Hui	Jun 2019	Jun 2019	National University Hospital (NUH)
Dr Hu Shijia	Feb 2019	Mar 2021	National University Hospital (Singapore) Pte Ltd
Dr Raymond Wong	Feb 2019	May 2019	Medairum Pte Ltd
Dr Sriram Gopu	Jan 2018	Feb 2020	StemCell Technologies Canada Inc.
Dr Sriram Gopu	Aug 2018	May 2022	Singapore Institute of Manufacturing Technology, A*STAR Research Entities
Dr Sriram Gopu	Aug 2018	Dec 2020	National University Hospital (Singapore) Pte Ltd
A/P Victoria Yu	Apr 2019	Apr 2021	National Dental Centre of Singapore Pte Ltd & National University Hospital (Singapore) Pte Ltd

Achievement

DATE	ACHIEVEMENT
Oct 2018	<p>A/P Vinicius Rosa's Papers Ranked in Top-cited Papers in Regenerative Endodontics</p> <p>In a recent study entitled "Top-cited Articles in Regenerative Endodontics: A Bibliometric Analysis", two of A/P Rosa's publication papers were ranked in 26th and 98th places in Journal of Endodontics 100 most cited paper in the area of Regenerative Endodontics.</p> <p>26th place: Dental pulp tissue engineering in full-length human root canals</p> <p>98th place : Regenerative endodontics in light of the stem cell paradigm</p>
25 - 28 July 2018	<p>A/P Tan Kai Soo and her research team's work on "Role of Oral Microbiota in the Severity of Chemotherapy-Induced Oral Mucositis" received a special mention via a press release made by IADR during the conference. Full abstract and list of authors of the study are accessible through:</p> <p>https://www.iadr.org/IADR/About-Us/News/ArtMID/132983/ArticleID/539/Role-of-Oral-Microbiota-in-the-Severity-of-Chemotherapy-Induced-Oral-Mucositis</p>

Awards

RECIPIENT	NAME OF AWARD	PROJECT TITLE	DATE OF AWARD	REMARKS
Dr Kassapa Jayo Bandara Ellepola	IADR Colgate Research in Prevention Travel Award	OMICS-Analysis Unravelling Synergistic Carbohydrate Metabolism in Streptococcus Mutans-Candida Albicans Mixed-Species Biofilms	25 - 28 July 2018	96 th General Session IADR, London Supervisor: Dr Jaya Seneviratne
Dr Jacob Chew Ren Jie	IADR Lion Dental Research Award	MSC Exosomes Modulate PDL Cell Behaviour: Implications for Periodontal Regeneration	25 - 28 July 2018	96 th General Session IADR, London Supervisor: Dr Toh Wei Seong
Dr Zhang Shipin	1 st prize in Senior Group of Bernard G.Sarnat Award in Craniofacial Biology	MSC Exosomes Alleviate Pathological Joint Degeneration in Rat TMJ Osteoarthritis	25 - 28 July 2018	96 th General Session IADR, London Supervisor: Dr Toh Wei Seong
Dr Klara Koh Pei Qin	Winner of IADR-SEA Unilever Hatton Divisional Award Junior Category	Effect of Enamel Hindrance of Light Over Curing Depth of Bulk-fill and Conventional Composites	11 - 14 Sep 2018	IADR-SEA & SEAAD Conference Danang, Vietnam Group Members: - Alexander Mark Lee Lin Kai - Chung Changsun - Koh Pei Qin Klara - Ng Shi Qi Celeste Supervisor: A/P Vinicius Rosa
Dr Lai Su-Hsyen Cheryl	Winner of the Best Oral Presentation	Bridging Cognitive Skills Gap in Radiographic Interpretation of Impacted Maxillary Canines with 3D Printed Models	11 - 14 Sep 2018	IADR-SEA & SEAAD Conference Danang, Vietnam Group Members: - Lai Su-Hsyen Cheryl - Loh Jing Wen Therese - Ho Xin Hui Clarissa Supervisor: A/P Kelvin Foong Co-Supervisor: A/P Yen Ching-Chiuan (Division of Industrial Design) & Mr Tok Wee Wah
Dr Chen Wei Ting	2 nd Place in the 2018 Dentsply Sirona Student Competition for Advancing Dental Research and its Application (SCADA)	Novel Probiotic Based Antifungal Agent for Oral Candidiasis	11 - 14 Sep 2018	IADR-SEA & SEAAD Conference Danang, Vietnam Group Members: 1) Koh Su En Abigail 2) Tan Jia Ying 3) Quah Bernadette 4) Chen Wei Ting Supervisor: Dr Jaya Seneviratne Co-Supervisor: Dr Nityasri Venkiteswaran
Dr Sriram Gopu	Global 3Rs Awards	Full-thickness Human Skin-On-Chip With Enhanced Epidermal Morphogenesis and Barrier Function	31 Oct 2018	Refer to page 33
Dr Cao Jingyue Dr Charmaine Peh Huimin Dr Sia Si Qin, Charlene	Outstanding Undergraduate Researcher (OUR) Prize 2018/19 - Group	Ideal Timing for Implant Placement: A Systematic Review	20 Jun 2019	Supervisor: Dr Fu Jia Hui Co-Supervisor: Dr Julie Yip

List of Successful Grants (Apr 2018 - Mar 2019)

S/N	PI	CO-PI/CO-I	COLLABORATOR(S)	PROJECT	GRANT TYPE	TOTAL PROJECT VALUE (S\$)
EXTERNAL GRANT						
1	A/P Yeo Jin Fei	Dr Wong Kee Hau (Ace Biomed Pte Ltd), Dr Tan Wee Yang (Ace Biomed Pte Ltd)	NA	3D Printing to Produce Superior 1-piece Dental Implant	National Additive Manufacturing Innovation Cluster (NAMIC)- NRF	S\$ 189,120.00
2	A/P Cao Tong	Dr Sriram Gopu - (Co-PI)	NA	Novel 3D Bioprinting of Vascularized Tissue Equivalents for Drug Testing Applications	National Additive Manufacturing Innovation Cluster (NAMIC)- NRF	S\$ 249,600.00
3	Prof Patrick Finbarr Allen	Prof Teo Yik Ying (SSH SPH) (Co-I) Prof Chia Kee Seng (SSH SPH) (Co-I) A/P Wong Mun Loke (Co-I) Dr Soh Shean Han (Co-I) Dr Lee Yun Hui (Co-I) Ms Sim Yu Fan (Co-I) Clin A/P Poon Choy Yoke (NDCS) (Co-PI) Clin A/P Goh Bee Tin (NDCS) (Co-I) Dr Christina Sim (NDCS) (Co-I) Prof Julian Thumboo (SingHealth HSR Centre) (Co-I) A/P Angelique Chan (Duke-NUS Health Services & Systems Research Programme) (Co-I) Dr Edwin Liu Wei Yang (NDCS) (Co-I) Asst Prof John P. Ansah (Duke-NUS Medical School) (Co-I)	NA	National Adult Oral Health Survey	Ministry of Health (MOH)	S\$ 1,403,252.00
4	Prof Lu Wen Feng - FOE	A/P Cao Tong (Co-I) Dr Gopu Sriram (Co-I)	NA	3D-Printed Conductive Polymeric Scaffolds and Cell-Laden Hydrogel Constructs for Neuronal Tissue Regeneration	A*Star (Advanced Manufacturing and Engineering AME IRG)	S\$ 736,800.00
5	A/P Cao Tong	Dr Sriram Gopu - (Co PI)	Evonik	Technical Comparison and Validation of the 3D in-Vitro Vascularized Skin Models	EVONIK	S\$ 86,760.00
6	Dr Raymond Wong	NA	(1) Dr Intekhab Islam (2) Dr John Loh (3) A/P Asher Lim	Design and Development of Dental Surgical Training Models	National Additive Manufacturing Innovation Cluster (NAMIC)- NRF	S\$ 17,996.36
7	Dr Fu Jia Hui	Dr Toh Wei Seong (Co-I)	Dr Lim Sai Kiang (A*Star IMB)	Role of Mesenchymal Stem Cell Exosomes in Periodontal Complex Regeneration	NMRC CS-IRG New Investigator Grant	S\$ 240,000.00
NUS GRANT						
1	Dr Sriram Gopu	A/P Tan Kai Soo (Co-I) Prof Lim Chwee Teck (BIGHEART) - (Co-I)	NA	Perio-Oral Microbiome Chip: Microphysiological Organ-on-a-Chip Based Model to Emulate Host-Oral Microbiome Cross Talk in Periodontal Disease	NUS Big Heart	S\$ 50,000.00
FACULTY GRANT						
1	Dr Hu Shijia	Dr Alex Soh Yu Sen, Division of Gastroenterology & Hepatology, NUH) - (Co-I)	NA	Tracking Pharyngeal and Gastroesophageal Reflux with an Intra-oral Ph Monitor: A Pilot Study	Sunstar Grant	S\$ 25,000.00
2	A/P Tan Kai Soo	Dr Sriram Gopu (Co-PI)	Dr Jacinta Lu	Biomimetic Organ-on-a-chip Device for Host-microbiome Interactions in Periodontal Disease and Diabetes	ARF-FRC	S\$ 50,000.00
3	A/P Victoria Yu	Dr Sarah Chua (Co-I)	(1) Dr Wendy Wang (2) Dr Betty Mok	A Randomised Clinical Trial to Test Efficacy of Selective Caries Removal (SCR) Versus Pulpotomy in Preventing Pulp Necrosis and Apical Periodontitis	ARF-FRC	S\$ 47,690.00

List of Successful Grants (Apr 2018 - Mar 2019)

S/N	PI	CO-PI/CO-I	COLLABORATORS	GRANT'S TITLE	GRANT TYPE	TOTAL PROJECT VALUE	
NUHS GRANTS							
1	A/P Tan Kai Soo	A/P Victoria Yu (Co-PI)	Dr Li Yongfeng (DxD Hub, ETPL A-Star), Dr Frank Fan (Global R&D Promega, USA)	Rapid Chair-side Detection of Root Canal Bacteria for Personalized Endodontic Treatment	NUHS-NHIC Joint MedTech	S\$ 100,000.00	
START UP GRANT							
1	Dr Sakaya Tada	Prof Patrick Finbarr Allen (Co-I)	A/P Wong Mun Loke	Determining Needs and Perceptions of Geriatric Oral Healthcare Among the Elderly and Their Caregivers in Intermediate and Long Term Care Facilities in Singapore	Start Up Grant	S\$ 249,905.00	
EDUCATION GRANTS							
1	Dr Lim Li Zhen	NA	NA	ORAD DDx: An Interactive Tool to Aid in Forming Differential Diagnoses in Oral Radiology	Proof of Concept Technology in Dental Education (TIDE)	S\$ 10,000.00	
2	Dr Lim Li Zhen	NA	NA	I-RADIATE (Intraoral RADiology Assessment & TEaching tool): An Interactive Platform for Novice Learners in Intra-oral Radiography	Proof of Concept Technology in Dental Education (TIDE)	S\$ 10,000.00	
3	A/P Stephen Hsu	NA	NA	Utilizing game-assisted multi-user online learning environment (GMOLE) to revitalize student literacy in Biostatistics	Proof of Concept Technology in Dental Education (TIDE)	S\$ 10,000.00	
4	Dr Intekhab Islam	A/P Yen Ching Chiu (Co-I) Dr Raymond Wong (Co-I) Ms Lee Jieying Mandi (Co-I) Mr Tok Wee Wah (Co-I) A/P Asher Lim Ah Tong (Co-I)	NA	A 3D Printed Anatomical Model to Complement The Teaching and Learning of Basic Intra Oral Suturing Skills	Proof of Concept Technology in Dental Education (TIDE)	S\$ 10,000.00	
5	Dr Hu Shijia	A/P Catherine Hong (Co-I) A/Prof Wong Mun Loke (Co-I) Dr Betty Mok (Co-I) Mr Tok Wee Wah (Co-I)	NA	Video Feedback: Enhancing Behaviour Management Teaching in Dental Students	Proof of Concept Technology in Dental Education (TIDE)	S\$ 10,000.00	
6	Dr Hu Shijia	NA	NA	Behavioural Management in Children	LIFT 2018	S\$ 25,000.00	
						Internal Grant FY 2018	S\$ 597,595.00
						External Grant FY 2018	S\$ 2,923,528.36

Publications (Jul 2018 - Jun 2019)

S/N	AUTHORS	SOURCE	TITLE
1	Ghouth N, Duggal MS , Kang J, Nazzal H	Journal of Endodontics	A Diagnostic Accuracy Study of Laser Doppler Flowmetry for the Assessment of Pulpal Status in Children's Permanent Incisor Teeth
2	Hu S , Meyer B, Duggal M	European Archives of Paediatric Dentistry	A silver renaissance in dentistry
3	Coulter J, Jakubovics NS, Preshaw PM , German MJ	Acta Biomater Odontol Scand	An in vitro model to assess effects of a desensitising agent on bacterial biofilm formation.
4	Ng E, Lim LP	Dentistry Journal	An overview of different interdental cleaning AIDS and their effectiveness
5	da Matad C, McKenna G, Anweigi L, Hayes M, Cronin M, Woods N, O'Mahony D, Allen PF	JOURNAL OF DENTISTRY	An RCT of atraumatic restorative treatment for older adults: 5 year results
6	Tan EE, Quah SY, Bergenholtz G, Rosa V , Yu VSH , Tan KS	Journal of Endodontics	Antibiotics Used in Regenerative Endodontics Modify Immune Response of Macrophages to Bacterial Infection
7	Tay KJ, Yap AU-J , Wong JCM, Tan KBC , Allen PF	JOURNAL OF ORAL REHABILITATION	Associations between symptoms of temporomandibular disorders, quality of life and psychological states in Asian Military Personnel
8	Chow AT, Quah SY, Bergenholtz G, Lim KC, Yu VSH , Tan KS	International Endodontic Journal	Bacterial species associated with persistent apical periodontitis exert differential effects on osteogenic differentiation
9	Madanagopal TT, Agarwalla SV, Rosa V	Applications of Nanocomposite Materials in Dentistry	Carbon nanocomposites for implant dentistry and bone tissue engineering
10	Lim LZ , Padilla RJ, Reside GJ, Tyndall DA	Oral Surgery, Oral Medicine, Oral Pathology and Oral Radiology	Comparing panoramic radiographs and cone beam computed tomography: Impact on radiographic features and differential diagnoses
11	Tan MY , Yee SHX, Wong KM, Tan YH, Tan KBC	International Journal of Oral and Maxillofacial Implants	Comparison of three-dimensional accuracy of digital and conventional implant impressions: Effect of interimplant distance in an edentulous arch
12	Soh SH , Rafferty K, Herring S	AMERICAN JOURNAL OF ORTHODONTICS AND DENTOFACIAL ORTHOPEDICS	Cyclic loading effects on craniofacial strain and sutural growth in pigs
13	Close to 400 international authors including Toh WS	JOURNAL OF EXTRACELLULAR VESICLES	Defining mesenchymal stromal cell (MSC)-derived small extracellular vesicles for therapeutic applications
14	Ahmed Z, Preshaw PM , Bauld L, Holliday R	British Dental Journal	Dental professionals' opinions and knowledge of smoking cessation and electronic cigarettes: A cross-sectional survey in the north of England

Publications (Jul 2018 - Jun 2019)

S/N	AUTHORS	SOURCE	TITLE
15	Holliday RS, Campbell J, Preshaw PM	Journal of Dentistry	Effect of nicotine on human gingival, periodontal ligament and oral epithelial cells. A systematic review of the literature
16	Banihani A, Deery C, Toumba J, Duggal M	Caries Research	Effectiveness, costs and patient acceptance of a conventional and a biological treatment approach for carious primary teeth in children
17	Vijayavenkataraman S, Zhang S, Thaharah S, Sriram G , Lu WF, Fuh JYH	Polymers	Electrohydrodynamic Jet 3D Printed Nerve Guide Conduits (NGCs) for Peripheral Nerve Injury Repair
18	Jaedicke KM, Bissett SM, Finch T, Thornton J, Preshaw PM	International Journal of Dental Hygiene	Exploring changes in oral hygiene behaviour in patients with diabetes and periodontal disease: A feasibility study
19	Loke W , Coomes AM, Eskow A, Vierra M, Mealey BL, Huynh-Ba G	Compendium of continuing education in dentistry (Jamesburg, N.J. : 1995)	Formulating a global prognosis and treatment plan for the periodontally compromised patient: a reconstructive vs. an adaptive approach
20	Sturrock A, Preshaw PM , Hayes C, Wilkes S	BMJ Open	General dental practitioners' perceptions of, and attitudes towards, improving patient safety through a multidisciplinary approach to the prevention of medication-related osteonecrosis of the jaw (MRONJ): A qualitative study in the North East of England
21	Rosa V , Rodríguez-Lozano FJ, Min K-S	Advanced Dental Biomaterials	Graphene to improve the physicomechanical properties and bioactivity of the cements
22	Xie H, Cao T , Franco-Obregón A, Rosa V	International Journal of Molecular Sciences	Graphene-induced osteogenic differentiation is mediated by the integrin/FAK axis
23	Intekhab I , Rosa V , Wong RCW	Eubios Journal of Asian and International Bioethics	HESC to iPSC: prohibition to controlled permissiveness to ethical panacea
24	Fu JH , Wang H-L	Diagnosis and Treatment of Furcation-Involved Teeth	How good are we at cleaning furcations? Non-surgical and surgical studies.
25	Agarwalla SV, Ellepola K, Ferraz da Costa MC, Macedo Fechine GJ, Morin JLP, Castro Neto AH, Seneviratne CJ, Rosa V	DENTAL MATERIALS	Hydrophobicity of graphene as a driving force for inhibiting biofilm formation of pathogenic bacteria and fungi
26	Goh ECL, Chong WH, Mohanty J, Law ECN, Hsu CYS , De Mol J, Kuczynski L	Journal of Medical Internet Research	Identifying positive adaptive pathways in low-income families in Singapore: Protocol for sequential, longitudinal mixed-methods design
27	Toh WS , Zhang B, Lai RC, Lim SK	CYTOTHERAPY	Immune regulatory targets of mesenchymal stromal cell exosomes/ small extracellular vesicles in tissue regeneration
28	Mullane S, Loke W	JOURNAL OF ORAL REHABILITATION	Influence of short-term side effects on oral sleep appliance compliance among CPAP-intolerant patients: An objective monitoring of compliance

Publications (Jul 2018 - Jun 2019)

S/N	AUTHORS	SOURCE	TITLE
29	Day PF, Duggal M , Nazzal H	Cochrane Database of Systematic Reviews	Interventions for treating traumatised permanent front teeth: Avulsed (knocked out) and replanted
30	Fu JH , Wang H-L	Implant Therapy Clinical Approach and Evidence of Success	Introduction to implant surgery: Optimal positioning of the dental implant
31	Allen PF	Journal of Dentistry	Leadership of a Clinical Academic Health Centre
32	Mercouriadis-Howald A, Rollier N, Tada S , McKenna G, Igarashi K, Schimmel M	JOURNAL OF PROSTHODONTIC RESEARCH	Loss of natural abutment teeth with cast copings retaining overdentures: a systematic review and meta-analysis
33	Antov H, Duggal MS , Nazzal H	International Endodontic Journal	Management of discolouration following revitalization endodontic procedures: A case series
34	Goh CE , Mooney SJ, Siscovick DS, Lemaitre RN, Hurvitz P, Sotoodehnia N, Kaufman TK, Zulaika G, Lovasi GS	RESUSCITATION	Medical facilities in the neighborhood and incidence of sudden cardiac arrest
35	Chew JRJ, Chuah SJ, Teo KYW, Zhang S, Lai RC, Fu JH , Lim LP , Lim SK, Toh WS	Acta Biomaterialia	Mesenchymal stem cell exosomes enhance periodontal ligament cell functions and promote periodontal regeneration
36	Lim Lum Peng , Guat Syin L	Periodontitis: Symptoms, Prevention and Management	Micronutrients and Periodontal disease—the potential role of vitamins
37	Close to 400 international authors including Toh WS .	JOURNAL OF EXTRACELLULAR VESICLES	Minimal information for studies of extracellular vesicles 2018 (MISEV2018): a position statement of the International Society for Extracellular Vesicles and update of the MISEV2014 guidelines
38	Allen PF , Da Mata C, Hayes M	GERODONTOLOGY	Minimal intervention dentistry for partially dentate older adults
39	Preshaw PM	British Dental Journal	Mouthwash use and risk of diabetes
40	Toh WS , Lai RC, Zhang B, Lim SK	BIOCHEMICAL SOCIETY TRANSACTIONS	MSC exosome works through a protein-based mechanism of action
41	Zhang S, Teo KYW, Chuah SJ, Lai RC, Lim SK, Toh WS	Biomaterials	MSC exosomes alleviate temporomandibular joint osteoarthritis by attenuating inflammation and restoring matrix homeostasis
42	Sriram G , Sudhakaran T, Wright GD	Methods Mol Biol	Multiphoton Microscopy for Noninvasive and Label-Free Imaging of Human Skin and Oral Mucosa Equivalents.
43	Mooney SJ, Lemaitre RN, Siscovick DS, Horvitz P, Goh CE , Kaufman TK, Zulaika G, Sheehan DM, Sotoodehnia N, Lovasi GS	Health & Place	Neighborhood food environment, dietary fatty acid biomarkers, and cardiac arrest risk
44	Balan P, He H-G, Cao F, Wong ML , Chong YS, Lopez V, Soh SE, Seneviratne CJ	Healthcare (Basel)	Oral Health in Pregnant Chinese Women in Singapore: A Call to Go beyond the Traditional Clinical Care.

Publications (Jul 2018 - Jun 2019)

S/N	AUTHORS	SOURCE	TITLE
45	Jawad Z, Bates C, Duggal M , Nazzal H	Journal of Orthodontics	Orthodontic management of a non-vital immature tooth treated with regenerative endodontics: a case report
46	Prasadh S, Suresh S, Wong R	MATERIALS	Osteogenic Potential of Graphene in Bone Tissue Engineering Scaffolds
47	Sturrock A, Preshaw PM , Hayes C, Wilkes S	BMJ OPEN	Perceptions and attitudes of patients towards medication-related osteonecrosis of the jaw (MRONJ): a qualitative study in England
48	Lim Lum Peng , WoonLing S	Periodontitis, Symptoms, Prevention and treatment options	Periodontal Abscess Aetiology, Prevention and Management
49	Gürsoy M, Wilensky A, Claffey N, Herrera D, Preshaw PM , Sanz M, Schlagenhaut U, Trombelli L, Demirel K	European Journal of Dental Education	Periodontal education and assessment in the undergraduate dental curriculum—A questionnaire-based survey in European countries
50	Yu M-K, Kim M-A, Rosa V , Hwang Y-C, del Fabbro M, Sohn W-J, Min K-S	Journal of Applied Oral Science	Role of extracellular DNA in Enterococcus faecalis biofilm formation and its susceptibility to sodium hypochlorite
51	Gupta N, Quah SY, Yeo JF , Ferreira J, Tan KS , Hong CHL	ARCHIVES OF ORAL BIOLOGY	Role of oral flora in chemotherapy-induced oral mucositis in vivo
52	Bhargav A, Min KS, Wen Feng L, Fuh JYH, Rosa V	Journal of Biomedical Materials Research - Part B Applied Biomaterials	Taguchi's methods to optimize the properties and bioactivity of 3D printed polycaprolactone/mineral trioxide aggregate scaffold: Theoretical predictions and experimental validation
53	Natu VP, Yap AU-J , Su MH, Ali NMI, Ansari A	JOURNAL OF ORAL REHABILITATION	Temporomandibular disorder symptoms and their association with quality of life, emotional states and sleep quality in South-East Asian youths
54	Ghouth N, Duggal MS , BaniHani A, Nazzal H	Dental Traumatology	The diagnostic accuracy of laser Doppler flowmetry in assessing pulp blood flow in permanent teeth: A systematic review
55	Prasadh S, Ratheesh V, Manakari V, Parande G, Gupta M, Wong R	METALS	The Potential of Magnesium Based Materials in Mandibular Reconstruction
56	da Mata C, Allen PF , McKenna GJ, Hayes M, Kashan A	GERODONTOLOGY	The relationship between oral-health-related quality of life and general health in an elderly population: A cross-sectional study
57	Wong RCW , Loh JSP , Intekhab I	Perusal of the Finite Element Method	The role of Finite Element Analysis in studying Potential Failure of Mandibular Reconstruction Methods
58	Ghouth N, Duggal MS , Nazzal H	British Dental Journal	The use of dental pulp tests in children with dental trauma: A national survey of the british society of paediatric dentistry's members
59	Bissett SM, Presseau J, Rapley T, Preshaw PM	British Dental Journal	Uptake of best practice recommendations in the management of patients with diabetes and periodontitis: A cross-sectional survey of dental clinicians

Conference Presentation (Jul 2018 - Jun 2019)

S/N	NAME OF STAFF	CONFERENCE NAME	PRESENTATION TITLE	CONFERENCE DATE(S)	VENUE	PRESENTATION TYPE
1	A/P Tan Kai Soo	IADR General Session 2018	Role of Oral Microbiota in the Severity of Chemotherapy - Induced Oral Mucositis	25 -28 July 2018	London, UK	Oral Presentation
2	A/P Vinicius Rosa	IADR General Session 2018	Determining the Biocompatibility/activity of Biomaterials for Tissue Engineering	25 -28 July 2018	London, UK	Poster Presentation
3	Dr Gopu Sriram	IADR General Session 2018	Two-Photo Microscopy-based characterization of invitro Organotypic Model of Atopic Dermatitis	25 -28 July 2018	London, UK	Oral Presentation
4	Dr Loke Weiqiang	IADR General Session 2018	Comparison of 3 occlusal splint designs on the EMG muscle activity of masticatory muscles during clenching and excursive movements	25 -28 July 2018	London, UK	Oral Presentation
5	Dr Sayaka Tada	IADR General Session 2018	The Prevention Approach for RPD Treatment Aiming to Avoid Tooth Loss	25 -28 July 2018	London, UK	Oral Presentation
6	Dr Fu Jia Hui	Asia Pacific Medical Education Conference (APMEC)	Enhancing spatial abilities and learning outcomes through 3D interactive technology: A randomised controlled trial in dental education	19 - 22 Jun 2019	Vancouver, Canada	Poster Presentation
7	A/P Yeo Jin Fei	Pathology Update 2019	Multiple Odontogenic Keratocysts (OKC) in Sotos Syndrome	19 - 22 Jun 2019	Vancouver, Canada	Oral Presentation
8	Dr Loke Weiqiang	American Academy of Restorative Dentistry 2019	Accuracy of intra-oral scanners: Is there any material difference?	19 - 22 Jun 2019	Vancouver, Canada	Oral Presentation
9	Prof Philip Preshaw	European Federation of Periodontology (EFP) - Perio Master Clinic	Prevention of Peri-Implant Disease	10 - 12 Jan 2019	Singapore	Oral Presentation
10	A/P Stephen Hsu	IADR General Session 2019	Changes in Plaque Acidity and Caries Experience in Preschool children	23 - 24 Feb 2019	Chicago, Illinois	Oral Presentation
11	A/P Vinicius Rosa	IADR General Session 2019	Graphene coating to enhance osteogenesis and decrease implant infection	22 - 24 Feb 2019	Melbourne, Australia	Poster Presentation
12	Dr Toh Wei Seong	IADR General Session 2019	MSC Exosome and Mechanism of Action in TMJ Repair	1 - 2 Mar 2019	Hong Kong	Oral Presentation
13	Dr Intekhab Islam	IADR General Session 2019	Computer Based Testing for Dental Undergraduate Education: Student Perspectives	19 - 22 Jun 2019	Vancouver, Canada	Poster Presentation
14	Dr Sriram Gopu	IADR General Session 2019	Organ-on-a-chip device for Culture and Testing of Skin and Oral Mucosa Equivalents	19 - 22 Jun 2019	Vancouver, Canada	Poster Presentation
15	Prof Philip Preshaw	IADR General Session 2019	Treatment Of Periodontitis Reduces Systemic Inflammation In Type 2 Diabetes	19 - 22 Jun 2019	Vancouver, Canada	Poster Presentation
16	Dr Sriram Gopu	IADR Pulp Biology and Regeneration Group Satellite Meeting	Characterization of Dental Pulp Stem Cells Cultured Under Animal Component-Free Conditions: Pilot Study	23 - 25 Jun 2019	Portland, Oregon, (USA)	Poster Presentation

Invited Talks (Jul 2018 - Jun 2019)

S/N	NAME OF STAFF	CONFERENCE NAME	PRESENTATION TITLE	CONFERENCE DATE(S)	VENUE	PRESENTATION TYPE
1	A/P Cao Tong	The 17th Annual Academic Meeting of Pan Pacific Implant Society.	Development of iHuman tissues and organs integrated with blood vessels and nerves.	13 - 14 Apr 2018	Hangzhou, China	Presidential Guest Plenary Keynote Speech
2	A/P Cao Tong	The Academic Summit Forum, Key Laboratory of Stomatology, Zhejiang Province Government	Update on iHuman Development for Dentistry.	17 - 20 May 2019	Hangzhou, China	Presidential Guest Plenary Keynote Speech
3	A/P Cao Tong	The Academic Summit Forum, Key Laboratory of Stomatology, Shanghai Municipality Government	iHuman Update for Dentistry and Medicine.	23 May 2019	Shanghai, China	Presidential Guest Plenary Keynote Speech
4	A/P Cao Tong	International Conference on Biomaterials, Bio-Design and Manufacturing (BDMC2018) & H2020 BAMOS Project 2018 Meeting	iHuman: Build an unlimitedly expandable, vascularized and innervated Organchain from a gold-standard single cell.	26 - 28 Aug 2018	Hangzhou, China	Presidential Guest Plenary Keynote Speech
5	A/P Cao Tong	The 2nd SNUUSD International Conference for Future Dentistry	iHuman Organchain for future dentistry.	26 - 27 Oct 2018	Seoul, South Korea	Presidential Guest Keynote Speech
6	A/P Cao Tong	Special International Seminar, Gangneung-Wonju National University	iHuman Organchain Development.	29 Oct 2019	South Korea	Guest Speech
7	Dr Fu Jia Hui	International Osteology Symposium	Soft Tissue Regeneration - Indications and Principles	25 - 27 Apr 2019	Barcelona Spain	Invited lecture
8	Dr Fu Jia Hui	Tri Society Restorative Symposium	The 6 Critical Dimensions of Spatial Implant Placement	7 Oct 2018	Singapore	Invited lecture
9	Dr Fu Jia Hui	ITI Study Club Taiwan	Maintenance of Dental Implants	15 Nov 2018	Taipei Taiwan	Invited lecture
10	Dr Fu Jia Hui	Taiwan Academy of Periodontology Annual Meeting	Multidisciplinary Approach towards Managing Patients with Periodontitis	17 - 18 Nov 2018	Kao Hsiung Taiwan	Invited lecture
11	Prof Mandeep Singh Duggal	Association of Orthodontists of Singapore	Interdisciplinary care for children with trauma	23 - 24 Feb 2019	Singapore	Invited Talks
12	Prof Mandeep Singh Duggal	European Academy of paediatric Dentistry (EAPD)	Clinical Research methodology	2 - 4 Apr 2019	Crete, Greece	Invited Talks
13	Prof Mandeep Singh Duggal	European Society of Endodontics (ESE)	Interdisciplinary care for trauma-Autotransplantation	12 - 15 Sep 2019	Vienna, Austria	Invited Talks
14	Prof Patrick Finbarr Allen	Dental Association of Thailand Silver Wave Symposium	Treatment planning considerations for the older patient	23 Feb 2019	Bangkok, Thailand	Invited Speaker
15	Prof Patrick Finbarr Allen	Dental Association of Thailand Silver Wave Symposium	Managing the partially dentate older patient – the long term view	23 Feb 2019	Bangkok, Thailand	Invited Speaker
16	Prof Patrick Finbarr Allen	IADR General Session 2018	Government and corporate funding for oral health research in Asia	25 - 28 Jul 2018	London UK	Invited Plenary speaker
17	Prof Patrick Finbarr Allen	Total Nutrition Therapy Geriatric Symposium	Oral Health and Nutrition	23 - 24 Aug 2018	Singapore	Invited Speaker
18	Prof Patrick Finbarr Allen	Geriatric Dentistry Symposium, IADR South East Asia 2018	A trans-sectoral approach to meet oral healthcare training needs for the aging population	11 - 14 Sep 2018	Da Nang, Vietnam	Invited Plenary speaker
19	Prof Patrick Finbarr Allen	Global Health Forum	Oral healthcare for an aging population – do we need a new care model?	28 - 29 Oct 2018	Taiwan, Taipei	Invited Speaker
20	Dr Peter Yu	SAF Dental Branch 50th Anniversary & Symposium	Informatics & Personalised Dentistry	26 Oct 2018	Singapore	Invited Talk
21	Dr Raymond Wong	AOCMF Management of Maxillofacial Trauma , Chennai, India	Sequencing of Panfacial Fractures	15 -16 Feb 2019	Chennai, India	Invited As Regional Faculty for Asia Pacific
22	Dr Raymond Wong	AOCMF Management of Maxillofacial Trauma	Surgical Approaches to the midface	15 -16 Feb 2019	Chennai, India	Invited As Regional Faculty for Asia Pacific

Invited Talks (Jul 2018 - Jun 2019)

S/N	NAME OF STAFF	CONFERENCE NAME	PRESENTATION TITLE	CONFERENCE DATE(S)	VENUE	PRESENTATION TYPE
23	Dr Raymond Wong	AOCMF Advances in Digital Planning and Surgery First Approach in Orthognathic Surgery with Anatomical Specimens	Pre and Post-surgical care protocol	9 - 11 May 2019	University of Hong Kong	Invited As Regional Faculty for Asia Pacific
24	Dr Raymond Wong	AOCMF Advances in Digital Planning and Surgery First Approach in Orthognathic Surgery with Anatomical Specimens	Surgery First Approach in Orthognathic Surgery	9 - 11 May 2019	University of Hong Kong	Invited As Regional Faculty for Asia Pacific
25	Dr Raymond Wong	AOCMF Advances in Digital Planning and Surgery First Approach in Orthognathic Surgery with Anatomical Specimens	Planning for Surgery First Approach-from conventional to digital model surgery	9 - 11 May 2019	University of Hong Kong	Invited As Regional Faculty for Asia Pacific
26	Dr Raymond Wong	AOCMF Management of Maxillofacial Trauma	Mandibular fractures: load bearing and load sharing	11 - 12 Sep 2018	Singapore	Invited Speaker
27	Dr Raymond Wong	AOCMF Management of Maxillofacial Trauma	Re-establishing the pre-traumatic occlusion	11 - 12 Sep 2018	Singapore	Invited Speaker
28	Dr Raymond Wong	AOCMF Advances in Orbital and Condylar Trauma Reconstruction with Anatomical Specimens,	Classification of mandibular condyle injuries	14 - 15 Sep 2018	Singapore	Invited Speaker
29	Dr Raymond Wong	2 nd Translational Craniofacial Conference	Customization of facial deformity surgery -Advances in the 4th Industrial Revolution	14 - 15 Sep 2018	Kota Bahru, Kelantan, Malaysia	Invited Speaker
30	Dr Raymond Wong	Sports Medicine Residency Lectures	Management of facial injuries.	2 Oct 2018	Singapore	Invited Speaker
31	Dr Raymond Wong	Asian Conference on Oral and Maxillofacial Surgery	Patient Specific Implants in Orthognathic Surgery-What are the indications and options?	9 - 11 Nov 2018	Taipei, Taiwan	Invited Speaker
32	Dr Sayaka Tada	Microscopy Society (Singapore) AGSM 2019	Sustaining high QOL of elderly through multidisciplinary-holistic dental care: Prevention approach for RPD treatment	25 Aug 2018	Yogyakarta, Indonesia	Invited Lecture
33	Dr Sriram Gopu	Faculty of Dentistry, Universitas Gajah Mada	Label-free insights into skin and oral mucosal tissues using two-photon microscopy	1 Mar 2019	Singapore	Oral Presentation Invited talk
34	Dr Sriram Gopu	Continuing Dental Education Programme	Research Experience & Opportunities in Tissue Engineering	22 Apr 2019	Chennai, India	Oral Presentation Invited talk
35	Dr Sriram Gopu	A*PECSS Career Development Symposium	Preparing Towards a Career in Academia	9 Jul 2018	Singapore	Oral Presentation Invited talk
36	Dr Toh Wei Seong	2019 Asia-Pacific Extracellular Vesicle Conference	MSC Exosome for Cell-Free Regenerative Joint Therapy	19 - 20 Jan 2019	National Taiwan University, College of Medicine, Taoyuan, Taiwan	Invited Talk
37	Dr Toh Wei Seong	International Orthopaedic Postgraduate Basic Sciences Research Symposium (IOPS)	MSC exosome works through a multi-faceted mechanism of action in joint repair	30 Apr 2019	Kuala Lumpur, Malaysia	Invited Talk
38	Dr Toh Wei Seong	SOCRATES 2019 Workshop: To develop potency assays for human MSC small EVs	MSC-sEV for cell-free regenerative joint therapy	19 - 20 Aug 2019	Biopolis, Singapore	Invited Talk (A focus meeting with selected 30 participants in the field)
39	Dr Toh Wei Seong	TERMIS World Congress 2018	MSC Exosome as a Cell-Free Therapy for Cartilage Repair	4 - 7 Sep 2018	Kyoto, Japan	Invited Talk for Special Symposium: Extracellular Vesicles in Tissue Regeneration



SERVICE



SERVICE

Patient Attendance

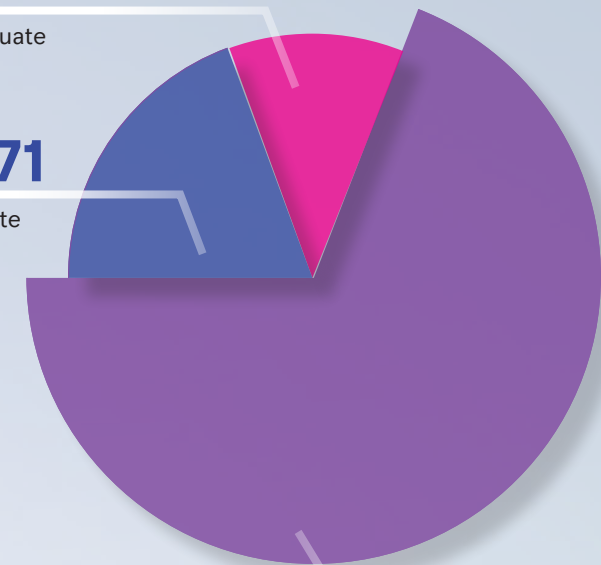
TOTAL PATIENT ATTENDANCE
From July 2018 to June 2019

14,085

Undergraduate

20,271

Postgraduate



61,785

UDC - NUH Dental Centre

UDC - NUH Dental Centre	61,785
Undergraduate	14,085
Postgraduate	20,271
TOTAL	96,141

Oral Health Awareness Roadshow



As part of the Faculty of Dentistry's 90th Anniversary celebrations, the Faculty took its annual Oral Health Awareness Roadshow to the heartlands. Co-organized by the Faculty of Dentistry and the National University Health System (NUHS) Corporate Communications Department, supported by Singapore Dental Association (SDA), the roadshow was held on 23rd and 24th March 2019 at the Star Vista Foyer and saw over 900 attendees visiting the roadshow.

Objectives of the two day roadshow were to provide information on common oral conditions such as caries and periodontal disease, raise awareness of the bi-directional relationship between oral and systemic health, provide the public with basic preventive oral health advice, and to encourage them to play a proactive role in maintaining their oral health. Members of the faculty as well as undergraduate and postgraduate student volunteers were present at the roadshow to share additional tips and knowledge through the wide range of activities.



Oral Health Awareness Roadshow



From keychain making and games to teach the correct brushing technique for kids, to specially-themed booths about the proper maintenance of teeth and gums for the elderly, the roadshow had something for visitors from every different age groups.

Furthermore, to mark the Faculty's 90th Anniversary celebrations, the roadshow also featured an exhibition on National University Centre for Oral Health, Singapore and the evolution of the Faculty of Dentistry over the years. The exhibition detailed the history of the Faculty, and highlighted key moments, achievements and milestones throughout its journey.





ALUMNI RELATIONS



ALUMNI & DEVELOPMENT RELATIONS

Donations Received (Jul 2018 - Jun 2019)

The Faculty wishes to extend our heartfelt appreciation to our generous donors who had made gifts totalling \$286,234 to the Faculty between July 2018 and June 2019. Thank you for your generosity in supporting the Faculty towards our mission to improve oral health through academic excellence, high impact research and quality clinical service.

\$50,000 - \$99,999

Singapore Dental Association

\$10,000 - \$49,999

Invisalign Singapore Pte Ltd
Kaan Sheung Kin
Lee Ai Ling
Phay Yew Ming
Q & M Dental Group (Singapore) Limited
Tay Kheng Lip, David

\$1,000 - \$9,999

Anonymous
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Chong Yea Hwe
Eu Oy Chu
Health Promotion Board
GC Asia Dental Pte Ltd
Ho Pui San
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Lai Wen Pui, Bien
Lee Kwee Jin
Lim Sor Kheng
Loh Poey Ling
Mok Yuen Pun, Clara
Mok Yuen Yue, Betty
Neo Tee Khin
Ng Bee Lang
Patrick Dental Ceramic Arts
Raydent Supplies (S) Pte Ltd
Tay Seng Kong, Louis
Tay Eng Ai, Cheryl
Tay Wei Lien
Tong How Heng

Under \$1,000

Anonymous
Ang Chee Wan
Boen Pau Shiong, Daniel
Boey Pui Yunn
Ang Hooi Kia, Angeline
Boh Siew Thang
Chan Yi Xin
Chee Sang Dental Supply Pte Ltd
Chay Pui Ling
Chang Fu Shi
Cheung Teck Cheong, Richard
Chen Sin Lee, Shirley
Chia May Leng
Chew Loy Cheow
Chin Meng Yean
Chong Canon
Chong Ai Lei, Iris
Chionh Chye Kiat, Eric
Chow Kit Lin, Bernice
Chua Sheng Da, Jason
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Gopu Sriram
Ho Foong Hui
Ho Mui Fung
Ho Xin Hui, Clarissa
Hoang Tram Ngoc
Jeffrey Aaron De Vries
Huang Teng Kian, Melvin
Koh Dong Wei, Delwin
Kau Chung How
Kou Keat Ing
Lau Yu Yi, Samuel
Lee May Pin, Anne
Lee Chi Hong, Bruce
Lee Su Lynn

Donations Received (Jul 2018 - Jun 2019)

Under \$1,000

- | | |
|--------------------------|-------------------------------------|
| Lee Yu Hua, Isabella | So Lea May, Elizabeth |
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| Lim Hock Guan | Soh Wee Keong |
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| Neo Soon Heng, Ronnie | Wong Keng Mun |
| Ng Kah Hui | Wong Kiay Sein |
| Ng Ghim Chew, Shawn | Wong Kuan Yee |
| Ng Wei Xuan | Wong Paul Matthew G |
| Ng Shi Qi, Celeste | Wu Wenhao |
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| Quah Ying, Clare | Yeo Jun-Chern, Egwin |
| Seow Kim Bock, Jeffrey | Yow Mimi |
| Sim Hui Wen, Michelle | Zheng Dan |
| Shin Jong Hoon | Zhang Zhengyi |

Alumni Events

Reunion Class of '78

The class of '78 had a class reunion earlier this year, 2019.

After a friendship of over 40 years, it was a very pleasant experience meeting classmates cum friends again as some had left practising dentistry to venture into other fields and others who now reside outside of Singapore.



From hot-blooded young men and women, most had become rather docile. Perhaps due to us getting-on in years or from our life experiences such as becoming proud grandparents that have tempered us. That said, the flames of our youth still burns-on within us and our memories.

It was fun having the class of '78 together and reminiscing on our student days at the new faculty.

We were given a tour of the various facilities, a short presentation of the new premises and the future plans. This was followed by a lunch hosted by Prof Allen, Dean of the Faculty of Dentistry.

We were all amazed seeing the advances made in the Faculty's equipment and facilities first-hand. Gone were the days of having the class share units, equipment and rudimentary facilities. The Faculty has certainly come a long way since our time.

The reunion and tour gave rise to many memories of our student days, where we faced daily trials and tribulations, victories and setbacks. From not being able to fit our gold inlays, to successfully completing our schedules, these were the moments that we as dental students will always remember. Yet above all stands the class camaraderie and friendship. 40 years is a long time yet it always rejuvenates us as we look forward to many more years as a class.

Vijayan Loganathan
Class of '78



STAFF DEVELOPMENT



STAFF DEVELOPMENT

New Faculty

Name: Charlene Goh
Designation: Dental Instructor, Registrar



I am extremely grateful to NUS and the Faculty of Dentistry for giving me the opportunity to do my Master's in Public Health and Doctor in Public Health in Epidemiology at Columbia University. I have benefited from the advanced training in research and causal inference, and thoroughly enjoyed the collegial learning and research environment fostered by my classmates and teachers. The emphasis on social justice in the school and the different perspectives of the global melting pot that is my cohort and New York City, has enriched my education. I look forward to learning more and growing as a teacher and researcher here at the Faculty of Dentistry.

Name: Lee Yun Hui
Designation: Dental Instructor, Dental Officer

In dental school, we spent hours learning about and training to become good clinicians—the six-degree taper, the denture designs, the cavity preps and the list goes on. I left dental school all ready to do so much good for my patients. However, in slightly over a year of practice in the government service, I had become keenly aware that for many of our patients who relied on public dental services, the clinical outcome often depended on more than our collective clinical abilities. This awareness was what had led me to take wary steps towards work in public health three years ago when I first joined NUS Faculty of Dentistry as a Dental Instructor. Three years on, I have gotten the opportunity to



be involved in meaningful work such as the planning and execution of the National Adult Oral Health Survey. Through my work in the Faculty, I have also had the opportunity to work with impactful mentors from both within and outside our faculty such as A/P Wong Mun Loke and Prof Chia Kee Seng. These experiences have led me to pursue further training in the field of public health and embark on a Master Of Public Health at the NUS Saw Swee Hock School of Public Health in 2018. The program has given me valuable insights into various aspects of the complex web that is our healthcare system. It has also given me the invaluable opportunity to learn from and eat with classmates from a diverse range of backgrounds. I look forward to continuing on this path, wherever it may take me!

Long Service Award 2019

S/N	YEARS OF SERVICE	LAST NAME	JOB TITLE
1	5	Azlia Binte Abdul Aziz	Management Assistant Officer
2	45	Chew Chong Lin	Professor
3	10	Fong Chong Hui Ann	Assistant Manager
4	30	Kou Keat Ing	Laboratory Technologist
5	5	Lim Li Zhen	Instructor
6	25	Lim Lum Peng	Associate Professor
7	5	Lydiawati Binte Mohamad Isa	Senior Executive
8	5	Toh Wei Seong	Associate Professor
9	40	Yeo Jin Fei	Associate Professor
10	10	Yu Soo Hoon, Victoria	Associate Professor

Promotions

CFS Promotion with effect 1 July 2018:

- Dr Chew Shen Hui, Bertrand (to Clinical Senior Lecturer)
- Dr Nattharee Chanchareonsook (to Clinical Senior Lecturer)

NUS/NUH Staff Promotion with effect 1 July 2018:

- Associate Professor Stephen Hsu (to Senior Consultant)
- Dr Tay Chong Meng (to Consultant)
- Dr Melvin Lew (to Associate Consultant)
- Dr Lum Jing Li (to Associate Consultant)
- Dr Zheng Dan (to Research Fellow)

Returning Scholars:

- Dr Charlene Goh (to Registrar wef 1 August 2018)

NUS/NUH Staff Promotion with effect 1 January 2019:

- Dr Sim Chien Joo (to Consultant)
- Ms Sim Yu Fan (to Senior Assistant Manager)
- Mdm Ek Ben Lai (Management Assistant Officer)
- Mdm Azlia Binte Abdul Aziz (Management Assistant Officer)
- Associate Professor Vinicius Rosa (to Associate Professor)

Adjunct Staff

S/N	DISCIPLINE	NAME	ADJUNCT POSITION
1	Oral & Maxillofacial Surgery	Dr Chan Siew Luen	Adjunct Senior Lecturer
2		A/P Elliott, Myra nee Lin Wen Jui	Adjunct Associate Professor
3		Dr Lee Kim Chuan, Lewis	Adjunct Senior Lecturer
4		A/P Loh Fun Chee	Adjunct Associate Professor
5		Dr Robinson Narendran Andrew	Adjunct Senior Lecturer
6	Oral Sciences	A/P Lee Woon Oi, Teresa	Adjunct Associate Professor
7	Periodontics	Dr Ang Chee Wan	Adjunct Senior Lecturer
8		A/P Chung Kong Mun	Adjunct Associate Professor
9		Dr Henry Kwek Swee Nguang	Adjunct Senior Lecturer
10		Dr Lee Kwee Jin	Adjunct Senior Lecturer
11		Dr Madeliene Rathi Gunaratnam	Adjunct Senior Lecturer
12		Dr Marlene Teo	Adjunct Senior Lecturer
13		Dr Tan Thong Kwan, Benjamin	Adjunct Senior Lecturer
14		Dr Tay Lai Hock Alphonsus	Adjunct Senior Lecturer
15	Orthodontics and Paediatric Dentistry	Dr Hwang Yee Cheau	Adjunct Senior Lecturer
16		Dr Kaan Sheung Kin	Adjunct Senior Lecturer
17		Dr Koh Chay Hui	Adjunct Senior Lecturer
18		Dr Lim Chong Yang, Arthur	Adjunct Senior Lecturer
19		Dr Ong Hoe Boon	Adjunct Senior Lecturer
20		Dr Tan Hwee Hiang	Adjunct Senior Lecturer
21		Dr Tan Tzee Jen	Adjunct Senior Lecturer
22		A/P Mohammed Azharashid Bin Mohamed Tahir (Rashid Tahir)	Adjunct Associate Professor
23		Dr Ng Jing Jing	Adjunct Lecturer
24		Dr Tong Huei Jinn	Adjunct Lecturer
25	Endodontics, Operative Dentistry & Prosthodontics	Dr Chng Huey Shin	Adjunct Senior Lecturer
26		Dr Goh Kwee Chien, Benny	Adjunct Senior Lecturer
27		Dr Lee Chee Wee	Adjunct Senior Lecturer
28		Dr Lee Siew King	Adjunct Senior Lecturer
29		Dr Lim Sze Kheng	Adjunct Lecturer
30		Dr Lim Toh Seong, Andy	Adjunct Lecturer
31		Dr Liu Hao Hsing	Adjunct Senior Lecturer
32		Dr Ong Eng Yau, Timothy	Adjunct Senior Lecturer
33		A/P Ansgar Cheng Chi-Chung	Adjunct Associate Professor
34		Dr Leong Woei Jian, Elvin	Adjunct Lecturer

Adjunct Staff

S/N	DISCIPLINE	NAME	ADJUNCT POSITION
35	Endodontics, Operative Dentistry & Prosthodontics	Dr Leung Wing Hung Dominic	Adjunct Senior Lecturer
36		Dr Lim, Michael	Adjunct Senior Lecturer
37		A/P Loh Poey Ling	Adjunct Associate Professor
38		Dr Neo Tee Khin	Adjunct Senior Lecturer
39		Dr Teh Kiat Seong	Adjunct Senior Lecturer
40		Dr Wong Keng Mun	Adjunct Senior Lecturer
41		Dr Wong Soon May Adeline	Adjunct Senior Lecturer
42		Dr Shahul Hameed	Adjunct Senior Lecturer
43		Dr Cheong Kim Yan	Adjunct Senior Lecturer
44		Dr Chin Yee Fatt	Adjunct Lecturer
45		Dr Lee Hoon Hwee	Adjunct Senior Lecturer
46		Dr Lim Ching Chiat	Adjunct Senior Lecturer
47		Dr Lim Eng Yong, Jerry	Adjunct Lecturer
48		Dr Lim Gim Teck	Adjunct Senior Lecturer
49		A/P Lim Kian Chong, Gerald	Adjunct Associate Professor
50		Dr Loganathan Vijayan	Adjunct Senior Lecturer
51		Dr Ong Kheng Kok	Adjunct Lecturer
52		Dr Ong Teng Sin	Adjunct Lecturer
53		Dr Pang Soon Eng	Adjunct Senior Lecturer
54		Dr Phay Yew Ming	Adjunct Senior Lecturer
55		Dr Thean Tsin Piao	Adjunct Lecturer
56		Dr Yap Yi-Roon, Ronnie	Adjunct Senior Lecturer
57		Dr Tan Ying Han	Adjunct Lecturer
58		Dean's Office	Dr Ho Koon Chyn, Florence

Clinical Faculty Scheme Staff

S/N	COMPANY	NAME	APPOINTMENT	DISCIPLINE
1	National University Polyclinics	Dr Patricia Wong Ren Jie	Clinical Teacher (NEW)	Dental Diagnostic clinic
2	National Dental Centre Singapore	Cl. A/P Chen Nah Nah	Clinical Associate Professor	Endodontics, Operative Dentistry
3	Jurong Health Services	Dr Dephne Leong Jack Xin	Clinical Lecturer (NEW)	
4	National Dental Centre Singapore	Dr Lim Sor Kheng	Clinical Senior Lecturer	
5	National Healthcare Group Polyclinics	Dr Low Meng Tze Kenneth	Clinical Senior Lecturer	
6	National Dental Centre Singapore	Dr Lui Jeen Nee	Clinical Senior Lecturer	
7		Dr Chan Pei Yuan	Clinical Teacher	
8		Dr Wu Siwen	Clinical Teacher (NEW)	
9	Khoo Teck Puat Hospital	Dr Tan Shao Yong	Clinical Teacher (NEW)	
10	National Dental Centre Singapore	Cl. A/P Goh Bee Tin	Clinical Associate Professor	
11		Cl. A/P Kwa Chong Teck	Clinical Associate Professor	
12		Cl. A/P Poon Choy Yoke	Clinical Associate Professor	
13		Cl. A/P Tay Ban Guan , Andrew	Clinical Associate Professor	
14		Cl. A/P Teh Luan Yook	Clinical Associate Professor	
15		Dr Chelsia Sim Qiuxia	Clinical Lecturer	
16		Dr Lim Tian Wei	Clinical Lecturer	
17		Dr Natthareen Chanchareonsook	Clinical Lecturer	
18		Dr Rahul Harshad Nagadia	Clinical Lecturer	
19		Dr Soong Poh Luon	Clinical Lecturer	
20		Dr Leonardo Saigo	Clinical Lecturer	
21		Dr Lai Juen Bin	Clinical Senior Lecturer	
22		Dr Tan Ben Poon, Danny	Clinical Senior Lecturer	
23		Jurong Health Services	Dr Bertrand Chew Shen Hui	Clinical Senior Lecturer
24	National Dental Centre Singapore	Dr Albert Lee Ming Hsien	Clinical Teacher (NEW)	Orthodontics
25		Dr Tan Mei Hui	Clinical Teacher (NEW)	
26		Cl. A/P Chew Ming Tak	Clinical Associate Professor	
27		Cl. A/P Mimi Yow	Clinical Associate Professor	
28	Dr Tan Li Yen Elaine	Clinical Lecturer		
29	KK Women's & Children's Hospital	Dr Chng Chai Kiat	Clinical Senior Lecturer	
30	National Dental Centre Singapore	Dr Choo Johanna	Clinical Senior Lecturer	
31		Lim Kuen Fui, Ivan	Clinical Senior Lecturer	

Clinical Faculty Scheme Staff

S/N	COMPANY	NAME	APPOINTMENT	DISCIPLINE
32	TTSH	Dr Tan Hui Ling, Vivien	Clinical Senior Lecturer	Orthodontics
33	National Dental Centre Singapore	Dr Ng Jing Hao	Clinical Teacher	
34		Dr Wong Elaine	Clinical Teacher	
35	Jurong Health Services	Dr Lai Ye Choung	Clinical Teacher	
36	National Dental Centre Singapore	Dr Lu Si Ai Priscilla	Clinical Teacher	
37		Dr Peh Yew Jia	Clinical Teacher	
38		Dr Wong Elaine	Clinical Teacher	
39	National Dental Centre Singapore	Dr Lai Wen Pui Bien	Clinical Senior Lecturer	Paediatric Dentistry
40	KK Women's & Children's Hospital	Dr Chay Pui Ling	Clinical Lecturer	
41	Health Promotion Board	Dr Lim Wanyi	Clinical Teacher	Periodontics
42	National Dental Centre Singapore	Cl. A/P Marianne Ong Meng Ann	Clinical Associate Professor	
43		Dr Lee Wan Zhen	Clinical Lecturer	
44	Jurong Health Services	Dr Wong Li Beng	Clinical Lecturer	
45	National Dental Centre Singapore	Dr Chee Hoe Kit	Clinical Senior Lecturer	
46		Dr Koh Chu Guan	Clinical Senior Lecturer	
47		Dr Tan Ching Ching	Clinical Senior Lecturer	
48		Dr Yang Jinrong	Clinical Teacher	
49		Dr Foo Lean Heong	Clinical Teacher (NEW)	
50	Jurong Health Services	Cl. A/P Adrian Yap U-Jin	Clinical Associate Professor	Prosthodontics
51	National Dental Centre Singapore	Cl. A/P Christina Sim Poh Choo	Clinical Associate Professor	
52		Cl. A/P Chua Ee Kiam	Clinical Associate Professor	
53		Dr Ken Tan	Clinical Associate Professor	
54		Cl. A/P Teoh Khim Hean	Clinical Associate Professor	
55		Dr Quek Heng Chuan	Clinical Senior Lecturer	
56		Dr See Toh Yoong Liang	Clinical Senior Lecturer	
57	Khoo Teck Puat Hospital	Dr Low Huey Moon	Clinical Senior Lecturer (NEW)	
58		Dr Tan Kian Meng	Clinical Lecturer	
59		Dr Wong Kuan Yee	Clinical Lecturer	
60	TTSH	Dr Lin Dan	Clinical Teacher	
61	National Dental Centre Singapore	Dr Chia Ai Ping Vanessa	Clinical Teacher (NEW)	
62	Khoo Teck Puat Hospital	Dr Priscilla Sia Kia Suan	Clinical Teacher (NEW)	

Part-time Teaching Staff

S/N	DISCIPLINE	NAME
1	Endodontics, Operative Dentistry & Prosthodontics	Dr Ang Ee Choon Richard
2		Dr Basanti Sankaran
3		Dr Bruce Lee Chi Hong
4		Dr Choo Keang Hai
5		Dr Goh Tarn Peng
6		Dr Juliana Tereza Colpani
7		Dr Justina Ung
8		Dr Khng Kwang Yong Kelvin
9		Dr Li Shan Shan Angela
10		Dr Long Benjamnin Charles
12		Dr Mccully Leroy Edgar
13		Dr Richard Ow Kok Keng
14		Dr Sherine Yang Shi Lin
15		Dr Sim Peng Chuan, Timothy
16		Dr Simon Ng Dih Hann
17		Dr Sng Hong Cheong, Jeffrey
18		Dr Steven Soo
19		Dr Tan Lisa
20		Dr Tan Tiat Heng, Edwin
21		Dr Tay Li Chye
22		Dr Teo Juin Wei
23		Dr Willy Chang Shian Wei
24		Oral & Maxillofacial Surgery
25	Dr Henry KL Ho	
26	Dr Ho Kok Sen	
27	Dr Lye Kok Weng	
28	Dr Sng Kong Chee	
29	Dr Tan Min Seet	
30	Dr Vijaya Kumar A/L Ramulu	
31	Dr Wee Tze Haur	
32	Dr Teo Bo Tiong, Noah	

Part-time Teaching Staff

S/N	DISCIPLINE	NAME
33	Discipline of Oral Sciences	Dr Chong Tse Feng Gabriel
34		Dr Loh Kai Woh, Ronald
35		Dr Tan Peng Hui
36		Dr Tay Khoon Mei
37		Dr Chaminda Jayampath Seneviratne
38	Orthodontics & Paediatric Dentistry	Dr Bryce Lee Pheng Hean
39		Dr Eugene Wee Chun Kheng
40		Dr Geraldine Oh Sin Yin
41		Dr Lee Pheng Hean Bryce
42		Dr Loh Eu-Min Eugene Lester
43		Dr Teh Yi Mui , Marina
44		Dr Natalia Yip Pei Wen
45		Dr Poon Kah Chai
46		Dr Sham Pui Yin Enrica
47		Dr Sylvia Tan
48		Dr Terry Teo Kuo-Yih
49		Dr Woo Mei Yee
50		Dr Lee Ping Geraldine
51		Dr Tang Kok Siew
52		Dr Lu Si Ai Priscilla
53		Dr Peh Yew Jia
54		Dr Wong Elaine
55	Periodontics	Dr Bai Shuren Adrian
56		Dr Hoang Tram Ngoc
57		Dr Leong Jack Min Daylene
58		Dr Ng Cher Hui Mervyn
59		Dr Tan Wah Ching
60		Dr Terence Jee Shizhuan
61		Dr Yap Kin Wai
62		Dr Yeo Boon Keng Alvin
63		Dr Jaime Chang Hui Min
64		Dr Kajal Rupesh Agrawal

Retirement

The Faculty has had the privilege of having many dedicated staff over the years who have been committed to the education and training of later generations of dental students, two of which we would like to recognise as we bid farewell to them. Professor Chew Chong Lin and Associate Professor Keng Siong Beng recently retired in 2019, but still selflessly continue with service and education on a part-time basis with the Faculty. The accomplishments of these valued professors are numerous, and the following lists give us only a vague idea of their impact.

Professor Chew Chong Lin

- 1980 – 1983; 1985 – 1990 Head of Department of Prosthetic Dentistry
- 1980 – 1983 Vice Dean, Faculty of Dentistry
- 1990 – 2000 Head of Department of Restorative Dentistry
- 1986 – 2012 Director of Graduate School of Dental Studies
- 1995 – 2000 Dean, Faculty of Dentistry
- 2001 – 2019 Member, Faculty Research Committee
- 2001 – 2019 Member, Faculty Promotions and Tenure Committee
- 2007 – 2012 Director, Centre for Advanced Dental Education

Awards

- 2004 Public Administration Medal (Silver)
- 2009 NUS Inspiring Mentor Award
- 2009 National Outstanding Clinician Mentor Award
- 2009 NHG-NUHS Life-time Achievement Award
- 2009 NUHS Emeritus Consultant
- 2012 National Day Award – The Long Service Medal
- 2019 NUS Emeritus Professor

Prof Chew started the Undergraduate Research Opportunities Program (UROP), a milestone addition to the curriculum that has since introduced generations of dental students to the research process so critical to our practice. During his Deanship, the Faculty introduced the Competency-Based Curriculum. He also embarked on a community dental project with Lions Befrienders, Singapore, to provide professional dental care to the underprivileged elderly. Prof Chew was instrumental in formalising the graduate training of five specialties into structured Residency Training Programs, four of which have conjoint examination status with the Royal College of Surgeons, Edinburgh. As the first director of the Centre for Advanced Dental Education, Prof Chew further formalised Graduate Diploma and Continuing Dental Education programs.



Professor Keng Siong Beng

- 1989 – 1991 Vice Dean, Faculty of Dentistry
- 2002 – 2009 Assistant Dean (Clinical Affairs), Faculty of Dentistry
- 2009 Chairman and Coordinating Secretariat for move to FOD Interim Building
- 2002 – 2010 Coordinator, IT Unit
- 2010 – 2012 Chairman, Faculty of External Relations
- 2010 – 2012 Chairman, Faculty Technology Committee
- 2010 – 2019 Member, Faculty Teaching Excellence Committee
- 2010 – 2019 Member, Faculty Peer Review Committee
- 2011 – 2019 Chairman, Department Search Committee
- 2011 – 2019 Coordinator, Undergraduate Program for Removable Prosthodontics

Awards

- 2009 National Day Award – The Long Service Medal
- 2019 Honorary Fellow

Many would remember the Faculty's move from the old NUH facilities to the Interim Building in front of Anatomy Building. This was the Faculty's second physical move, the first being the move from Singapore General Hospital to the National University Hospital in 1986. Prof Keng was pivotal in steering the team to plan, coordinate and oversee the design, construction and relocation to the interim building within the stipulated timeframe of nine months.

Retirement

