

CURRICULUM VITAE
University of Alabama at Birmingham School of Dentistry
KYOUNGA CECILIA CHEON, DMD, MS

ACADEMIC POSITION

Rank: Assistant Professor
Title: Interim Director, Pre-Doctoral Program Director
Acting Director, Pediatric Dental Clinic
Department: Pediatric Dentistry, School of Dentistry (SOD), UAB
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CURRENT APPOINTMENTS

Assistant Professor
Pediatric Dentistry, SOD, UAB

EDUCATION:

December 2010 Master of Science in Oral Biology
Thesis Title: "Diversity, Commonality, and Stability of Mutans Streptococci in High Caries Risk Children" University of Alabama at Birmingham, Birmingham, AL

June 2010 Certificate in Pediatric Dental Residency
UAB SOD, Birmingham, AL

January 1998 Certificate in Orthodontics
Korean Orthodontic Research Institute, Seoul, Korea

January 1996 Doctor of Dental Medicine
Kyung Hee Dental College, Kyung Hee University, Seoul, Korea

POSTDOCTORAL TRAINING:

July 2010- May 2013 T32 SOD DART, Post-Doctoral Trainee, Clinical Microbiology, Institutional Oral Health Research, SOD, UAB, AL

PROFESSIONAL HISTORY

Academic Appointments:

2018- Present Interim Director, Pre-Doctoral Program Director
Acting Director, Pediatric Dental Clinic, SOD, UAB

2017- Present Assistant Professor,
Department of Pediatric Dentistry, SOD, UAB

2013- Present UAB Graduate Faculty, UAB

2013- 2017	Instructor, Department of Pediatric Dentistry, SOD, UAB
2012- 2013	Adjunct Professor in the Department of Pediatric Dentistry, Kyung Hee School of Dentistry, Seoul, KOREA
2010- Present	Adjunct Instructor & NIDCR DART T32 Post-Doctoral Trainee, Department of Pediatric Dentistry, SOD, UAB
2008- 2010	Resident & Teaching Assistant, Department of Pediatric Dentistry, SOD, UAB
2007- 2010	Graduate students for master's degree of Oral Biology, SOD, UAB
1998	Lecturer, the Course of " <i>Advanced Orthodontic Cephalometrics</i> " Shenyang, China
1997- 1999	Orthodontist, Orthodontic Clinic; Seoul, Korea

Non-Academic Employment:

2001-2006	Research Assistant, M.D. Anderson Cancer Center, Houston, Texas
1998-1999	Practitioner, Private Orthodontic Practice, Seoul, Korea

SERVICE AND RECOGNITIONS**Awards And Honors:**

2019	Invited Speech, AADR Donor Session, 2019 IADR, Vancouver, Canada
2019	National Center for Faculty Development's Faculty Success Program (Summer Program): www.facultydiversity.org , Represented SOD
2019	ADA Give Kids A Smile Annual Event featured at UAB Media and Fox News
2018	The PlosOne publication was featured at UAB Media, PhysicsWorld, and Dental Tribune
2018	AAADR Anne D. Haffajee Fellowship (2018-2019)
2017	NIH/NIDCR K08, Mentored Clinical Scientist Research Career Development Award (2017-2022)
2017	Faculty Development Grant Program, UAB (2017-2018)
2015	NIH/NIDCR Award, Loan Repayment Program Renewal (2015-2016)
2014	Faculty Fellows in Engaged Scholarship Program, UAB
2014	Faculty Development Grant Program, UAB
2013	NIH/NIDCR Award, Loan Repayment Program (2013-2015)
2012	Honorable mention Clinical research, Annual Scholars Day, UAB SOD
2011	Fellowship, 1st NIGMS-funded Short Course on Statistical Genetics and Genomics, School of Public Health
2011	Finalist for 2011 NuSmile Graduate Student Research Award Competition, American Association of Pediatric Dentistry
2011	3 rd place in Clinical Research, Annual Scholars day, UAB SOD
2010	Selected as a NRSA T32 Trainee, Post-Doctoral Fellow, UAB
2010	Rahemtulla Endowed Scholarship Award, UAB SOD
2009	Dean's Travel Award for 2010 AADR, UAB SOD
2009	Graduate School Fellowship, UAB SOD
2008	Dean's Travel Award for 2009 AADR/IADR, UAB SOD
2008	Selected as a trainee, K30-CCTS, UAB
2007	Dean's Travel Award for 2008 AADR, SOD, UAB
2007	Graduate School Fellowship, UAB SOD

2007 Scholarship, Master's degree of Oral Biology, UAB SOD
 1990-1995 Merit-based University Scholarship, Kyung Hee University, Seoul, Korea

Professional/Scientific Organization Memberships:

2015- Present Korean-American Scientists and Engineering Association
 2010- Present American Dental Education Association
 2008- Present International Association of Dental Research
 2008- Present American Association of Dental Research
 2008- Present Southeastern Society of Pediatric Dentistry
 2008- Present American Academy of Pediatric Dentistry
 2008- Present American Dental Association
 1996- Present Korean Orthodontic Research Institute
 1996- Present Korean Dental Association

Extramural Service:

- A. Professional Advisory Committees: 2018-2021, AADR Fellowships Committee
- B. Editorial board memberships: *Journal of Pediatric Dentistry*
- C. Offices Held: NA
- D. Professional Related Community Service
 - 2007- 2015 Participation in Outreach clinics
 - 2007- Present Volunteer for Children Oral Health Education
- E. Other: Review Scientific Articles and Book Chapters
 - 2015- Present Biomedical Engineering Convergence Technologies
 - 2011- Present Journal of Dental Research, International Journal of Pediatric Dentistry, Pediatric Dentistry and Clinical Oral Investigations

Intramural Service:

- A. Committees
 - 2018- Present SOD Electronic Dental Record Committee Monthly Meetings
 - 2015- Present SOD Student Awards and Honors Committee (Sept 2014-August 2019)
- B. Advisory Responsibilities
 - 2017- Present SOD Faculty Calibration Meetings
 - 2017- 2020 Secretary, AADR Alabama Chapter
- C. Administrative Responsibilities
 - 2018- Present Acting Director for PEDO Clinic
 - 2018- Present Interim Director for PEDO-Undergraduate Program
 - 2013- Present SOD PEDO Faculty Meetings
 - 2011- Present SOD Bimonthly Faculty Meetings
 - 2011- Present SOD EXCEL Days: Training Attended
- D. Special Assignments
 - 2019-2020 Member of Research Committee, UAB
 - 2019-2020 UAB Faculty Senator
 - 2018- Present Director, ADA Give Kids A Smile, Alabama Region
 - 2015- Present SOD Scholars Day: Poster Judge
 - 2013- Present Judge for UAB Community Outreach Development Program

TEACHING**Teaching Experience:**

2018-present	D1PreClinical Lab
2016-Present	Lecturer, SOD International Dental Program
2015-Present	Lecturer, SOD Dental Assistant Program
2013-Present	Lecturer, Preclinical Dentistry D1b Spring Semester
2013-Present	Lecturer, Graduate Cariology 583
2010-Present	Clinical Teaching, DENT 3560 Pediatric Dentistry Clinic D3, DENT 4560 Pediatric Dentistry Clinic D4, DENT 3380 Pediatric Dentistry Clinic I, and DENT 4347 Pediatric Dentistry Clinic II
2010-Present	Course Director, Introductory Pediatric Dentistry D2 (DENT 2240)
2010-Present	Instructor for Graduate Pediatric Dentistry Clinic
2008-2010	Teaching assistant for Introductory Pediatric Dentistry (DENT 3167 Pediatric Dentistry I, DENT 3380 Pediatric Dentistry Clinic I, and DENT 4347 Pediatric Dentistry Clinic II)
1996-1998	Instructor for Korean Orthodontic Research Institute, Seoul, Korea

Lectureships and Visiting Professorships**International Invited Lecture:**

2018	Career Development in Dentistry, Won Kwang University, Ik-San, South KOREA
2018	Career Development in Dentistry and Dental Research, Pusan University, PuSan, South KOREA
1998	Lecturer for the Course of “ <i>Advanced Orthodontic Cephalometrics</i> ”, Sen Yang, China

MENTORING ACTIVITIES:**Graduate Committee**

2015-2017	Elvin Bhaskar, Orthodontics, MS
2014-2016	Jamie Kim, Orthodontics, MS
2013-2015	Konstantinos Bakos, MS

Clinical Mentoring

2010- Present	Pediatric Dental Residents, Dental Students
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Research Mentoring-associated with the proposed research project

2019- Present	Donald Ho, Undergraduate, UAB Chemistry
2018- 2019	Dishant Shah, BS, Research Assistant, BME
2017- Present	Jun Chen PhD, Post-Doctoral Fellow, BME
2017- 2018	Catherine M. Porter, BS, Research Assistant, Accepted to UPENN Post-Doctoral Scholar, BME
2016- 2018	David A Cruz Walma, Dental Student, Accepted to NIH/NIDCR Medical Research Scholars Program
2016- 2017	Alexander M Cruz Walma, Pre-Dental Undergraduate Student, Biomedical Engineering (BME), BS, Accepted to Harvard University School of Dental Medicine
2015-2017	Bogeun P Kim, Dental Student
2013-2017	Sagar Kaushik, Research Assistant, Biomedical Engineering, BS

Mentee Awards:

2018	David Cruz Walma-Accepted NIH Student Fellowship
2018	Catherine M. Porter: Honorable mention, SOD Scholar' Symposium
2017	David Cruz Walma: 2nd place in the Clinical - Predoctoral Category, School of Dentistry Scholar' Symposium
2017	Sagar Kaushik: 2 nd place in the Clinical Predoctoral Category, SOD Scholar' Symposium
2016	Sagar Kaushik: School of Dentistry Scholar' Symposium 2 nd place in the Clinical - Predoctoral Category
2015	Sagar Kaushik: Biomedical Engineering Society Graduate Design and Research National Awards

RESEARCH**Major Research Interests:**

My research interest is to develop and evaluate innovative antibiotics and nitric oxide (NO) releasing self-assembled biomimetic nanomatrix gel to improve the outcomes of the regenerative endodontic procedure (REP). The REP attempts to revitalize pulp-dentin tissue by irritating the root apex tissue to form a blood clot into the root canal providing a natural scaffold to support pulp-dentin stem cell proliferation and differentiation. The current REP uses a triple antibiotic mixture as a disinfectant; ciprofloxacin (CF), metronidazole (MN), and tetracycline (e.g. minocycline; MC) with a medicament, calcium hydroxide (Ca(OH)₂), or a sealing material, mineral trioxide aggregates (MTA). However, recent studies utilizing this mixture have reported unfavorable clinical outcomes including; the inability to consistently produce an ideal blood clot, tooth discolorations, high concentrations of intra-canal medicament affecting the apical papilla stem cells, cervical root fractures, inadequate pulp-dentin tissue structure formation and multiple clinic visits. In addition, regenerated tissues in the root canal from the REP are limited to the periodontal tissues (bone-like and cementum-like), and the composition of cells, growth factors, and scaffold are not controllable to promote the pulp-dentin regeneration. In order to achieve the ideal treatment outcomes, an antibiotic and NO releasing biomimetic nanomatrix gel has been developed as a highly innovative strategy of effective root canal disinfection and pulp-dentin complex revitalization. The recently developed self-assembled biomimetic nanomatrix gel has emerged as a highly promising biomaterial for delivering stem cells, growth factors, and antibiotics; providing bioactive microenvironments and can be used as a functional antibiotics delivery system in endodontic infections. Notably, the NO releasing nanomatrix gel has demonstrated significant effects on various biomedical applications with multiple bioactive functions. Likewise, the multifunctional capacity of the antibiotics and NO releasing nanomatrix gel can be applied to regenerative endodontics aiming root canal disinfection with simultaneous recruitment of residential stem cells (e.g. dentin forming cells, vascular cells, and nerve cells) to facilitate regeneration by providing a dental pulp tissue mimicking the extracellular matrix (ECM) environment. This scientific premise is supported by our published *in vitro* studies and other reported *in vitro* and *in vivo* studies. Along with the outcomes of the proposed research, with the acquired knowledge and intensified research skills, I will be able to apply and receive NIH/NIDCR research grants (R03, R21, and R01) successfully in the near future.

In addition, I am continuously involved the data analysis from the previous Uniontown study of investigation of *Streptococcus mutans* genotypes and dental caries to explain the association between genotypic diversity of *S. mutans* and dental caries.

Grant Support:

2019-2020	UAB Global Center for Craniofacial, Oral and Dental Disorders, Promotion of Dental Pulp Stem Cells by Nitric Oxide Releasing Nano Matrix Gel, Role: PI
2018-2020	AADR Anne D. Haffajee Fellowship, Evaluation of Antibiotics and Nitric Oxide Releasing Injectable Biomimetic Nanomatrix Gel in Root Canal Infection, Role: PI, No cost extension to 3/20/2020
2017-2022	NIDCR K08 DE027401, Mentored Clinical Scientist Research Career Development Award Nitric Oxide Releasing Biomimetic Nanomatrix Gel for Root Revitalization, Role: Principal Investigator
2017-2018	UAB Faculty Development Grant Program (July 2017-Oct 2018), Antibiotics and Nitric Oxide Releasing Biomimetic Nanomatrix Gel, Role: Principal Investigator
2015-2016	NIDCR Loan Repayment Program Renewal (July 2015-June 2016) Role: Principal Investigator
2014-2015	UAB Faculty Development Grant Program (July 2014-August 2015), Delivery of a Two Antibiotic Mixture by the Biomimetic Nanomatrix Gel Role: Principal Investigator
2013-2015	NIDCR Loan Repayment Program (July 2013-June 2015) Role: Principal Investigator
2011	Fellowship, 1st NIGMS-funded Short Course on Statistical Genetics and Genomics, School of Public Health, UAB
2011	Finalist for 2011 NuSmile Graduate Student Research Award Competition, American Association of Pediatric Dentistry, New York, USA
2010-2013	National Research Service Award T32 Postdoctoral Training Grant Program (NIH/NIDCR, DART32DE017601/T90DE022736, PI: Mary J. MacDougall), Role: Post-doctoral trainee and clinical instructor in the Department of Pediatric Dentistry
2010	Rahemtulla Endowed Scholarship Award, SOD, UAB, Role: Graduate student
2007-2010	Graduate School Fellowship, UAB SOD, Role: Graduate student (NIH/NIDCR, DE016684, NIH, PI: Noel K. Childers)

BIBLIOGRAPHY:**A. Manuscripts Published**

1. Ju Z, Kapoor M, Newton K, **Cheon K**, Ramaswamy A, Lotan R, Strong LC, Koo JS. Global detection of molecular changes reveals concurrent alteration of several biological pathways in nonsmall cell lung cancer cells. *Mol Genet Genomics*. 2005;274:141-154

2. Aggarwal S, Kim SW, **Cheon K**, Tabassam FH, Yoon JH, Koo JS. Nonclassical action of retinoic acid on the activation of the camp response element-binding protein in normal human bronchial epithelial cells. *Mol Biol Cell*. 2006;17:566-575
3. Kim SW, **Cheon K**, Kim CH, Yoon JH, Hawke DH, Kobayashi R, Prudkin L, Wistuba II, Lotan R, Hong WK, Koo JS. Proteomics-based identification of proteins secreted in apical surface fluid of squamous metaplastic human tracheobronchial epithelial cells cultured by three-dimensional organotypic air-liquid interface method. *Cancer Res*. 2007;67:6565-6573
4. **Cheon K**, Moser SA, Whiddon J, Osgood RC, Momeni S, Ruby JD, Cutter GR, Allison DB, Childers NK. Genetic diversity of plaque mutans streptococci with rep-pcr. *J Dent Res*. 2011;90:331-335
5. Momeni SS, Whiddon J, Moser SA, **Cheon K**, Ruby JD, Childers NK. Comparative genotyping of *streptococcus mutans* by repetitive extragenic palindromic polymerase chain reaction and multilocus sequence typing. *Mol Oral Microbiol*. 2013;28:18-27
6. **Cheon K**, Moser SA, Wiener HW, Whiddon J, Momeni SS, Ruby JD, Cutter GR, Childers NK. Characteristics of *streptococcus mutans* genotypes and dental caries in children. *Eur J Oral Sci*. 2013;Jun;121:148-155
7. Momeni SS, Patrick P, Wiener HW, Cutter GR, Ruby JD, **Cheon K**, Whiddon J, Moser SA, Childers NK. Mutans Streptococci Enumeration and Genotype Selection using Different Bacitracin-containing Media. *J Microbiol Methods*. 2014; Aug; 103:53-7.
8. Kaushik S, Scoffield J, Andukuri A, Alexander G, Walker T, Kim S, Choi S, Brott B, Eleazer P, Lee J, Wu H, Childers N, Jun H, Park J, **Cheon K**. Evaluation of Ciprofloxacin and Metronidazole Encapsulated Biomimetic Nanomatrix Gel on *Enterococcus faecalis* and *Treponema denticola*. *Biomaterials Research*. 2015; Jun;19:9.
9. Momeni SS, Whiddon J, **Cheon K**, Moser SA, Childers NK. Assessment of Clonality and Serotypes of *Streptococcus mutans* among children by Multilocus Sequence Typing. *Eur J Oral Science*. 2015; Dec;123(6):416-24.
10. Momeni SS, Whiddon J, **Cheon K**, Moser SA, Childers NK. Assessment of two multilocus sequence typing (MLST) schemes available for *Streptococcus mutans*. *Arch Oral Biol* 2015; Dec;60(12):1769-76.
11. Kaushik S, Kim B, Walma AC, Choi S, Wu H, Mao JJ, Jun H, **Cheon K**. Biomimetic microenvironments for regenerative endodontics, *Biomaterials Research*, 2016; Jun 2;20:14. doi: 10.1186/s40824-016-0061-7.
12. Momeni SS, Whiddon J, **Cheon K**, Ghazal T, Moser SA, Childers NK. Genetic Diversity and Evidence for Transmission of *Streptococcus mutans* by DiversiLab rep-PCR, *J Microbiol Methods*, 2016; Sep;128:108-17.
13. Childers NK, Momeni SS, Whiddon J, **Cheon K**, Cutter GR, Wiener HW, Ghazal T, Ruby JD, Moser SA. Association Between Early Childhood Caries and Colonization with *Streptococcus mutans* Genotypes from Mothers. *Pediatr Dent*. 2017 Mar 15;39(2):130-135.
14. Ko SJ, Seo JY, Kwon YD, **Cheon K**, Park JH. Orthodontic Treatment in Conjunction with Twin-Block Treatment and Growth Hormone Therapy in Silver Russell Syndrome. *J Clin Pediatr Dent*. 2017; 41(5):392-397
15. Moon CY, Nam OH, Kim M, Lee HS, Kaushik SN, Cruz Walma DA, Jun HW, **Cheon K**, Choi SC. Effects of the nitric oxide releasing biomimetic nanomatrix gel on pulp-dentin regeneration: Pilot study. *PLoS One*. 2018 Oct 11;13(10):e0205534
16. Chen J, Deng L, Porter C, Alexander G, Patel D, Vines J, Zhang X, Chasteen-Boyd D, Sung HJ, Li YP, Javed A, Gilbert S, **Cheon K**, Jun HW. Angiogenic and Osteogenic Synergy of Human Mesenchymal Stem Cells and Human Umbilical Vein Endothelial Cells Cocultured on a Nanomatrix. *Sci Rep*. 2018 Oct 24;8(1):15749.

- Nam OH, **Cheon K**, Kim MS, Lee HS, Choi SC. Evaluation of the periodontal and pulpal healing of replanted rat molars with doxycycline root conditioning. *J Periodontal Implant Sci.* 2019 Jun;49(3):148-157

B. Manuscripts in Preparation

- McDougall M, Wu Y, **Cheon K**, Aponte-Wesson R, Mitchell S, and Dong J. ENAM Missense Mutation in Autosomal Recessive Hypoplastic Amelogenesis Imperfecta. To be submit to *Medical Genetics* 2019

C. Abstracts: Presented at Scientific Meetings: in poster or oral presentation

- Cheon K**, Moser SA, Whiddon J, Osgood RC, Momeni SS, Rahima B, Ruby JD, and Childers NK. Mutans streptococci genotyping by high throughput rep-PCR AADR Annual Meeting 2008, Dallas, TX, USA
- Cheon K**, Moser SA, Whiddon J, Osgood RC, Momeni SS, Rahima B, Ruby JD, and Childers NK. Diversity and stability of mutans streptococci genotype in children, IADR Annual Meeting 2008, Toronto, Canada
- Cheon K**, Moser SA, Whiddon J, Osgood RC, Momeni SS, Cutter GR, Ruby JD, and Childers NK. Detection of *S. mutans* genotypes by sample type in children, AADR Annual Meeting 2009, Miami, FL, USA
- Cheon K**, Wiley T, Whiddon J, Momeni SS Moser SA, Cutter GR, Ruby JD, and Childers NK. Genotypic Characteristics of Mutans Streptococci in High Caries Risk Children, AADR Annual Meeting 2010, Washington. D.C., USA
- Cheon K**, McDougall M, Aponte-Wesson R, Mitchell S, Childers NK, Jackson J, and Thornton JB. Comprehensive Dental Management of an Amelogenesis Imperfecta Patient, AAPD Annual Meeting 2010, Chicago, IL, USA
- Cheon K**, Doppalapudi N, Whiddon J, Momeni SS, Moser SA, Ruby JD, and Childers NK. Characteristics of MS Genotypes in High Caries Risk Children, IADR Annual Meeting 2011, San Diego, CA, USA
- Amin S, Moser SA, Ruby JD, Whiddon J, Momeni SS, **Cheon K**, Cutter GR, Wiener HW, and Childers NK. MS Genotypes and Caries Activity Among Children and Family Members IADR Annual Meeting 2011, San Diego, CA, USA
- Cheon K**, Moser SA, Whiddon J, Momeni SS, Kempf M-C, Wiener HW, Ruby JD, and Childers NK. *Streptococcus mutans* Genotypes Associated with Caries among High Risk Children, AAPD Graduate Student Research Award Annual Meeting 2011, New York, USA
- Cheon K**, Doppalapudi N, Whiddon J, Momeni SS, Moser SA, Ruby JD, and Childers NK. S-IgA Associated with *Streptococcus mutans* and Caries in Children, AADR Annual Meeting 2012, Tampa, FL, USA
- Cheon K**, Moser SA , Whiddon J, Momeni SS, Wiener HW, Cutter GR, and Childers NK, *Streptococcus mutans* Commonality between Children and Household Family Members, IADR Annual Meeting 2013, Seattle, WA, USA
- Momeni SS, Whiddon J, **Cheon K**, Moser SA, Ruby JD, and Childers NK, Comparison of Multilocus Sequencing Typing Schemes Available for *Streptococcus mutans*, IADR Annual Meeting 2013, Seattle, WA, USA
- Cooper D, **Cheon K**, Michalek S, Wiener HW, Cutter GR, and Childers NK, Antibody Activity Against Cariogenic Bacteria in Parotid and Whole Saliva, IADR Annual Meeting 2013, Seattle, WA, USA
- Amin S, Moser SA, Whiddon J, Momeni SS, **Cheon K**, Wiener HW, and Childers NK, MS Genotypes Stability Among Children and Family Members, IADR Annual Meeting 2013, Seattle, WA, USA
- Momeni SS, Whiddon J, **Cheon K**, Moser SA, Ruby JD, and Childers NK, Comparison of Streptococcus mutans rep-PCR Genotypes using Multilocus Sequence Typing, AADR Annual Meeting, 2014, Charlotte, NC, USA

15. Momeni SS, Whiddon J, **Cheon K**, Moser SA, Ruby JD, and Childers NK, Evaluation of *Streptococcus mutans* Multilocus Sequencing Typing Schemes for Comparative analysis with Repetitive Extragenic Palindromic PCR, ASM 2014 Annual Meeting, Boston, MA, USA
16. Walker T, Kaushik S, Park J, Scoffield J, Andukuri A, Alexander G, Eleazer P, **Cheon K**, Jun H. Efficacy of a Self-Assembled Biomimetic Nanomatrix Gel Encapsulating Ciprofloxacin and Metronidazole on Endodontic-Related Infectious Bacteria (Poster), ABRCM, Nov 2014, San Antonio, TX, USA
17. Kaushik S, Scoffield J, Andukuri A, Alexander G, Walker T, Kim S, Choi S, Brott B, Eleazer P, Lee J, Wu H, Childers N, Jun H, Park J, **Cheon K**. Evaluation of Ciprofloxacin and Metronidazole Encapsulated Biomimetic Nanomatrix Gel on *Enterococcus faecalis* and *Treponema denticola* (Poster), UAB BME Symposium, March 2015, Birmingham, AL, USA
18. Childers NK, Moser SA, **Cheon K**, Cutter GR, Wiener HW, Momeni S, Whiddon J, Bassett RP, Ruby JD. Maternal *Streptococcus mutans* is associated with Early Childhood Caries (Oral) IADR, March 2015, Boston, MA, USA
19. Momeni SS, Whiddon J, **Cheon K**, Moser SA, Childers NK. Clonality of *Streptococcus mutans* in Children by Multilocus Sequence Typing (Poster) IADR, March 2015, Boston, MA, USA
20. Kaushik S, Scoffield J, Choi S, Park J, Jun H, **Cheon K**. Antibacterial Activity of Injectable Biomimetic Nanomatrix Gel in Root Canal Infection (Poster), US-Korea Conference, July 2015, Atlanta, GA, USA
21. Kaushik S, Scoffield J, Alexander G, Andukuri A, Walker T, Choi S, Brott B, Jun H, Park J, **Cheon K**. Evaluation of Ciprofloxacin, Metronidazole Encapsulated Injectable Self-Assembled Biomimetic Nanomatrix Gel on *Enterococcus faecalis* and *Treponema denticola* (oral). Biomedical Engineering Society Annual Meeting, October 7-10, 2015 in Tampa, FL, USA
22. Kaushik S, Scoffield J, Kim B, Choi S, Jun H, **Cheon K**. Antibiotics Encapsulated Nitric Oxide Releasing Biomimetic Nanomatrix Gel in Root Canal Infection, UAB SOD Scholars Day, Birmingham, Alabama, March 2, 2016
23. Kaushik S, Scoffield J, Kim B, Walma AC, Choi S, Jun H, **Cheon K**. Antibiotics Encapsulated Nitric Oxide Releasing Biomimetic Nanomatrix Gel in Root Canal Infection, UAB BME Research Symposium, Birmingham, Alabama, March 31, 2016
24. Kaushik S, Kim B, Walma AC, Scoffield J, Choi S, Mao JJ, Wu H, Jun H, **Cheon K**. Antibacterial and Cellular Effects of Nitric-Oxide Releasing Biomimetic Nanomatrix Gel. (Poster) IADR, March 2017, San Francisco, CA, USA
25. **Cheon K**, Porter CM, Walma DC, Mao JJ, Wu H, Jun H. Nitric Oxide Releasing Nanomatrix Gel on Dental Pulp Stem Cells (Poster) AADR, March 2018, Fort Lauderdale, FL, USA
26. Shah D, Mao JJ, Wu H, Jun H, **Cheon K**. Nitric Oxide Nanomatrix Gel on Dental Pulp Stem Cell Promotion, (Poster) IADR, June 2019, Vancouver, British Columbia, Canada