

UBC Dentistry Research Day 2012

Biofilm Disease Dynamics: From Understanding to Eradication

Tuesday, January 24, 2012 • 8:00 am – 3:00 pm
UBC Student Union Building Ballroom

8:00 – 8:40 **REGISTRATION & CONTINENTAL BREAKFAST**

8:40 – 8:50 **WELCOME**

Dr. Charles Shuler, Professor and Dean

INTRODUCTION & OVERVIEW OF THE DAY

Dr. Edward Putnins, Professor and Associate Dean of Research & Graduate/Postgraduate Studies

8:50 – 9:15 **REVIEW OF THE LITERATURE ON ENDODONTIC FAILURES**

Dr. Jeffrey Coil, Assistant Professor, Division of Endodontics, Department of Oral Biological & Medical Sciences

“What are the factors affecting root canal successes and failures?”

9:20-9:45 **APICAL PERIODONTITIS: A BIOFILM DISEASE**

Dr. Markus Haapasalo, Professor and Chair, Division of Endodontics; Head, Department of Oral Biological & Medical Sciences

“What novel microbial biofilm eradication methods are available?”

9:50 – 10:15 **BIOFILM DEVELOPMENT AND MATURATION**

Dr. Ya Shen, Clinical Assistant Professor, Division of Endodontics, Department of Oral Biological & Medical Sciences

“Why are sessile microorganisms in biofilms more resistant to disinfecting agents than planktonic microorganisms?”

10:15 – 10:35 **COFFEE BREAK**

10:40 – 10:55 **POTENTIAL OF PHOTODYNAMICS IN ENDODONTICS**

Dr. Sonja Stojicic, PhD Student, Division of Endodontics, Department of Oral Biological & Medical Sciences

“How can a synergistic use of disinfecting agents enhance photodynamic therapy?”

11:00 – 11:25 **THE ROLE OF MICROBIAL BIOFILMS IN BISPHOSPHONATE-RELATED OSTEONECROSIS OF THE JAWS (BRONJ)**

Dr. Charles Shuler, Professor, Division of Oral Medicine, Oral Diagnosis & Oral Pathology, Department of Oral Biological & Medical Sciences

“Can control of biofilms reduce the incidence of BRONJ?”

11:30 – 11:45 **RESEARCH POSTER AWARDS PRESENTATION**

Dr. Ravindra Shah, Associate Professor and Director, International Relations
Presenting undergraduate and graduate student poster awards.

11:45 – 12:55 **LUNCH (BOX LUNCH PROVIDED) & RESEARCH POSTER VIEWING**

Posters by undergraduate students, graduate students, post-doctoral fellows, research associates, visiting scientists, and faculty members.

1:00 – 1:25 **DENTAL CARIES: A BIOFILM DISEASE AND THE COMMUNITY**

Dr. Rosamund Harrison, Professor and Chair, Division of Pediatric Dentistry,
Department of Oral Health Sciences

“What methods can we use to help control dental caries in at-risk communities?”

1:30 – 2:45 **BIOFILMS: ON THE CUTTING EDGE (KEYNOTE ADDRESS)**

Dr. William Costerton, Center for Genomic Sciences, Pittsburgh, Pennsylvania

“What strategies do biofilm-associated microorganisms utilize to enhance their resistance to antibiotic and human host defenses?”

2:45 – 3:00 **PATIENT OUTCOME & CASE WRAP-UP**

Dr. Mark Parhar, MSc/Diploma in Endodontics Student, Division of Endodontics,
Department of Oral Biological & Medical Sciences