

# Endodontic Topics



## Endodontic Topics

© John Wiley & Sons A/S

[Volume 22, Issue 1 Pages 1 - 136, March 2010](#)

The latest issue of Endodontic Topics is available on [Wiley Online Library](#)

---

### Editorial

**Endodontic biofilm: *Where are we now and where are we going?* (page 1)**

Anil Kishen and Markus Haapasalo

Article first published online: 25 SEP 2012 | DOI: 10.1111/j.1601-1546.2012.00282.x

---

### Original Articles

**Bacterial biofilm: structure, function, and antimicrobial resistance (pages 2–16)**

Delphine Dufour, Vincent Leung and Céline M. Lévesque

Article first published online: 25 SEP 2012 | DOI: 10.1111/j.1601-1546.2012.00277.x

**Keeping the bad bacteria in check: interactions of the host immune system with oral cavity biofilms (pages 17–32)**

Mark L. Lang, Lin Zhu and Jens Kreth

Article first published online: 25 SEP 2012 | DOI: 10.1111/j.1601-1546.2012.00278.x

**Biofilms in endodontic infection (pages 33–49)**

José F. Siqueira, Isabela N. Rôças and Domenico Ricucci

Article first published online: 25 SEP 2012 | DOI: 10.1111/j.1601-1546.2012.00279.x

**Biofilm–substrate interaction: from initial adhesion to complex interactions and biofilm maturity (pages 50–57)**

Robert M. Love

Article first published online: 25 SEP 2012 | DOI: 10.1111/j.1601-1546.2012.00280.x

**Biofilm models and methods of biofilm assessment (pages 58–78)**

Anil Kishen and Markus Haapasalo

Article first published online: 25 SEP 2012 | DOI: 10.1111/j.1601-1546.2012.00285.x

**Current therapeutic options for endodontic biofilms (pages 79–98)**

Markus Haapasalo and Ya Shen

Article first published online: 25 SEP 2012 | DOI: 10.1111/j.1601-1546.2012.00281.x

**Advanced therapeutic options for endodontic biofilms (pages 99–123)**

Anil Kishen

Article first published online: 25 SEP 2012 | DOI: 10.1111/j.1601-1546.2012.00284.x

---

### Biographies

**DELPHINE DUFOUR, BSC, MSC, PHD, Post-Doctoral Fellow, Dental Research Institute, Faculty of Dentistry, University of Toronto, Toronto, Canada (page 124)**

Delphine Dufour

Article first published online: 25 SEP 2012 | DOI: 10.1111/j.1601-1546.2012.00283.x

**MARKUS HAAPASALO, DDS, DR ODONT, FRCDC, Professor and Chair, Division of Endodontics, Head, Department of Oral Biological & Medical Sciences, Faculty of Dentistry, University of British Columbia, Vancouver, Canada (page 125)**

Markus Haapasalo

Article first published online: 25 SEP 2012 | DOI: 10.1111/j.1601-1546.2012.0283\_2.x

**ANIL KISHEN, BDS, MDS, PHD, Associate Professor and Head, Discipline of Endodontics, Faculty of Dentistry, University of Toronto, Toronto, Canada (page 126)**

Anil Kishen

Article first published online: 25 SEP 2012 | DOI: 10.1111/j.1601-1546.2012.0283\_3.x

**JENS KRETH, PHD, Assistant Professor, Department of Microbiology & Immunology, Adjunct Assistant Professor of Oral Biology, College of Dentistry, University of Oklahoma Health Sciences Center, Oklahoma City, OK, USA (page 127)**

Jens Kreth

Article first published online: 25 SEP 2012 | DOI: 10.1111/j.1601-1546.2012.0283\_4.x

**MARK L. LANG, PHD, Assistant Professor, Department of Microbiology & Immunology, University of Oklahoma Health Sciences Center, Oklahoma City, OK, USA (page 128)**

Mark L. Lang

Article first published online: 25 SEP 2012 | DOI: 10.1111/j.1601-1546.2012.0283\_5.x

**VINCENT LEUNG, BSC (HONS), Graduate Student, Dental Research Institute, Faculty of Dentistry, University of Toronto, Toronto, Canada (page 129)**

Vincent Leung

Article first published online: 25 SEP 2012 | DOI: 10.1111/j.1601-1546.2012.0283\_6.x

**CÉLINE M. LÉVESQUE, BSC, MSC, PHD, Canada Research Chair in Oral Microbial Genetics, Dental Research Institute, Faculty of Dentistry, University of Toronto, Toronto, Canada (page 130)**

Céline M. Lévesque

Article first published online: 25 SEP 2012 | DOI: 10.1111/j.1601-1546.2012.0283\_7.x

**ROBERT M. LOVE, BDS, MDS, PHD, FRACDS, Professor and Head, Department of Oral Diagnostic & Surgical Sciences, University of Otago, Dunedin, New Zealand (page 131)**

Robert M. Love

Article first published online: 25 SEP 2012 | DOI: 10.1111/j.1601-1546.2012.0283\_8.x

**DOMENICO RICUCCI, MD, DDS, Private Practitioner, Rome, Italy (page 132)**

Domenico Ricucci

Article first published online: 25 SEP 2012 | DOI: 10.1111/j.1601-1546.2012.0283\_9.x

**ISABELA N. RÔÇAS, DDS, MSC, PHD, Adjunct Professor, Department of Endodontics, Head, Molecular Microbiology Laboratory, Estácio de Sá University, Rio de Janeiro, Brazil (page 133)**

Isabela N. Rôças

Article first published online: 25 SEP 2012 | DOI: 10.1111/j.1601-1546.2012.283\_10.x

**YA SHEN, DDS, PHD, Assistant Professor, Division of Endodontics, Department of Oral Biological & Medical Sciences, Faculty of Dentistry, University of British Columbia, Vancouver, Canada (page 134)**

Ya Shen

Article first published online: 25 SEP 2012 | DOI: 10.1111/j.1601-1546.2012.283\_11.x

**JOSÉ F. SIQUEIRA JR, DDS, MSC, PHD, Professor and Chairman, Department of Endodontics, Estácio de Sá University, Rio de Janeiro, Brazil (page 135)**

José F. Siqueira

Article first published online: 25 SEP 2012 | DOI: 10.1111/j.1601-1546.2012.283\_12.x

**LIN ZHU, PHD, DDS, College of Dentistry, University of Oklahoma Health Sciences Center, Oklahoma City, OK, USA (page 136)**

Lin Zhu

Article first published online: 25 SEP 2012 | DOI: 10.1111/j.1601-1546.2012.283\_13.x