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International Association for Dental Research

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S. Jeffrey Dixon Received the 2018 IADR Distinguished Scientist Award in Research in Oral Biology

Alexandria, Va., USA – The International Association for Dental Research (IADR) announced S. Jeffrey Dixon, University of Western Ontario, London, Canada, as the 2018 recipient of the IADR Distinguished Scientist Award in Research in Oral Biology. Dixon was recognized at the Opening Ceremonies of the 96th General Session of the IADR, held in conjunction with the IADR Pan European Regional (PER) Congress. The IADR/PER General Session & Exhibition is in London, England at the ExCeL London Convention Center from July 25-28, 2018.

Dixon is a Professor of Physiology and Pharmacology, and Dentistry University of Western Ontario, London, Canada. He received his D.D.S. from the University of Western Ontario and his Ph.D. Oral Biology University of Toronto, Canada, but he also has a background in physics. He completed his B.Sc. in physics at Carleton University, Ottawa, Ontario and his M.Sc. in Biophysics at the University of Western Ontario.

Dixon's research focuses on the cellular and molecular mechanisms underlying the resorption and formation of mineralized tissues in development, during orthodontic tooth movement and in inflammatory diseases such as periodontitis and rheumatoid arthritis. His studies have been supported by the Canadian Institutes of Health Research, pharmaceutical and biotech industries and the Canadian Arthritis Network of Centres of Excellence. Dixon has published 142 papers, 16 book chapters/proceedings and edited one book.

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Among many discoveries, Dixon was the first to use patch-clamp electrophysiological techniques to study osteoclasts and with collaborator Stephen Sims, University of Western Ontario, Dixon has maintained a leading role in the study of ion channels in osteoclasts. Dixon also pioneered studies of osteoclast motility and chemotaxis. He is credited with being the first to discover "a role for extracellular purines in bone biology," when he showed that nucleotides interact with osteoblasts through two P2Y receptors.

Dixon is a member of the IADR Mineralized Tissue Group, a member of the *Journal of Dental Research* Editorial Board and has received the Canadian Association for Dental Research Award of Merit.

Sponsored by Church & Dwight Company, the Research in Oral Biology Award is one of the 17 IADR Distinguished Scientist Awards and is one of the highest honors bestowed by IADR. The award consists of a monetary award and plaque and recognizes outstanding research in the field of oral biology.

About the International Association for Dental Research

The International Association for Dental Research (IADR) is a nonprofit organization with over 10,800 individual members worldwide, dedicated to: (1) advancing research and increasing knowledge for the improvement of oral health worldwide, (2) supporting and representing the oral health research community, and (3) facilitating the communication and application of research findings. To learn more, visit www.iadr.org.