

Brad K. Rodu, DDS

Profile:

Education/Training

Ohio State University, Columbus, Ohio, Pre-Dentistry, 1974-1974.

D.D.S., Ohio State University, Columbus, Ohio, Dentistry, 1974-1977.

Resident, Ohio State University, Columbus, Ohio, Oral Pathology, 1977-1978.

Resident, Emory University, Atlanta, Georgia, Oral Pathology, 1978-1979.

Research and Professional Experience

1979-1981

NCI Clinical Associate in Oncology

ACS Clinical Fellowship

University of Alabama at Birmingham

1981-1985

Assistant Professor, Department of Pathology; Associate Scientist, Comprehensive Cancer Center

University of Alabama at Birmingham

1981-1996

Director, Dental Oncology Service, Comprehensive Cancer Center

University of Alabama at Birmingham

1982-2005

Medical and Dental Staff, Pathology Service

University of Alabama at Birmingham

1984-2005

Assistant Professor, Department of Radiation Oncology

University of Alabama at Birmingham

1985-1997

Associate Professor, Department of Pathology; Scientist, Comprehensive Cancer Center

University of Alabama at Birmingham

1990-1996

Director, Oral Pathology Graduate Program

University of Alabama at Birmingham

1991-2005

Professor of Dentistry, School of Dentistry

University of Alabama at Birmingham

1997-2005

Professor, Department of Pathology; Senior Scientist, Comprehensive Cancer Center

University of Alabama at Birmingham

2005-Present

Professor, Department of Medicine

University of Louisville

2005-Present

Senior Scientist, James Graham Brown Cancer Center

University of Louisville

**Photo
Coming
Soon**

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Current Research Interests:

Dr. Rodu's research focus has been on tobacco harm reduction, involving the substitution of safer tobacco products for smokers who are unable or unwilling to quit smoking with conventional cessation methods. His published research includes epidemiologic models regarding life expectancy of tobacco users, prevalence studies of tobacco use and adverse health consequences in Sweden, and laboratory analyses of tobacco products.

Representative Publications:

Ebbinghaus SW, Gee JE, **Rodu B**, Mayfield CA, Sanders G, Miller DM: Triplex formation inhibits HER-2/neu transcription in vitro. *J Clin Invest* 92:2433-2439, 1993.

Campbell VW, Davin D, Thomas S, Jones DJ, Roesel J, Tran-Paterson R, Mayfield CA, **Rodu B**, et al: The G-C specific DNA binding drug, mithramycin, selectively inhibits transcription of the c-myc and c-ha-ras genes in regenerating liver. *Am J Med Sci* 307:167-172, 1994.

Mayfield C, Ebbinghaus S, Gee J, Jones D, **Rodu B**, Squibb M, Miller D: Triplex formation by the human Ha-ras promoter inhibits Sp1 binding and in vitro transcription. *J Biol Chem* 269:18232-18238, 1994.

Tilashalski K, **Rodu B**, Mayfield C: Assessing the nicotine content of smokeless tobacco products. *JADA* 125:590-594, 1994.

Rodu B: An alternative approach to smoking control. *Am J Med Sci* 308:32-34, 1994.

Rodu B, Cole P: Tobacco-related mortality. *Nature* 370:184, 1994.

Allen CM, Damm D, Neville B, **Rodu B**, et al: Necrosis in benign salivary gland neoplasms: Not necessarily a sign of malignant transformation. *Oral Surg* 78:455-461, 1994.

Rodu B: Oral pathology. In: Barnes CM, Waring MB (eds), *Review of Dental Hygiene*. Appleton and Lange, 1994.

Garver RI Jr, Goldsmith KT, **Rodu B**, Hu P-C, Sorscher EJ, Curiel DT: Strategy for achieving selective killing of carcinomas. *Gene Therap* 1:46-50, 1994.

Rodu B, Cole P: Excess mortality in smokeless tobacco users not meaningful. *Am J Public Health* 85:118, 1995.

Vigneswaran N, Tilashalski K, **Rodu B**, Cole P: Tobacco use and cancer: A reappraisal. *Oral Surg* 80:178-182, 1995.

Tilashalski K, Lozano K, **Rodu B**: Modified tobacco use as a risk-reduction strategy. *J Psychoactive Drugs* 27:173-175, 1995.

Rodu B: For Smokers Only: How Smokeless Tobacco Can Save Your Life. Salzburger and Graham Publishing, Ltd., NY, 1995.

Rodu B: Smokeless tobacco for smoking cessation: A practical harm reduction strategy. *Ohio Dent J* 70:6, 1996.

Rodu B, Cole P: The rewards of smoking cessation. *Epidemiology* 7:111-112, 1996.

- Vigneswaran N, Mayfield CA, **Rodu B**: Influence of GC and AT specific DNA minor groove binding drugs on intermolecular triplex formation in the human c-Ki-ras promoter. *Biochemistry* 35:1106-1114, 1996.
- Cole P, **Rodu B**: Declining cancer mortality in the United States. *Cancer* 78:2045-2048, 1996.
- Meredith R, Salter M, Kim R, Spencer S, Weppelman B, **Rodu B**, Smith J, Lee J: Sucralfate for radiation mucositis: Results of a double-blind randomized trial. *Int J Rad Onc Biol Phys* 37:275-279, 1997.
- Vigneswaran N, Tilashalski KR, Peters GE, Reddy VV, **Rodu BK**: Ulcerated tumor mass involving the right base of the tongue. *Oral Surgery Oral Medicine Oral Pathology Oral Radiology Endodontics* 84:461-464, 1997.
- Sartin EA, Weiss RC, Baird AN, Baird DK, Spano JS, **Rodu B**, Vigneswaran N: Ameloblastic fibrosarcoma in a bull. *J Comp Path* 118:51-55, 1998.
- Tilashalski K, **Rodu B**, Cole P: A pilot study of smokeless tobacco in smoking cessation. *Am J Med* 104:456-458, 1998.
- Delzell E, Beall CB, **Rodu B**, Lees PSJ, Breyse PN, Cole P: Case series investigation of intracranial neoplasms at a petrochemical research facility. *Am J Indust Med* 36:450-458, 1999.
- Rodu B**, and Cole P: Nicotine maintenance for inveterate smokers. *Technology* 6:17-21, 1999.
- Rodu B** and Cole P: The fifty-year decline of cancer in America. *J Clin Oncol* 19:239-241, 2001.
- Rodu B**, Delzell E, Beall C, Sathiakumar N: Mortality among employees at a petrochemical research facility. *Am J Indust Med* 39:29-41, 2001.
- Rodu B**. and Cole P. The impact of the anti-smoking campaign on lung cancer mortality. *Int J Cancer* 97:804-806, 2002.
- Rodu B**. and Cole P. Smokeless tobacco use and cancer of the upper respiratory tract. *Oral Surg* 93:511-515, 2002.
- Rodu B**, Stegmayr B, Nasic S, and Asplund K. Impact of smokeless tobacco use on smoking in northern Sweden. *J Int Med* 252:398-404-2002.
- Rodu B**, Stegmayr B, Nasic S, Cole P, and Asplund K. Evolving patterns of tobacco use in northern Sweden. *J Int Med* 253:660-665, 2003.
- Cole P, **Rodu B**, and Mathisen A. Alcohol-containing mouthwash and oropharyngeal cancer: a review of the epidemiology. *JADA* 134:1079-1088, 2003.
- Rodu B**, Stegmayr B, Nasic S, Cole P, and Asplund K. The influence of smoking and smokeless tobacco use on weight among men. *J Int Med* 255:102-107, 2004.
- Rodu B** and Cole P. The burden of mortality from smoking: comparing Sweden with other countries in the European Union. *Europ J Epidemiol* 19:129-131, 2004.
- Rodu B** and Ou B. The antioxidant properties of tobacco. *Tobacco Science* 44:71-73, 2004.
- Eliasson M, Asplund K, Nasic S, and **Rodu B**. Influence of smoking and snus on the prevalence and incidence of type 2 diabetes amongst men: the northern Sweden MONICA study. *J Int Med* 256:101-110, 2004.
- Rodu B** and Jansson C. Smokeless tobacco and oral cancer: a review of the risks and determinants. *Crit Rev Oral Biol Med* 15:252-263, 2004.
- Tilashalski K, **Rodu B**, and Cole P. Seven year follow-up of smoking cessation with smokeless tobacco. *J Pscyh Drugs* 37:105-108, 2005.
- Stegmayr B, Eliasson M, and **Rodu B**. The decline of smoking in northern Sweden. *Scand J Public Health* 33:321-324, 2005.

Research Projects: