

Chemistry and Molecular Biology Department
and NIH Center for Protease Research
Seminar
February 11, 2008
4:00 pm in Dunbar 152

“Radicals, Selenium, Drugs and Vampires”

Dr. Carl Schiesser

Director, ARC Centre of Excellence for Free Radical and
Professor, Department of Chemistry and Biotechnology,
University of Melbourne, Australia

Abstract

Free radical chemistry has come a long way in a relatively short period of time. Armed with mechanistic and rate constant data, the synthetic practitioner can now apply free radical chemistry to the synthesis of many different classes of target molecule with confidence. This presentation highlights progress made in the understanding and application of free radical reactions at main group higher heteroatoms and demonstrates how this knowledge can be used to construct interesting higher heterocycles, many of which exhibit biological activity. Our recent work in the development of novel antihypertensives will be featured.