

2006

Seventh Kenneth C. Schraut Memorial Lecture (Poster)

University of Dayton. Department of Mathematics

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The Department of Mathematics at the University of Dayton presents

The 7th Annual Kenneth C. Schraut Memorial Lecture

Saturday, November 4, 2006
Science Center Auditorium
12:45 - 1:45 pm

The Role of Biostatistics in Medical Devices:

Making a Difference in People's Lives Every Day

Dr. Gregory Campbell

Director, Division of Biostatistics

Director, Division of Biostatistics,
Food and Drug Administration



Abstract:

Statistics plays a key role in society in general and, in particular, in the fields of biology and medicine. In order for medical products of any significant risk to be approved for market entry in the US, the companies must demonstrate that their products are safe and effective. That is accomplished through clinical trials and other research. Such evidence for each product is submitted to the Food and Drug Administration and reviewed by an interdisciplinary team of scientists, including a statistician. The FDA employs almost 200 statisticians. These biostatisticians review the data, analysis and interpretation from these clinical studies and provide recommendations for decisions that FDA makes concerning the marketability of all kinds of medical products including the wide range of devices. The talk will be appropriate for current students of mathematics as well as the general public.

The 22nd Biennial Alumni Seminar

As in every even-numbered year since 1964, alums of the Department of Mathematics will return to the University of Dayton to gather together and meet with students interested in mathematics. This will give our alums an opportunity to inform students about the professions they are in and how their studies in mathematics relate to their careers.

This year the Seminar will consist of a panel session followed by break-out sessions. During the panel session, professionals representing many careers will be introduced. These professionals will in turn give a brief introduction to specific careers. Break-out sessions will then follow the panel session. In the break-out session, students can meet with the professionals more informally and learn more. In addition to careers, we will include a session on preparation for graduate school and a session on writing resumes and preparing for interviews.

Statistics	Business
Information Technology	Government
Engineering	Teaching
Actuarial Science	Financial Engineering
Mathematics Education	Preparation for Graduate School
Resume Writing/Preparing for Interviews	