



# Faculty Member Profile

**John W. Riesen**

**Emeritus Professor**

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## **Background:**

## **Awards Received:**

- 2000 - 2001 recipient of the First Year Experience Teaching Award at UConn

Dr. Riesen was awarded the USDA Excellence in College and University Teaching Award to click here to view [a photo and excerpt from the program.](#)

## **Research Interests:**

Transgenic pigs as animal models for xenogeneic transplantation: A collaborative project is underway to examine the genetic engineering of porcine tissues to resist the destructive effects of human complement-mediated hyperacute reaction.

The Sertoli Cell and Spermatogenesis: The Sertoli cell plays an important supporting and controlling role in the production of sperm cells. Compensatory hypertrophy/hyperplasia in unilaterally castrated animals has been used as a model system to study spermatogenesis and particularly the role of the Sertoli cell in this process.

Use of Multimedia Background Computer Aided Instruction Modules in Improving Teaching: Instructors must deal with the disparity between the level at which they wish to teach and the level of the least-well-prepared students. This is most difficult in introductory courses, to which freshmen come from very different backgrounds. It is further aggravated in animal science where some students come from a farm background or vocational agricultural high schools and know agricultural vocabulary and concepts. Three multimedia computer aided instruction modules are being developed in an effort to address this problem. These modules will allow less well prepared students to obtain the prerequisite knowledge and allow the class to function at a more advanced level.

## **Recent Publications:**

B.P. Enright, M. Taneja, D. Schreiber, J. Riesen, X.C. Tian, J.E. Fortune, and X. Yang. 2002. Reproductive Characteristics of Cloned Heifers Derived from Adult Somatic Cells. *Biol Reprod* 66:291-296.

Enright, B.P., M. Taneja, D. Schreiber, J. Riesen, X. Tian and X. Yang. 2001. Puberty and Early Follicular Dynamics in Adult Somatic Cell Derived Cloned Heifers. *Theriogenology* 55:267.

Lee, J.W., B.S. Jeong, J. Riesen, T. Hoagland and X. Yang. 2001. Fertilization and Embryonic Development Following Injection of Frozen-thawed Spermatozoon into in vitro Matured Porcine Oocyte. *Theriogenology* 55:506.