

COLIN GUY SCANES

DEGREES

- 1969 Hull University (U.K.) B.Sc. (First Class Honors) in Biological Chemistry & Zoology
1972 University of Wales (U.K.). Ph.D.
1985 Hull University (U.K.) D.Sc.

CITIZENSHIP US

POSITIONS

- 1972–1978 Lecturer in Animal Physiology & Nutrition, University of Leeds, U.K.
1978–1995 Rutgers -The State University of New Jersey (1978 -1982, Associate Professor; 1982 -1987 Professor; 1987 -1995, ProfessorII/Distinguished Professor)
1981–1995 Chairman, Department of Animal Sciences, Rutgers University
1995–2000 Executive Associate Dean/Associate Director
College of Agriculture/Agricultural Experiment Station, Iowa State University
1999–2001 Interim Director, Plant Science Institute
1995 –2004 Professor, Departments of Animal Science and Biomedical Science Iowa State University (with continuing courtesy appointments)
2004 - 2007 Vice President for Research, Mississippi State University
2007 to date Vice Chancellor of Research and Economic Development/Dean of the Graduate School

AWARDS AND HONORS

- 1986 Rutgers University Board of Trustees Excellence Award for Research.
1990 Paper cited as Citation Classic in Current Contents.
1991 Poultry Science Association, Merck Award for Achievement.
1995 Cook College (Rutgers University) Award for Academic Innovation.
1996 Honorary Professor, National Agricultural University of Ukraine.
1997 Cook College (Rutgers University) Team Award - Equine Aging Research.
2000 Iowa Soybean Promotion Board Award for Service to the Industry
2001 Iowa Corn Growers Association Award for Outstanding Achievement (in establishing the Plant Sciences Institute)
2002 Fellow of the Poultry Science Association
2004 Fellow of the American Association for the Advancement of Science
2004 Bouffault International Animal Agriculture Award.

FEDERAL GOVERNMENT SERVICE

- 1982–1984 Member of National Science Foundation—Regulatory Biology Panel
1985 - date Member of USDA Competitive Grants Panels (6 panels, manager of 3)
1988 National Research Council Committee on Animal Growth Biology.
1989–1990 Office of Technology Assessment Panel on Emerging Technologies in Animal Agriculture

- 1991 Review of USDA ARS Avian Physiology Laboratory at Beltsville.
- 1995 Member International Jury for the Belgian National Fund for Scientific Research quinquennial prizes for medical and biological sciences.
- 1995 Review of the USDA ARS (Beltsville) Germ Plasm Laboratory.
- 1999–2001 Member Board of Directors, Sustainable Agriculture and Natural Resource Management Collaborative Research Support Program (SANREM CRSP)
- 2000 - date Invited Presentations to Government agencies, legislators, NGOs, scientists, & journalists on agricultural biotechnology for US Department of Agriculture/US State Department [e.g. at US Embassy in London, Royal Society for Agriculture of England (Stoneley), Nordic countries (Estonia, Finland and Latvia), Saudi Arabia and other members of the Gulf Cooperation Council.
- 2000-2001 DOE Biobased Products and Bioenergy Roadmapping committee

OTHER BOARDS/SERVICE

- 1993 Reviewed all UK government research on animal genetics & reproduction.
- 1999 Member - World Bank group evaluating agricultural research in Ukraine
- 2000 Member Advisory Board of “Iowa Industries of the Future” program
- 2000 Member Iowa Governor’s Life Sciences Advisory Committee
- 2002-2006 Judge for World Food Prize John Chrystal & Ahmanson Intern awards
- 2004-2007 Member - Mississippi University Research Authority (MURA) Board (President - 2004/2005) and Mississippi Research Council Board
- 2005-2007 Research Partnership to Secure Energy for America (RPSEA) - Board
- 2005-2007 EPSCoR Foundation - Board of Directors
- 2006-date Oak Ridge Associated Universities - Board of Directors
- 2007 - date Wisconsin Security Research Consortium
- 2007 - date Wisconsin Biotechnology and Medical Device Association
- 2007 - date Laser Interferometer Gravitational Wave Observatory (LIGO) Oversight Committee with Caltech and MIT

INTERNATIONAL EXPERIENCE (excluding government service)

- 1977 Visiting Fellow at Hungarian Veterinary University, Budapest
- 1984 Visiting Scientist at Volcani Institute, Rehovot, Israel
- 1986 Panama Agricultural Technology Development Project (USAID) Team Leader—Livestock Team
- 1990 NATO Fellowship at Catholic University of Leuven, Belgium
- 1981–date International Scientists Visiting Laboratory for Prolonged Period; includes scientists from Hungary, Ireland, Singapore, France, Canada, Mexico, PRC, Roumania.
- 1991 to date Visiting Professor: Catholic University of Leuven, Belgium (1991); Autonomous University of Mexico (1994)
- 1996 Organizer, Conference on Agriculture and Agricultural Policy (Kiev)
- 2003 to date Invited speaker on biotechnology in China, Hungary and Korea

PROFESSIONAL ACTIVITIES INCLUDE

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| 1984–1992 | International Committee for Avian Endocrinology (Chairman 1984–1988) |
| 1987–date | Member Editorial Board, <i>Domestic Animal Endocrinology</i> , <i>The Journal of Experimental Zoology</i> , <i>Proceedings for the Society of Experimental Biology</i> , <i>Animal Biotechnology</i> , <i>General and Comparative Endocrinology</i> , <i>Critical Reviews in Poultry Biology</i> . |
| 2003 to date | Board International Society for Farm Animal Endocrinology |
| 2004 to date | Editor in Chief Poultry Science |

ADMINISTRATIVE EXPERIENCE

Responsibilities at University of Wisconsin Milwaukee

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| 2007 to date | Vice Chancellor for Research and Economic Development/Dean of the Graduate School with the following responsibilities: <ul style="list-style-type: none"> • Graduate school of 4500 masters and doctoral students; • University's research and economic development programs with research awards growing by over 10% per year. • Oversight of Federal initiatives and research growth initiative with \$9.4 million of increased State support per year. • University Wide Centers and Institutes in social, physical and life sciences and engineering report to the VCR; • Sponsored Programs Administration (proposal preparation, pre and post awards); • Associated responsibilities <ul style="list-style-type: none"> ○ Board of Directors – University of Wisconsin Milwaukee Research Foundation responsible for licensing university intellectual property ○ Metropolitan Milwaukee Advanced Manufacturing Council ○ Greater Milwaukee Water Industries Cluster Council ○ University of Wisconsin Milwaukee Research Foundation Board |
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Responsibilities at Mississippi State University

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| 2004 - 2007 | Vice President for Research with the following responsibilities: <ul style="list-style-type: none"> • Establishing Research Priorities for Federal and other initiatives; • Oversight of the University's \$150 research budget; • University Wide Centers and Institutes in social, physical and life sciences and engineering report to the VP Research and Graduate Studies; • Sponsored Programs Administration; • Faculty Start-up packages; • Research Compliance (e.g. Human subjects, Animal Use, Ethical conduct of research); • Laboratory animal care; • Health and human safety (radiation, biological agents, chemical waste etc.); |
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- Research commercialization, technology based economic development and the research park.
 - Member of the university strategic planning committee.
- 2004 - 2007 President Mississippi State University Research and Technology Corporation [This 501/3C corporation holds equity in MSU University spin-off companies and developed a \$5.0 million small business incubator]

Responsibilities at Iowa State University

- 1995–2000 Executive Associate Dean/Associate Director – “internal dean” with responsibility for teaching, research and extension budgets (\$97M). Worked with national and state governments (e.g. Iowa Department of Economic Development).
- 1998–2001 Member, Board of Directors/Executive committee, National Alliance for Food Safety (a partnership of 19 universities + USDA ARS)
- 1999–2001 Member - National Agricultural Biotechnology Council (NABC)
- 1999–2000 Interim Director, Plant Sciences Institute
- Developed University wide initiative to propel university to be among the very best in plant sciences.
 - \$98 M endowment, increased state funding by \$5M/per year and increased grant funding by \$12M/year
 - Established new centers in genomics & bioinformatics.
 - New laboratory building funded and completed.
 - New strategic partnerships including Midwest Consortium for Sustainable Biobased products and Bioenergy [with Argonne National Laboratory, University of Illinois, Urbana-Champaign, Michigan State University, and Purdue University; Fudan University (Shanghai), Frei Universitat Berlin, University of Bristol, UK.

Administrative Responsibilities at Rutgers University

- Chair, Department of Animal Science (1981–1995) developing a strong research program from "scratch"; increasing quality of instruction at the undergraduate & graduate levels and improving the diversity of the students (to 35% African American and Hispanic)
- Founding Director, Center for Animal Damage Control (1994–1995).
- Member of 21 university-wide committees, including animal care (chair, 1987–1989), research, budget, planning, and athletics oversight committee; 13 college committees including strategic planning, department chairs, research, student life, honors, appointment/promotions; and 10 search committees for administrative positions.
- Elected to Faculty Council and as Chair of the Faculty Council

TEACHING

Iowa State University

Undergraduate - 4 courses per year: *Graduate* – 1 course per year

Major Advisor to Graduate Students 1 M. S. Graduates; 1 Ph.D. Graduates

Rutgers University

Undergraduate – 2.5 courses per year (freshman to senior); *Graduate* – 1.5 course per year
Major Advisor to Graduate Students 9 M. S. Graduates; 15 Ph.D. Graduates; 8 Post Docs.

Mississippi State University

Major Advisor to Graduate Students 1 Ph.D. student.

Research and Scholarship

Publications

Books 12

Reviews/chapters 70

Refereed papers 271

Abstracts >220

Other publications 28

Grants and Contracts

1. Competitive Federal and Industry Research Funding (1979–2004):

- Private Industry \$794,000
- National Institute of Health \$128,000
- National Science Foundation \$669,000
- United States Department of Agriculture \$864,000

2. Other Grants (1995-2004)

United States Department of Agriculture special grants, ARS cooperative agreements,
commodity groups etc. (Iowa State University) \$6.8million

3. Grants to Mississippi State University with CGS as P.I. (2004 - 2007)

- National Science Foundation (EPSCoR) \$8.95 million
- Other grants \$125,000
- Land gift ~\$1.5 million