BIOGRAPHICAL SKETCH

NAME: Womack, James E.  
POSITION TITLE: Professor

EDUCATION/TRAINING

<table>
<thead>
<tr>
<th>INSTITUTION AND LOCATION</th>
<th>DEGREE</th>
<th>YEAR CONFERRED</th>
<th>FIELD OF STUDY</th>
</tr>
</thead>
<tbody>
<tr>
<td>Abilene Christian College</td>
<td>B.S.</td>
<td>1964</td>
<td>Mathematics Ed.</td>
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<tr>
<td>Oregon State University</td>
<td>Ph.D.</td>
<td>1968</td>
<td>Genetics</td>
</tr>
</tbody>
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Professional Experience
1968-1971 Assistant Professor, Abilene Christian College  
1971-1973 Associate Professor, Abilene Christian College  
1973-1975 Visiting Scientist, The Jackson Laboratory  
1975-1977 Staff Scientist, The Jackson Laboratory  
1977-1983 Associate Professor, Texas A&M University  
1983- Professor, Veterinary Pathology, Texas A&M University  
1987- W.P. Luse Professor, Texas A&M University  
1989-1996 Director, Center for Animal Genetics, Institute of Biosciences & Technology  
1990-1993 Interim Assistant Department Head, Department of Veterinary Pathobiology, Texas A&M University  
2001-Present Distinguished Professor, Texas A&M University  
Director, Center for Animal Biotechnology and Genomics, Texas A&M University

Honors and Awards
Alumni Citation Award, Abilene Christian University, 1983  
Beecham Award for Research Excellence, 1986  
Faculty Distinguished Achievement Award for Research, Texas A&M University, 1987  
Carrington Award for Research in Cell Biology, 1990  
McMaster Fellow, CSIRO, Australia, 1990  
Faculty of Genetics Research Award, 1993  
CIBA Prize for Research in Animal Health, 1993  
Outstanding Texas Geneticist, Texas Genetics Society, 1996  
Fellow, American Association for the Advancement of Science, 1999  
National Academy of Science, USA, 1999  
Wolf Prize in Agriculture, 2001

Publications in the last 5 years plus earlier pertinent publications


Grants in the Last 5 years

1991-1996  Constructing a microsatellite/cosmid map of the bovine genome. Principal Investigator, $261,239 from USDA (NRICGP).
1992-1995  Physical gene mapping of the river buffalo. Principal Investigator, $180,797 from USDA (NARP, EGYPT)
1993-1998  NAGRP Coordinator for Cattle Genome Research. Principal Investigator, $480,000 from USDA (NAGRP).
1995-1998  Constructing an anchored comparative map of the bovine genome. Principal Investigator, $250,000 from the USDA (NRI).
1997-2000  Radiation hybrid mapping of the bovine genome. Principal Investigator. $190,000 from USDA (NRI).
1998-2003  NAGRP Coordinator for Cattle Genome Research. Principal Investigator. $480,000 from USDA (NAGRP).
1999-2002  Production of a 25,000 cattle ESTs and development of a high resolution radiation hybrid map. Co-principal Investigator with H. Lewin, U. Illinois. $750,000 from USDA-NRI ($176,460 to TAES).
2000-2001  Parallel radiation hybrid mapping for isolating economically important genes in cattle. Principal. $180,973 from Texas Advanced Technology Program. Investigator