

CURRICULUM VITAE

Orlando Fitzgerald McMeans

Work Address

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EDUCATION

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| 1998 | Virginia Polytechnic and State University, Blacksburg, Virginia
Post-Doctorate in Plant Molecular Biology |
| 1997 | University of Illinois at Urbana-Champaign, Urbana, Illinois
Ph.D. in Horticulture |
| 1994 | University of Illinois at Urbana-Champaign, Urbana Illinois
M.S. in Horticulture |
| 1992 | Alabama Agricultural and Mechanical University, Normal Alabama
B.S. in Horticulture |

AREAS OF SPECIALTY

Plant tissue culture, plant molecular biology, fruit crop improvement via somaclonal variation, fruit crop breeding, plant pigment biochemistry, horticulture, 1890 research and extension administration, the history and function of the land-grant system and federal and state land-grant legislation and policy.

PROFESSIONAL EXPERIENCE

Recent Experiences

5/12 – Present

Vice President for Research and Public Service

- Provide University leadership in developing, promoting and advancing research and public service programs, activities and initiatives.
- Responsible for research administration including the establishment and implementation of research policies and procedures, facilitation and stimulation of research productivity, and compliance with federal, state and local regulations.
- Promote the University's public service mission by applying the knowledge of the University to the state's evolving economic, social, technological and community needs, and thus increasing the quality of life for the Citizens of West Virginia.

03/13 – Present

Director of WVSVU U.S. Department of Education Title III Programs

- Responsible for the overall direction and effective management of the University's Title III and HBCU Master's Programs.
- Provide leadership and oversight for the daily administration of the Title III Program and HBCU Masters Programs.
- Development and implement effective administrative compliance procedures.
- Ensure proper resource allocation, identification of funding sources, funding acquisition, regulatory compliance, recordkeeping, reporting and maintaining systems for Title III and HBCU Masters funding.

- 4/06 - Present *Dean and Director of the Gus R. Douglass Land-Grant Institute for Agricultural, Consumer, Environmental and Outreach Programs West Virginia State University, Institute, WV*
- Provide leadership and oversight for research, extension and outreach programs associated with the University's land-grant mission.
- 7/12 – Present *Executive Director and Chairman of the Board of Directors of the West Virginia State University Research and Development Corporation*
- Supervise and monitor the day-to-day activities of the WVSU Research and Development Corporation.
 - Develop, assess and update fiscal and operational policies of the WVSU Research and Development Corporation.
 - Oversee all audit activities of the Corporation.
- 9/10 – 4/12 *Special Assistant to the President for Research and Public Service*
- Assist the Office of the President in promoting and advancing research and public service activities and initiatives with the main goal of enhancing the quality of life for West Virginia citizens.
- 3/00 - 10/05 *Dean and Director of the Division of Agricultural, Consumer, Environmental and Outreach Programs (ACEOP) West Virginia State College, Institute, WV*
- Provide supervision of the development, implementation, and sustainability of land-grant related research and extension programs.
- 10/98 - 2/00 *Director of Land-Grant Programs, West Virginia State College Institute, WV*
- Developed of a strategy to secure federal land-grant funding and status
 - Developed a relationship with West Virginia's congressional delegates
 - Participated in 1890 land-grant activities including

strategic planning, legislation, system wide program development, policy development and research and extension meetings.

- Worked collaboratively with West Virginia University for the development of mutually beneficial programs which fall under both institutions land-grant missions

Federal Legislative Experiences

10/05 - Present *Work with the West Virginia Congressional Delegation and other national groups to attain, increase and/or retain research, public service and educational funds in order to advance the University's land-grant mission.*

- Work with West Virginia's congressional delegation to attain federal funding to support and maintain existing programs, as well as the development of new programs.
- Work with the United State Department of Agriculture to support funding for 1890 Land-Grant Programs.
- Work with Congress on University-wide educational initiatives.

8/98 - 10/05 *Worked with the West Virginia Congressional Delegation to assist in the restoration West Virginia State University's' 1890 Land-Grant Status.*

- Worked with Senator Byrd and his staffers to explain the historical significance of land-grant programs nationally and at West Virginia State College
- Acted as a liaison between the office of Senator Byrd and the United States Department of Agriculture
- Helped to draft language to amend West Virginia State University to the 1890 legislation that initiated the 1890 Land-Grant Institutions
- Attained \$2,000,000 in initial land-grant funding from

the USDA

- Worked with Congress and USDA to add West Virginia State College to 7 1890 Land-Grant entitlement funding lines
- Secured line item in the annual sum of \$500,000 to support environmental remediation studies
- Assisted in having the institution added to the Historically Black Graduate Initiative which allowed for an annual non-competitive funding line which totaled \$1,000,000

State Legislative Experiences

- Communicated to the West Virginia State Legislature the importance of matching federal land-grant formula funds with state or non-federal funds DURING THE 2001 to 2008 legislative sessions

Departmental Work Experiences

7/97 - 9/98

Research Associate, Department of Plant Pathology, Physiology and Weed Science (PPWS), Virginia Polytechnic Institute and State University, Blacksburg, Virginia

- Established embryogenic peanut cultures
- Transformation of soybeans and peanuts via particle bombardment
- Grant writing
- Participated in molecular- and horticultural-based courses

8/92 - 5/97

Research Assistant, Department of Horticulture (Natural Resources and Environmental Sciences [NRES]) University of Illinois Urbana, Illinois

- *In vitro* establishment, maintenance and experimental use of apple and pear cultures
- Designed, prepared and carried out tissue culture laboratory experiments
- Performed basic apple orchard maintenance (grafting, pruning, fruit harvesting and crossing)

8/93 - 5/97

Teaching Assistant, Department of Horticulture/NRES University of Illinois, Urbana, Illinois

- Prepared and presented various lectures of "Introduction to Horticulture" (Hort 100) Fall, 1993; Spring, 1994; Fall, 1994; Spring 1995; Fall, 1995; Spring, 1996; and Fall, 1996)
- Prepared handouts and teach grafting laboratory
- Aided students in questions about lecture material
- Assisted with grading

Agriculture College work experiences

6/96 to 8/96 and
6/95 to 8/95

Co-coordinator and instructor for Research Apprenticeship Program (RAP) University of Illinois, College of Agriculture, Consumer and Environmental Sciences (ACES) Urbana, Illinois

- Coordinated group leaders from the various departments (Food Science, Plant Pathology and Animal Science/Vet Med.) in the School of ACES
- Prepared and presented a class entitled "Introduction to the Plant Sciences"
- Organized group research projects
- Assisted in the organization of both oral and poster presentations

6/94 to 8/94

Instructor for Young Scholars Apprenticeship Program (YSAP) and Research Apprenticeship Program (RAP), University of Illinois School of Agriculture, Consumer and Environmental Sciences (ACES), Urbana, Illinois

- Changed the format of the RAP program by designing a new curriculum, preparing arguments for its implementation, and presenting the changes to the Assistant Dean in charge of the program
- Prepared and presented two classes entitled “Introductory to Basic Research”
- Helped students organize their research projects
- Aided in the organization of students’ posters for their presentation
- Edited abstracts, papers, as well as poster content

University-wide work experiences

- 6/92-8/92 *Co-coordinator of the Summer Research Opportunity Program (SROP), University of Illinois at Urbana-Champaign Graduate College, Urbana, Illinois*
- Counseled perspective graduate students from 1890Institutions on the demands of the program
 - Helped organize the annual SROP conference at the University of Illinois

Undergraduate work experiences

- 6/91-8/91 and *Research assistant on the Summer Research Opportunity Program (SROP), University of Illinois at Urbana-Champaign Urbana, Illinois*
6/90-8/90
- Wrote paper on a research topic in Horticulture-- Plant tissue culture
 - Wrote 15-page paper on research material

5/89-4/90 *Laboratory Technician,
Alabama A & M University/USDA*

Normal, Alabama

- Induced the germination of various wheat varieties via *in vitro* embryo culture
- Input all data from germination studies into computer

5/88-4/90

Research Assistant/Laboratory Technician

Alabama A & M University

Normal, Alabama

- Performed tissue culture procedures including media preparation; explant establishment and subculture; and lab maintenance

HONORS/AWARDS/CERTIFICATES OF APPRECIATION

- National Dean's List 1989-1991
- Patricia Roberts Harris Fellowship
- Gamma Sigma Delta Fellowship Award
- University of Illinois Department of Horticulture Research and Teaching Assistantships
- University of Illinois Graduate Fellowship
- Conference Travel Grant from University of Illinois Graduate College Master Gardeners Horticulture Tour of Europe
- Distinguished Ronald E. McNair Program Graduate, Participant and Scholar
- 2005 National Head Start Success Story Recipient
- Tuskegee University's L.A. Potts Success Story Award Recipient
- Association of Extension Administrators 1890 Pioneer Award
- Graduate of the Hampton University Executive

Leadership Summit

- Summer Research Opportunity Program (SROP) Achievement Award
- United States of Department of Agriculture USDA/1890 Executive Team Member
- 2007 “Pillar of our Community” From The Links Charleston-Institute Chapter for being a
- WVSU Establishment of the Orlando F. McMeans Youth Fund
- Association of Research Directors Service Award for participation on the Executive Committee, 2003 and 2006 Symposium Committees, and service as ARD Secretary (2003-2006)
- In 2010 received 25th Anniversary Award of Minorities In Agriculture, Natural Resources and Related Sciences MANRRS as 2008-2009 National President.
- In 2010 recognized as distinguished leadership as Chair of the Association of Research Directors 2008 to 2010.

AFFILIATIONS/LEADERSHIP

- 1890 Budget and Legislative Committee
- 1890 Deans Council
- Agricultural Head Section
- Alpha Zeta
- American Society for Horticultural Sciences (ASHS)
- Association of Public and Land-Grant Universities
- Association of Extension Administrators
- Association of Research Directors – Chair

- (2008 - 2010), Chair of the ARD Biennial Research Symposium (2011 and 2013) and Founder of the ARD Updates (2008)
- Experiment Station Committee on Organization and Policy (ESCOP) – Chair (2010 – 2011)
- Extension Committee on Organization and Policy (ECOP)
- Minorities in Agriculture, Natural Resources and Related Sciences (MANRRS) – National President (2008 - 2009)
- National Association of State Universities and Land-Grant Colleges (NASULGC)
- Phi Beta Sigma Fraternity, Inc.
- USDA 1890 Task Force Executive Committee (Co-Chair 2007 to 2010)

PUBLICATIONS

Skirvin, R.M., S. Metoike, M.A. Norton, M. Ozgur, K. Al-Juboory, and O.F. McMeans. 1999. Workshop on micropropagation establishment of contaminant-free perennial plants *in vitro*. In Vitro Cell. Dev. Biol. – Plant 35:278-280.

McMeans, O., R.M. Skirvin, A. Otterbacher and G. Mitiku. 1998. Assessment of tissue culture-derived ‘Gala’ and ‘Royal Gala’ apples (*Malus x domestica* Borkh.) for somaclonal variation. Euphytica 103: 251-257.

Hegeman, C.E., R.W. Hanlon, O. McMeans and E.A. Grabau. 1998. Engineering low phytate soybeans. American Society of Agronomy - Crop Science Society of America - Soil Science Society of America Annual Meetings. *Abstract*.

McMeans, O. 1997. The use of tissue culture to separate apple chimeras into their component genotypes and to induce anthocyanin production. Ph.D. Thesis, University of Illinois,

Urbana-Champaign.

McMeans, O. and R.M. Skirvin. 1994. Segregation of chimeral apples into their component genotypes *in vitro*. HortScience 29:561 (*Abstract*).

Skirvin, R.M. O. McMeans and W. L. Wang. 1993. Storage water is a source of latent bacterial contamination. Trends in Agric. Sci. 1:63-65.

PENDING PUBLICATIONS

McMeans, O., R.M. Skirvin and G. Mitiku. *In vitro* segregation from apple (*Malus x domestica* Borkh.) stem segments. Journal -- *In Vitro*.

McMeans, O., R.M. Skirvin and G. Mitiku. The role of pH in the maintenance of apple (*Malus x domestica* Borkh.) tissue cultures. Journal -- **Plant Cell, Tissue and Organ Culture**.

McMeans, O., R.M. Skirvin and G. Mitiku. The role of carbohydrates in the proliferation of apple (*Malus x domestica* Borkh.) tissue cultures. Journal -- **Plant Cell, Tissue and Organ Culture**.

INSTITUTIONAL PUBLICATIONS

McMeans, O. 2001. Land-grant status returns. Land-Grant Quarterly Vol. 1 Issue 1:1-2.

McMeans, O. 2001. The Hort. Corner. Land-Grant Quarterly Vol. 1 Issue 1:8.

McMeans, O. 2001. West Virginia Association of Land-Grant Institutions. Land-Grant Quarterly Vol. 1 Issue 2:1-2.

McMeans, O. 2001. Stages of Plant Growth. Land-Grant Quarterly Vol. 1 Issue 2:12.

McMeans, O. 2001. Land-grant programs: one year later. Land-Grant Quarterly Vol. 1 Issue 3:1-2.

McMeans, O. 2001. Fall color. Land-Grant Quarterly Vol. 1 Issue 3:15.

McMeans, O. 2002. WVSC regains full 1890 status. Land-Grant Quarterly Vol. 2 Issue 1:1-2.

McMeans, O. and R.M. Skirvin. 2002. Chocolate. Land-Grant Quarterly Vol. 2 Issue 1:11-12.

FUNDING ACQUIRED AND MANAGED

- 2003 – 2012 – Assisted in Securing **\$12,300,000** in Land-Grant State Matching Funds
- 2002 – 2012 – Managed USDA/1890 Capacity Building Programs with USDA – **\$7,200,000** to WVSU
- 2000 – 2012 – Assisted in bringing **\$10,300,000** in 1890 Facilities Funds
- 2000 - 2012 – Assisted in securing in securing **\$30,700,000** in federal formula funds
- 1999 – Assisted in securing **\$1,900,000** for federal research and extension funds
- 1999 – 2012 – Assisted in securing federal funds from American Electric Power (AEP), HUD, Department of Defense, DOW, CDC, Rural Development, Agricultural Research Service, Cooperative State Research, Education and Extension Service (now NIFA), NASA, and WV-EPSCoR, totaling **\$26,800,000**

CERTIFICATIONS/TRAINING

- George Washington University Higher Education – 2001
- SAES/ARD Workshop – Sept. 2003, Sept. 2004, Sept 2005, Sept. 2006
- Executive Leadership Summit - Hampton University – Nov 2003

- CSREES Administrative Officer's Conference – April of 2004, 2005, 2007, 2008 and 2012
- USDA/1890 National Scholars Training – July 2005
- USDA/1890 Workshop – October 2005
- CSREES POW Training – October 2005
- Institute for Public Policy & Executive Leadership in Higher Education - Nova Southeastern University - Florida – June 2006

PRESENTATIONS AND SPEAKING ENGAGEMENTS

- Speaker – University of Illinois
MANRRS Region 5 Cluster Meeting
October 2012
- Presentation – West Virginia State University
WVSU Board of Governors – An Update on the
Research and Public Service Administrative Area
September 2012
- Commencement Speaker – West Virginia State
University Fall/Mid-Year Commencement
December 2011
- Keynote Speaker – Kentucky-West Virginia Louis
Stokes Alliance Minority Participation Undergraduate
Research Symposium
October 2011
- Presentation of 1890 Virtual Strike Team – Presented
at the White House as part of the USDA/1890 Task
Force
June 2011
- Historically Black Land-Grant Representative and
Speaker – Advisory Committee on Beginning Farmers
and Ranchers
December 2010
- Presentation on the History and Importance of the

Historically Black land-Grant Universities
September 2010

- Presentation on the Importance of Research and Extension Formula Funding to the 1890 Land-Grant Community
February 2010
- Council of 1890 Presidents and Chancellors Retreat
August 2009
- Commencement Speaker, Charleston Job Corps
July 2009
- Council on Agriculture, Research, Education and Teaching (CARET)
March 2009
- Northeastern Management Officers (NEMO) Meeting
October 2008
- MANRRS Chapter, Tuskegee University
September 2008
- MANRRS National Conference
March 2008
- MANRRS Chapter Kentucky State University
January 2008
- MANRRS Chapter, University of Florida
October 2007
- MANRRS Chapter, Michigan State
November 2007
- The Charleston Institute of Links Incorporated
June 2007
- Head Start Annual Banquet
June 2006 (speaker)
- WVSU 18th National Alumni Association Conference
“The Status of Land-Grant and WVSU”

May 2006

- USDA/1890 National Scholars Program
Presented to the USDA National Scholars
July 2005
- Head Start 40th Year Celebration & Conference
Participated in Opening Ceremonies as Speaker &
Award Recipient
May 2005
- Presentation on Land-Grant Programs at WVSU
Presentation to WVSU Alumni
May 2004
- Black History Month Community Program
February 2004 (speaker)
- Outreach Coordinators Mtg. (presentation)
October 2003
- NE Managing Officers (presentation)
October 2003
- Congressional Visits - 1998 through 2009 various
dates/times (presentation)
- WV Legislative Visits – 1998 through 2009 various
dates/times (presentation)
- Campus Presentations – 1998 through 2009 various
dates/times (i.e. board of governors, Land-Grant
Advisory, University Council, etc.)
- WVSU's State Today with President Carter – 2000
through 2007 various dates
- Professional Agriculture Workers Conference (PAWC)
– December 2001(Presented) Topic: "The Land-Grant
Status of West Virginia State College"