

**BIOGRAPHICAL SKETCH**  
**DO NOT EXCEED FIVE PAGES.**

NAME: Davies, Todd H.

eRA COMMONS USER NAME (credential, e.g., agency login): daviest

POSITION TITLE: Director of Research Development and Translation

EDUCATION/TRAINING *(Begin with baccalaureate or other initial professional education, such as nursing, include postdoctoral training and residency training if applicable. Add/delete rows as necessary.)*

INSTITUTION AND LOCATION	DEGREE (if applicable)	Completion Date MM/YYYY	FIELD OF STUDY
Community College of the Air Force	A.A.	05/1995	A.G.E. Technologies
Wesley College	B.S.	05/1998	Biology
University of Toledo (Formerly Medical College of Ohio)	Ph.D.	05/2004	Medical Science

**A. Personal Statement**

As the Director of Research Development and Translation I direct and manage the Marshall Clinical Research Center, a newly developed hub for clinical trials activity at Joan C. Edwards School of Medicine at Marshall University and will assist Dr. Sundaram in managing the Administrative Core of the ACCORD COBRE, which is focused on cellular transport physiology of obesity and obesity related conditions. The Marshall Clinical Research Center is dedicated to bringing cutting edge clinical research and advanced care to Marshall and throughout rural West Virginia. In addition, I am charged with building translational protocols for research at Marshall and developing a rural research network throughout West Virginia and Central Appalachia. This research network brings together advanced care, community outreach and healthcare informatics. I also serve as Chief Operations Officer for the Appalachian CTSI at Marshall University and liaison for the Marshall University Sub-Award of the University of Kentucky Clinical and Translational Sciences Award. In three years, I and my team have significantly increased clinical trial activity, built translational protocols for research at JCESOM, increased intellectual property disclosures from JCESOM by 200%, centralized clinical trials activity throughout the School of Medicine, developed SOP's, build sustainable model within the first three years, increased year to year enrollment ten-fold and most recently, developed clinical trial-based training program and graduate curriculum. Thus, I am well prepared and positioned to support Dr. Sundaram in all administrative aspects of the COBRE at MUSOM.

My background is diverse and includes a time in the military and assisting in the creation and development of 22 medical technology (predominantly Pharmaceutical and Healthcare IT) start-up companies before running a start-up, ADS Biotechnology, as its CEO. At ADS, I assembled and led a team with, collectively, over 100 years of basic and clinical research experience, over 75 years of industrial product experience and over 40 years of basic business and company development experience and blended them with a team of university professors. After developing a goal-oriented research model, this team successfully designed clinic research and commercialization programs for IND submission to the FDA.

**B. Positions and Honors**

**Positions and Employment**

12/91- 08/95 Active Military Service (U.S.A.F)

08/03- 02/04 Post-Doctoral Fellowship, University of Toledo

- 02/04- 02/06 Post-Doctoral Fellow, University of Michigan, Department of Molecular and Integrative Physiology
- 02/06- 05/08 Commissioner of Economic Development, City of Toledo
- 05/08- 07/10 Business Development Manager, Biosciences Division, Rocket Ventures
- 07/08- 03/13 CEO, ADS Biotechnology, Ltd.
- 04/13- Director of Research Development and Translation and Assistant Professor Department of Internal Medicine, Joan C. Edwards School of Medicine, Marshall University, West Virginia.

### **Other Experience and Professional Memberships**

- 1999 American Society for the Advancement of Science (Member)
- 1999 Federation of American Societies for Experimental Biology (Member)
- 2000 Endocrine Society (Member)
- 2004 BioOhio (Member)
- 2004 MichBio (Member)
- 2004 Society for Critical Care Medicine (Member)
- 2009 Drug Information Association (Member)

JCESOM Health Informatics Advisory Board  
 MU Faculty Senate - Legislative Affairs Committee  
 MU Council on Research Commercialization  
 ATRN Leadership Committee (Appalachian Translational Research Network)  
 MU - WVU Joint Pilot Grant Program Study Section  
 UK CCTS Pilot Grant Study Section

### **Honors**

- 1999 Molecular Pathogenesis of Cancer Pre-Doctoral Fellowship
- 2003 NIH Endocrinology and Metabolism Post-Doctoral Fellowship
- 2004 NIH Individual Ruth Kirschstein Research Award

### **C. Contribution to Science**

1. My ongoing efforts are centered on clinical research operations. Building systems for clinical trials that assure quality standards in data collection, allow for real-time auditing, create an avenue for efficient risk-based monitoring and improve efficiencies in the coordination of clinical trials regardless of location. These systems optimize physician involvement to increase patient safety and trial participation. At Marshall, we have demonstrated a remarkable increase in patient enrollment through such a system.
  - a. Davies TH. (2016): "Why Should Busy Clinicians Take Time to Participate in Clinical Research?" Marshall Journal of Medicine: Vol. 2: Iss. 2, Article 3.
  - b. Nellhaus E. and Davies TH. (2016): "How the History of Clinical Trials Formed the Modern Regulatory Environment." Marshall Journal of Medicine: *Accepted*

#### **PRESENTATIONS (ORAL):**

1. Davies TH. Metrics Adapted from Other Industries for Clinical Trial Site Management and Business Development. The MAGI West 2015, San Diego, CA, USA, 2015.
  2. Davies TH. How to be Completely Unprepared for a non-Academic Career. BMS Transforming Interdisciplinary Graduate Research and Education (TIGRE) Program, Huntington, WV, USA, 2015.
  3. Davies TH. Over-Come Obstacles to Quality System Implementation. MAGI East 2015, Arlington, VA, USA, 2015.
2. Recently, I have been tasked with developing a program at Marshall University to build a research team to study Neonatal Abstinence Syndrome. This effort was started in May of 2016.
    - a. Loudin S, Murray S, Prunty L, Davies T, Evans J, Werthammer J. (2016) J Pediatr. Nov 23. pii: S0022-3476(16)31232-X. doi: 10.1016/j.jpeds.2016.11.004.

- b. Loudin S, Werthammer J., Prunty L, Shapiro JI, Davies TH. (2016): "A Management Strategy from the Front Line of the Neonatal Abstinence Syndrome Epidemic" *Submitted*
3. My early publications resulted from my graduate work in Glucocorticoid receptor protein effects on steroid signaling. We demonstrated the tetratricopeptid-repeat domain proteins are effected at an earlier stage of receptor signaling.
- a. Davies TH, Ning Y.M., and Sánchez E.R. (2000): A new first step in the activation of steroid receptors: hormone-induced switching of FKBP51 and FKBP52. *JBC*. 277: 4597-600.
  - b. Davies TH and Sánchez E.R. (2005): FKBP52. *Int J Biochem Cell Biol*. 2005 Jan;37(1):42-7.
  - c. Davies TH, Ning Y.M., and Sánchez E.R. (2005): Differential control of glucocorticoid receptor hormone-binding function by tetratricopeptide repeat (TPR) proteins and the immunosuppressive ligand FK506. *Biochemistry*. 2005 Feb 15;44(6):2030-8.

### **Complete List of Published Work in MyBibliography:**

#### **D. Additional Information: Research Support and/or Scholastic Performance**

##### **Ongoing Research Support**

UL1TR00011719 Kern (PI)

6/2017 – 6/2021

University of Kentucky Clinical and Translational Sciences Award

The goal of this award is to support research infrastructure and translational research collaboration among institutions.

Role: Contributor for Sub-Award