**Terry L. Oroszi, MS, Ed.D.**

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**Strategic Planner, Assistant Professor, Director, MS & CBRN Defense Programs**

**and Chairperson/Founder of The Dayton Think Tank**

*Two degrees in science and a doctorate with dissertation research (High Stakes Decision-making) in Organizational Studies, and a Post-Doctoral Fellow in Advanced Clinical Simulations and Medical Education at the VA Medical center. An Assistant Professor of Wright State University Boonshoft School of Medicine’s Department of Pharmacology & Toxicology, and Director of the graduate and the Chemical, Biological, Radiological, Nuclear Defense (CBRN) Defense Programs. Extensive expertise in consulting, program and curriculum development, organizational and molecular research, education/lecturing, recruitment and program budgets. Currently holds or held the title of Strategic Planner and Director for several programs. Profiling expertise in terrorism and leadership. Active participant or leader in various crisis-related projects, including founding and managing the Dayton Think Tank, whose focus is Crisis, Threat, Disaster and Emergency Management, and includes several regional city mayors, various fire and pinfrolice chiefs and sheriff, deans, military officers and other stakeholders.*

**Areas of Strength and Expertise**

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| --- | --- | --- |
| * Pharmacology & Toxicology * Consulting * Counterterrorism * Molecular Research * Chemical, Biological, Radiological, Nuclear Defense (CBRN) | * Strategic Planning & Analysis * Grant, Article & Book Writing * Homeland Security Studies * Curriculum Development * Education & Lecturing * Laboratory Manager/Staff scientist | * Profiling * Program Management * Relationship Building * Organizational & Crisis Research * Active DOD Secret Clearance |

**Professional Experience**

***Strategic Planner,* Henry Jackson Foundation,** WPAFB, Dayton OH, Aug. 2016 – Present. Supports the Aerospace Toxicology Program in the Molecular Bioeffects Branch at Wright-Patterson Air Force Base, Ohio.

* Facilitate and directs scientific meetings, leading to a group of SMEs to develop scientific roadmaps and research efforts in alignment with Airmen needs.
* Assists in best marketing the program’s capabilities and accomplishment to all Airmen and Government employees who have a need to know, by providing briefings, developing comprehensive pamphlets and meeting with key personnel.
* Assists the Program Manager in a variety of managerial process to best lead the program forward for a 2035 vision.
* Coordinates the other military services’ efforts with the Air Force’s efforts to develop a joint strategic and operational plan to appropriately leverage each other’s work.
* Markets the efforts, accomplishments, and capabilities of the Aerospace Toxicology program to senior level leaders to best support and fund the program and to key Airmen, so they would know our capabilities for critical needs.
* Brief a broad range of diverse people on the efforts and direction of the program.

***Chairperson and Founder, The Dayton Think Tank*** *(July 2016 - Present)* Crisis, Threat, Disaster & Emergency Management with a Mission to Protect and Prepare Dayton and surrounding communities.

Dayton Think Tank representation includes members from academia, military, local and national govt., emergency & medical responders.

***The Dayton Think Tank Provides:***

* Subject Matter Experts (SMEs) as a community resource
* Multidisciplinary solutions by offering an environment for open communication and dialogue
* Resources for communities for crisis resiliency and response
* Key regional leaders and crisis experts provide opportunities to discuss needs with SME and at DTT meetings

**BOONSHOFT SCHOOL OF MEDICINE, WRIGHT STATE UNIVERSITY,** Dayton, OH**,** 2003 to Present

***Director, Pharmacology & Toxicology Graduate Program*** *(May 2008 - Present)*

As Director set a goal of making the program self-sustaining in 10 years. In 2008, the program generated $250,000 in annual revenue, paid 29% of salaries, and recruited five students per year; by year-end 2014, the program generated $1.5 million annually, supported 50 - 100% of salaries, and accepted 28 students. Introduced and developed several courses into the thesis/non-thesis tracks, including a CBRN course, set clinical courses taught by practicing surgeons, and recruited a National Public Radio science correspondent as adjunct faculty.

***Key Accomplishments:***

* Promoted from Assistant Director (July 2005 - June 2006) to Director (2008 – present).
* Led a 500% growth in revenue due to personally developed initiatives.
* Initiated the program with the goal of becoming self-sustaining in 10 years, which currently has a near 100% graduation rate.
* Led the CBRN Defense Certificate program to approval in 2012. In 2015 the CBRN defense program went national, in 2016 a new tuition rate was approved for government employees.
* In 2013, introduced a new MS program, Emergency Management Disaster Preparedness. 100% university program with every college involved.
* Introduced a new track in 2009, (Non-thesis), rebranded in 2014 to be known as a *Leader/Admin track*, blends science, business, and Administration. Rebranding increased enrollment from 25 up to 75% of student population.
* Introduced a new track in 2013, known as the *Clinical Investigative track* for MD students wanting an MS degree.
* Introduced a new track in 2016, known as the *Clinical Research track* for students wanting an MS degree with a focus on Clinical Trails.

***Director, Chemical, Biological, Radiological, Nuclear Defense (CBRN) Certificate Program*** *(Nov. 2012 - Present)*

Developed and implemented the CBRN Certificate Program within the Department of Pharmacology & Toxicology, Boonshoft School of Medicine, which offers live webinars from industry experts, tours, and other unique offerings. Designed to provide military and civilian professionals in the CBRN field an in-depth understanding of a wide variety of threats. Create curriculum, recruit instructors from the Battelle Memorial Institute and the Wright-Patterson Air Force Base, and teach a class. Currently working with the university to introduce a special government employee rate due to interest from several federal agencies.

***Key Accomplishments:***

* Developed and implemented the program in 2008.
* Program currently averages 25 students per year and in 2015, expanded the program to the national level with funding by the BSOM, achieving profitability in the first year, three years ahead of schedule.
* In 2016 the state approved a reduced rate for governement employees, offering in-state tuition +10.

***Assistant Professor, Terrorism & Leadership,* Dept. of Pharmacology & Toxicology, Boonshoft School of Medicine (2013 – Present)**

Research area: Develop a profile of a potential terror recruit by identifying nearly 200 U.S. citizens convicted of crimes related to terrorism since September 2001. For this research, the demographics on each of the before mentioned U.S. citizens was collected and compared. Demographics of interest included: year of crime, age at the time of the crime, college education, parents’ birth country, state the resided at the time of the crime, sentence received, U.S. military experience, mental health, married/children, partners, affiliations with Anwar Al-Awlaki, and allegiances to international or national terrorist organizations. This led to the creation of a quantitative analysis for predicting radicalization and extremism.

**Professional Engagements & Activities related to:**

**CBRN/ Terrorism/Power/Crisis Decision-Making/Leadership**

May 2018 – Auditors Speaking engagement Power/Leadership/Meeting behaviors (verbal/nonverbal cues)

Sept. 2017 – Speaker and designated Delegate at the 2017 FBI/Infragard training conference, Dallas, TX.

Sept. 2017 - Boonshoft School of Medicine Leadership Academy

Aug. 2017 – Quarterly DTT Board meeting

Aug. 2017 – TriService Tox Consortium Abstract/Presentation DoD Toxicology efforts.

July 2017 – ATIC Analyst Boot Camp Capstone Briefings

July 2017 – Two abstracts (Terrorism, Crisis decision-making) accepted for HDIAC Journal

June 2017 – Guest on the Attack of the Politicos Podcast (est 10-15K audience)

June 2017 – High Stakes Decision-Making Model presented at the National Homeland Security Conference, Buffalo NY

May 2017 – 4/5/6 Power Platform for ATIC Intel Analyst Bootcamp

May 2017 – Analysis of an American Terrorist, for ATIC Intel Analyst Bootcamp

May 2017 – Cincinnati Infragard Speaker Topic: Americans Killing Americans: A Comparison of U.S. Male Citizens Charged with Acts Related to Terrorism Since 9/11.

April 2017 – CLONE (CBRN Ladies Only Networking Event) Washington DC, invited guest

April 2017 – Invited speaker/SME for Peace Rally, Dayton OH

Mar. 2017 – Washington, DC, briefed FBI Chief Nuclear & Radiological WMD Countermeasures

Mar. 2017 – Dayton Think Tank quarterly meeting, invited speakers included DHS/FBI/Medicine on EMP and Opioid Epidemic

Mar. 2017 – “Americans Killing Americans” WSU Staff Development Speaker

Mar. 2017 – NBCIG Meeting. Nuc/Bio/Chem Industry Group, Washington DC

Mar. 2017 – Infragard Speaker on Terrorism (InfraGard is a partnership between the FBI and the private sector.)

Feb. 2017 – Intro to Terrorism Workshop for ATIC Intel Analyst Bootcamp

Feb. 2017 – Sherrod Brown, spoke about Ohio terrorism status

Feb. 2017 – Women in Business Luncheon speaker, Xenia Chamber of Commerce

Feb. 2017 – TriService Toxicology Consortium Meeting (Air Force/Navy/Army, two days)

Jan. 2017 – Recognizing a Potential Terrorist with Case Study for BioStar Program

Jan. 2017 – Infragard meeting

Jan. 2017 – Power Platform Workshop for ATIC’s new Intel Analyst class

Jan. 2017 – Submitted new manuscript to publisher (release date Aug 2017)

Dec. 2016 – Submitted three abstracts for the National Homeland Security Conference, Buffalo, NY

Dec. 2016 – DTT Meeting, Environmental Manager, City of Dayton Department of Water

Dec. 2016 – WSU Story, Jim Hannah, on the Dayton Think Tank, Engineer’s Club

Dec. 2016 – Invited guest, Mayor Whaley Fundraiser (discussed terror threat with attendees)

Dec. 2016 – Navy Commander and Branch Chief (Tox) certificate program discussion and follow-up submission.

Nov. 2016 – Nominated into the Homeland Security Information Network

Nov. 2016 – NBC Industry Group Washington DC

Nov. 2016 – Annual Dayton MMRS Steering Committee meeting (Restricted due to topics)

Nov. 2016 – Dayton Think Tank Founder (Crisis, Threat, Emergency and Disaster Management)

Nov. 2016 - High Stakes Decision-making presentation at SAFE Symposium

Oct. 2016 – Attended a mandatory counterintelligence briefing (WPAFB)

Oct. 2016 - Power Platform 2-hour workshop for INFORMS Engineering Symposium

Oct. 2016 - Led a Terrorism Case Studies 3 hour Workshop for Advanced Technical Intelligence Center (ATIC) Analyst Bootcamp.

Sept. 2016 - Power Platform 2-hour workshop for Advanced Technical Intelligence Center (ATIC) Analyst Bootcamp.

Sept. 2016 - Led a Terrorism 4-hour Workshop for Advanced Technical Intelligence Center (ATIC) Analyst Bootcamp.

Sept. 2016 - Power Platform workshop for BioStar Students.

Aug. 2016 - 4-hour Terrorism Workshop specific to Dayton, Oakwood, and Cincinnati Police

Aug. 2016 - Mindset of a Terrorist, terrorism workshops (am & pm for WSU Staff employees)

Aug. 2016 – WSRI Meeting to discuss the creation of a Center of Excellence in Homeland Security and Terrorism

July 2016 - Dayton Think Tank, first meeting.

July 2016 - WDTN/FOX 45 TV News interview.

July 2016 - One of the leads for an Active Shooter Scenario involving VA/Dayton/Fairborn Police, SWAT, Hostage Negotiations.

July 2016 - TV interview, Dallas Shooting. Terrorism.

July 2016 - FBI Biosecurity workshops, one of the leads.

June 2016 – Led a 4-hour Terrorism Workshop for Advanced Technical Intelligence Center (ATIC) Analyst Bootcamp.

June 2016 - Abstract for OSHA Grant submitted.

May 2016 - Abstract for SAFEASSOCIATION National Meeting (military) submitted.

May 2016 - FBI Chemical/Explosive training, invited to participate (and blow things up!)

May 2016 - MedBiquitious Conference, Implementing Provider, Patient: Provider and Patient Facing Interventions in a Virtual Environment Johns Hopkins, Baltimore.

April 2016 - Invited Speaker Centerville Public Library, terrorism, >100 people in attendance.

April 2016 - Rotary Club invited speaker, terrorism.

April 2016 - Meeting with Dayton Mayor on Think Tank and 4/5/6 Power Platform.

April 2016 – Awarded a doctorate, Dissertation topic “High-Stakes Decision-Making.”

March 2016 - Fox 45/ABC 22 TV interview on the closing of Guantanamo Bay Prison (GITMO), Cuba.

March 2016 – Attended FBI brief on Homegrown Terrorism

March 2016 – Presented two workshops to the Staff Development day (total 92 attendees) 4/5/6 Power Platform.

Feb. 2016 - Muscatine, IA Journal Published Article “Muscatine Native Examines the Psychological Impact of Terrorism.”

Feb 2016 - Invited guest on behalf of the United States, United Nations Conference on Human Rights of Victims of Terrorism, United Nations Headquarters, New York.

Feb 2016 - Keynote speaker, Defense Institute Study and Education (IDSE) Military Supply Chain Workshop.

Jan. 2016 - Presented a half day workshop on domestic terrorism for ATIC Analysis Bootcamp Students looking to get into the intelligence arena.

Jan 2016 - Led a lecture (100+ attendees) on the psychology behind the use of WMDs and terrorism.

Jan. 2016 - Attended an international conference on simulations, WSU took home an award (#1) on Sim games; VA SimLEARN was #2. Workshops attended included two on qualitative methods some used in this research, and TED talks.

Dec. 2015 - FOX 19 live TV interview on a new book. This interview was repeated on 20+ media news links in the state.

Dec. 2015 - DDN Newspaper article on the new book. The article was published in several newspapers throughout the region.

Dec. 2015 - Book published by Praeger/ABC-Clio, *Weapons of Mass Psychological Destruction & the People That Use Them.* (UPDATE Book makes “BEST SELLING LIST 2005 – 2015”)

Oct. 2015 - Led a Terrorism Workshop for Advanced Technical Intelligence Center (ATIC) Analyst Bootcamp.

Oct. 2015 - CBRN (Chem/Bio/Rad/Nuc defense program was funded by the Medical School to go National, including hiring an Assoc. Director.

Oct. 2015 - Attended a 3-day course on Simulation development, including a visit to the military simulations research center.

Oct. 2015 - Two papers (blind, peer-reviewed) accepted for oral presentations at a Management Conference in Columbus, one on decision-making, the other on meeting attendee behaviors and identifying bias.

Sept. 2015 - Association for Medical Education Conference In Europe in Scotland.

May 2015 - Received a Post-Doctoral Fellowship (before completing doctorate) at the Dayton VAMC in Simulations. Was one of the leads for a Mass Casualty Incident that involved several medical centers and Emergency Response in the state.

Aug. 2014 - Started an internship (DOS program requirement) at the Dayton VAMC, continued on the book, spent time at NCMR, introduced to crisis gaming.

May. 2014 - IRB petition approved to identify anonymously meeting behaviors better to understand collaborative decision making, potential bias, and conflict management.

Sept. 2013 – Started Doctoral Program in Organizational Studies (Leadership/Business)

Sept. 2013 - Co-hosted the FBI/WMD terrorism workshop, FBI, EHS, P&T.

**DAYTON VA MEDICAL CENTER,** Dayton, OHMay 2015 to May 2016

***Post-Doctoral Fellow***

Undertook a 1-year interprofessional fellowship in Advanced Clinical Simulations and Medical Education under the mentorship of Dr. Rosalyn Scott and Dr. Nephthalim Greene. Participated in advanced training in simulation teaching, curriculum design, educational program implementation, study design, and research.

**WRIGHT STATE UNIVERSITY,** Dayton, OHAug. 2013 - April 2016

***Doctoral Student***

Completed a Doctorate of Education (Ed.D) in Organizational Studies, Leadership Track/Concentration: Business. Over the course of three years, conducted dissertation research, as well as two other research projects. Honed skills as a profiler, studying verbal and nonverbal behaviors (in groups) as well as key elements that make up the individual leader.

***Key Accomplishments:***

* Dissertation Research: “*A Preliminary Analysis of High-Stakes Decision-Making for Crisis Leadership.*” With the assistance of global, national and local high-level leaders, an analysis of shared crisis decision-making identified top traits that can aid the novice crisis leader.
* Performed an additional research project, “*4-5-6 Power Platform*,” a power profiler “game” that identified an individual’s personal power and how to utilize it to achieve the individual’s goals.
* Profiler, involved evaluating human behaviors, in particular, the struggle for power in groups, by 1) Creating a new group decision-making model for small organizational groups, and 2) An IRB approved behavior assessment tool.

***Staff scientist/Laboratory Manager*** *(June 2003-Feburary 2012)*

Started out as a staff scientist breeding and identifying genetically modified mice (OT and AT Knockout, ACE knocked out/in) through PCR (inc. realtime PCR). Designed experiments and animal use protocols (up to seven in use at one time) specific to the research (diabetics/Sarin nerve agent/cardiovascular system uner Dr. Mariana Morris). Managed the laboratory, including post doctorates, students, and other staff. Some surgical experience with telementry probes, minipumps, pre and post op care).

***Director, Pharmacology Genetic Testing Facility, Boonshoft School of Medicine*** *(July 2005 – Feb. 2011)*

Liaised between the Laboratory Animal Research Facility and the Department of Pharmacology and Toxicology. Monitored all fiscal issues with the Laboratory Animal Research Facility, attended and led regular meetings to discuss inspections and other issues.

***Key Accomplishments:***

* Monitored all Animal Use Protocols, amendments, and continuing reviews submitted by the department to and from Research and Sponsored Programs.
* Participated in and conducted meetings on behalf of the faculty, Laboratory Animal Research Facility, Research and Sponsored Programs, and the Department of Pharmacology related to sensitive topics including use of controlled substances and inspection failures.

Additional leadership roles included:

**Assistant Director, STREAMS Program** (Short-Term Training Program to Increase Diversity in Health-Related Research, Feb. 2007 - Sept. 2009).

**C.L.A.S.S. (Creating Laboratory Access for Science Students, Spring 2001 - 2003),** an NSF-funded program that promotes excellence in the science education of students with disabilities.

**Professional Experience, Teaching:**

**Assistant Professor: (Faculty 2010 – Present)** Responsible for teaching the following courses. Courses I developed have an asterisk (\*). This list includes the past three academic years, 2014 – 2016.

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| **Year** | **Course** | **Title** |
| Spring 2016 | PTX7022 (3.0 CR)\* | Effective Scientific Writing: Part 2 |
| Spring 2016 | PTX8000-05 (3.0 CR)\* | Leadership, Theory & Application |
| Spring 2016 | PTX8000-09 (3.0 CR)\* | Advanced Science Writing |
| Spring 2016 | PTX8140 (3.0 CR)\* | Human Studies Research |
| Spring 2016 | PTX8120 (3.0 CR)\* | Case Studies for CBRN Defense |
| Spring 2016 | PTX8210 (3.0 CR) | Applications to Medical Bio Defense |
| Summer 2016 | PTX7021 (3.0 CR)\* | Effective Scientific Writing: Part1 |
| Summer 2016 | PTX7022 (3.0 CR)\* | Effective Scientific Writing: Part2 |
| Summer 2016 | PTX8000-01 (1.0 CR)\* | MD/MS Capstone Journal Club |
| Summer 2016 | PTX8120 (3.0 CR)\* | Case Studies for CBRN Defense |
| Summer 2016 | PTX8140 (3.0 CR)\* | Human Studies Research |
| Fall 2016 | PTX8000-05 (5CR)\* | Intro to Domestic Terrorism |
| Fall 2016 | PTX8140 (3.0 CR)\* | Human Studies Research |
| Fall 2016 | PTX8210 (3.0 CR) | Applications to Medical Bio Defense |
| Fall 2016 | PTX8210 (3.0 CR) | Applications to Medical Chm/Rad/Nuc Defense |
| Fall 2016 | PTX7012 (3.0 CR)\* | Intro To PTX Graduate Research |
| Fall 2016 | PTX7021 (3.0 CR)\* | Effective Scientific Writing: Part1 |
| Fall 2016 | PTX7022 (3.0 CR)\* | Effective Scientific Writing: Part2 |
| Spring 2015 | PTX-9120-01 (3.0 CR)\* | Scientific Writing 1 |
| Spring 2015 | PTX-8210-01 (3.0 CR) | Med. Bio. Defense |
| Summer 2015 | PTX 8000 (2.0 CR) \* | Advanced Science Writing |
| Summer 2015 | PTX 8200 B-01 (3.0 CR)\* | Communications in Science |
| Summer 2015 | PTX 9120 (3.0 CR)\* | Effective Scientific Writing: Part1 |
| Summer 2015 | PTX 9120 (3.0 CR)\* | Effective Scientific Writing: Part2 |
| Summer 2015 | PTX 8000 (3.0 CH) \* | Human Studies Research |
| Summer 2015 | PTX 8120 (3.0 CH)\* | Case Studies for CBRN Defense |
| Fall 2015 | PTX8000 (3.0 CR)\* | Human Studies Research |
| Fall 2015 | PTX8120 (3.0 CR)\* | Case Studies for CBRN Defense |
| Fall 2015 | PTX8210 (3.0 CR) | Applications to Medical Biological Defense |
| Fall 2015 | PTX9000 (3.0 CR)\* | Introduction to Research |
| Fall 2015 | PTX9200 (3.0 CR)\* | Pharmacology Clinical Research |
| Fall 2015 | PTX9200 (1.0 CR)\* | Pharmacology Clinical Research |
| Fall 2015 | PTX9220 (3.0 CR)\* | Effective Scientific Writing: Part 2 |
| Summer 2014 | PTX 8000 B-01 (1.0 CR) | Independent Study |
| Summer 2014 | PTX 8000 B-02 (2.0 CR) | Independent Study |
| Summer 2014 | PTX 8000 C-03 (3.0 CR)\* | Career development advising |
| Summer 2014 | PTX 8120 B-01 (3.0 CR)\* | Case Studies CBRN Defense |
| Summer 2014 | PTX 8200 B-01 (3.0 CR)\* | Communications in Science |
| Summer 2014 | PTX 9120 01 (3.0 CR)\* | Effective Scientific Writing: Part1 |
| Summer 2014 | PTX 9120 01 (3.0 CR)\* | Effective Scientific Writing: Part2 |
| Fall 2014 | PTX 9000-01 (3.0 CR)\* | Intro to Pharmacology Research |

**Wright State University, College of Science and Math, Biology Dept: (2000 - 2003)**

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| **Year** | **Course** | **Title** |
| Spring 2003 | BIO 107 | Intro to Human Diseases |
| Summer 2003 | BIO 345 | Intro to Biological Concepts (Lecture) |
| Spring 2003 | BIO 107 | Intro to Human Diseases (Lecture) |
| Fall 2002 | BIO 345 | Intro to Biological Concepts (Lecture) |
| Winter 2002 | (Laboratory) | Intro to Biological Concepts – Biodiversity |
| Fall 2002 | (Laboratory) | Intro to Biological Concepts – Food |
| Fall 2000 | (Laboratory) | Comparative Vertebrate |
| Summer 2000 | (Laboratory) | Intro to Biology – Disease |

**Education and Training**

**Post-Doctoral Fellowship**

**Advanced Clinical Simulations/Medical Education**

Dayton VA Medical Center | Dayton, OH | May 2015 - May 2016

**Doctorate of Education (Ed.D.)**

**Organizational Studies, Leadership Track/Concentration: Business**

**Dissertation: “A Preliminary Analysis of High-Stakes Decision-Making for Crisis Leadership.”**

Wright State University | Dayton, OH | 2016

**Master of Business Administration (MBA, Marketing Concentration)**

Raj Soin College of Business/Wright State University | Dayton, OH | Pending

**Master of Science, Biological Sciences/Concentration: Molecular Genetics**

COSM, Wright State University | Dayton, OH

**Bachelor of Science, Biological Sciences/Concentration: Evolutionary Biology**

COSM, Wright State University | Dayton, OH

**Additional Training:**

**Primary BLS Instructor**: (Veterans Health Administration/American Heart Association (FL20779))

**Talent Management System VAMC Course:** High-Fidelity Simulation

**Talent Management System VAMC Course:** The Voice of Leadership: Leadership Message

**Talent Management System VAMC Course:** The Voice of Leadership: Inspirational Leadership

**Talent Management System VAMC Course:** The Voice of Leadership: Effective Leadership Communication Strategies

**Talent Management System VAMC Course:** Diabetes: mechanisms and complications (programs: 63612 & 310712)

**Graduate Training:**

**Research Assistant** (2001-2002): Department of Biological Sciences, Wright State University. Advisor: Michele Wheatly. (Based on mini-grant (not listed) submission by Terry Oroszi) NSF-funded grant to survey local museums, parks, zoos, and planetariums to inspect accessibility for people with disabilities, programs for people with disabilities, educational resources for teachers, educational programs for teachers and students, websites.

**Graduate Research Associate** (1998-2000): Department of Biological Sciences, Wright State University. Advisor: Dan E. Krane. Molecular methods applied in the collection of data coupled with computer-driven analysis to identify short interspersed nucleotide sequences in mammals. This combination of molecular techniques and various computer platforms allowed for the clarification of the molecular evolution of mammals based repetitive DNA elements.

**Graduate Teaching Assistant** (1998-2000): Department of Biological Sciences, Wright State University. Advisor: Dan E. Krane. Molecular Biology Laboratory, Plant and Animal Laboratory, Ecology laboratory, and Comparative Vertebrate Laboratory. Molecular Biology Recitation and Cell Recitation.

**Computer Skills:**

**Platforms:** Macintosh, Windows, Linux, WebCT/PILOT (distance learning)

**Bioinformatics:** Gen Bank, Medline, and Pubmed

Database search for homologous sequences (BLAST search)

Dot Plots (DottyPlot)

Multiple Alignment of related sequences (Clustal W)

Phylogenetic reconstruction (PAUP, Phylip, and McClade)

**Word Processing:** Microsoft Office

**Data Analysis:** Excel, Cricket Graph, SPSS, S-Plus statistics software, PRISM

**Graphic design:** Adobe CS6 including InDesign, Acrobat, Illustrator, Photoshop, Elements, Dreamweaver, some Flash and Sound booth experience. Microsoft Publisher,

**Other:** Idrisi Geographic Information System, Microsoft Access, and PowerPoint

**Grants:**

CBRN Defense Program Expansion (2015) Boonshoft School of Medicine finances expansion start-up costs to make the CBRN program a national program. (24,000 loan)

(MAY 2009) NHLBI National Heart, Lung, and Blood Institute administrative supplement to provide summer research experiences for students or science educators (Notice NOT-OD-09-060). NHLBI provided up to 45K to support a science educator for two yrs. This was a supplement grant, to Dr. Mariana Morris’s NIH grant. ($45,000)

Oroszi, T.L., (2001) Taking C.L.A.S.S. Outdoors, and Into The Community. C.L.A.S.S., Wright State University, Dayton, Ohio, 45435. Funding Agency - Michele Wheatly - National Science Foundation ($9,792)

Oroszi, T.L., Krane, D.E. (2000) Characterization Of Putative Spider Monkey Subspecies Within The Population At Curu Biological Preserve In Costa Rica. Department of Biological Sciences, Wright State University, Dayton, Ohio, 45435. Co-Funded Wright State University College Of Science And Math, And The Department Of Biological Sciences.

Oroszi, T.L., Krane, D.E. Barnett, D. (2000) Identification Of A Chromosome Defect In Howler Monkey In Costa Rica. Department of Biological Sciences, Wright State University, Dayton, Ohio, 45435. Co-Funded Wright State University College of Science and Math, and The Department of Biological Sciences.

**Book Chapters/Papers/Abstracts:**

**Oroszi, T.** (2017).  A Preliminary Analysis of High-Stakes Decision-Making for Crisis Leadership. National Homeland Security, Buffalo, NY.

**Oroszi, T.** (2017). Americans Killing Americans: A Comparison of U.S. Male Citizens Charged with Acts Related to Terrorism Since 9/11. Infragard, Dayton, OH.

Sherif, A., Benhammuda, M., Fares, S. and **Oroszi, T.L.** (2017) Cardiovascular Diseases and Radiations. Journal of Biosciences and Medicines, 5, 72-77. <https://doi.org/10.4236/jbm.2017.52007>

**Oroszi, T.** (2016). A Pilot Study of High-Stakes Decision-Making for Crisis Leadership, SAFE Symposium, Dayton, OH.

**Oroszi**, T., (2016). Power: Perspective, Platforms, and Paradigms. Technical Symposium Cincinnati-Dayton Chapter of INFORMS.

**Oroszi, T.** and James, L. (Eds.), (2016). Technology is the new WMD, Praeger Publishing, Santa Barbara, CA (Book in Preparation)

James, L. and **Oroszi, T.**  (2016) *Recognizing a Developing Terrorist: Seeing the Signs in Your Neighborhood, Workplace, or School*, Praeger Publishing, Santa Barbara, CA (Book in Press)

Scott, R., Dominguez, M., Burgess, D., **Oroszi, T.,** Gallimore, J., (2016). Implementing provider, patient: Provider and patient facing interventions in a virtual environment, The MedBiquitous Annual Conference, Johns Hopkins School of Medicine in Baltimore, MD.

Mari, M. MD, Younes, S., Simman, R., **Oroszi, T.,** Alsabri,  Chen, Y., Cool, D., (2015). The Correlation Between Wound Healing Rate and Circulating Microvesicles Collected from Stage III, and IV Pressure Wounds Fluid Treated with NPWT Alone VS NPWT and Oasis Ultra. *Society of Thoracic Surgeons*, STS 52nd Annual Meeting.

Scott, R. P., Gallimore, J., Burke, B., Benton, N., Carabello, H., Davidson, M., Ingmundson, P., McCoy, S., Graham, C., **Oroszi, T.,** Dominguez, M., (2015). The VA Virtual Medical Center: Implementing a Vision for a Virtual Healthcare Campus for our Veterans, In *Interservice/Industry Training, Simulation, and Education Conference (I/ITSEC)*.

Mari, M. MD, Younes, S., Alsabri, S.G., Shaban, A., Simman, R., Chen, Y., Cool, D.R., **Oroszi, T.**, (2015). The Correlation Between Wound Healing Rate and Circulating Microvesicles Collected from Stage III, and IV Pressure Wounds Fluid Treated with NPWT Alone VS NPWT and Oasis Ultra. *The Amputation Prevention Symposium*, Chicago, IL.

**Oroszi**, T., (2015). Disruptive technology; Don’t get caught with your pants down.  Technical Symposium Cincinnati-Dayton Chapter of INFORMS.

James, L. & **Oroszi**, T., (Eds.), (2015). Weapons Of Mass Psychological Destruction And The People That Use Them, Praeger, Santa Barbara, CA Praeger Publishing, 2015

James, L. & **Oroszi**, T., (2015). Introduction. In *Weapons of Mass Psychological Destruction and the People That Use Them* (pp. 3-6). Praeger Publishing Praeger Publishing, 2015 James, L. & **Oroszi**, T., (2015). Defining Weapons of Mass Psychological Destruction. In *Weapons of Mass Psychological Destruction and the People That Use Them* (pp. 8-22). Praeger Publishing, 2015

Holman, M., James, L. & **Oroszi**, T., (2015). Who Becomes a Terrorist. In *Weapons of Mass Psychological Destruction and the People That Use Them* (pp. 23-41). Praeger Publishing, 2015

James, L. & **Oroszi, T.,** (2015) Emerging Trends in the Prevention of Management of WMPD. In *Weapons of Mass Psychological Destruction and the People That Use Them* (pp. 312-322). Praeger Publishing, 2015

**Oroszi, T.** (2015). Traditional Faculty Meeting Style is not Conducive to Group Decision Making. Manuscript accepted for Midwest Academy of Management Conference.

**Oroszi, T.** (2015). Egos at the Table, a Study of Meeting Behaviors. Manuscript accepted for Midwest Acadamy of Management Conference.

Senador, D., Key, M., **Oroszi, T.,** Elased, K. M., & Morris, M. (2009). The role of circulating and renal RAS in blood pressure maintenance in ACE-overexpressing mice. Paper presented at the Hypertension, 54(4) E68-E68.

Senador, D., **Oroszi, T.,** Key, M., Elased, K. M., & Morris, M. (2007). Angiotensinergic control of blood pressure in mice overexpressing ACE. Paper presented at the Hypertension, 50(4) E143-E143.

Chen, Y., **Oroszi, T.**, & Morris, M. (2006). Salt consumption increases blood pressure and abolishes the light/dark rhythm in angiotensin AT1a receptor-deficient mice. Physiology & Behavior, 88(1), 95-100.

**Oroszi, T.L.** (2003). Innovations in Universal Activities for Geoscience Education. Geoscience Innovation Fostering the Achievement of All Students. Curriculum and Pedagogy Methods Reform, Universal Design Principles, and Applications, Seattle, WA, GSA Annual Meeting.

**Oroszi, T. L.** (2002). Paleontological concepts for all students: Physical, not visual, inquiry-based activities for engaging students in science. Paper presented at the 2002 Denver Annual Meeting, GSA

Brame, R., **Oroszi, T.,** Wood, T. Kirch, S. Lunsfurd, S. (2002). Inventions for Inquiry-Based Teaching In Geosciences For ALL Students: Accessible, Inviting And Intellectually Developing.

**Oral Presentations**:

**Oroszi, T**., (April 2016). The mindset of a Terrorist. Centerville Public Library, Centerville OH. 2 hour lecture, >100 in attendance.

**Oroszi, T**., (March 2016). Power: Perspective, Platforms, and Paradigms. (Introducing my 4-5-6 Power Platform) WSU’s Power and Leadership Staff Development Day., Wright State University, Beavercreek, OH. (2 sessions, AM and PM, (~100 attendees))

**Oroszi, T**., (February 11, 2016). Invited guest on behalf of the United States, United Nations Conference on Human Rights of Victims of Terrorism, United Nations Headquarters, New York.

**Oroszi, T**., (February 2016). Keynote speaker, Defense Institute Study and Education (IDSE) Military Supply Chain Workshop. Wright State Foundation, Wright State University, Beavercreek, OH.

**Oroszi, T**., (February 2016). Friends of the Library Lecture Series, Weapons of Mass Psychological Destruction (>100 attendees) Wright State University, Beavercreek, OH.

**Oroszi, T**., (February 2016). Americans’ Participation in Islamic Extremism. 4 Hour Workshop, Advanced Technical Intelligence Center (ATIC), Beavercreek, OH.

**Oroszi, T**., (2015). Americans’ Participation in Islamic Extremism. 8 Hour Workshop, Advanced Technical Intelligence Center (ATIC), Beavercreek, OH.

**Oroszi, T**., (2015). A new model for collaborative decision making. VA Simulations Center, VAMC Dayton, OH.

**Oroszi, T**., (2015). 4-5-6 Power Platform. Midwest Academy of Management Doctoral Consortium. Columbus, OH.

**Oroszi, T**., (2015). The use of power in organizations. Qualifying Defense, CEHS, WSU, Fairborn, OH.

**Oroszi, T**.,(2004) Beyond Video Games-Promoting Active Learning for All Students A selection of science activities designed for the participation of ALL students is solicited. Available technologies/equipment that encourage active learning from students with disabilities will be discussed. GSA. Denver CO Annual Meeting.

**Oroszi, T.L**., (2003). Genotyping Mice. Pharmacology/Toxicology Department, School of Medicine, Wright State University.

**Oroszi, T.L**., (2003). Tools of the Trade. Geological Society of America, Seattle WA.

**Oroszi, T.L.**, (2002). Physical, not visual, Fossil Identification for all Students: Practical Paleontological Concepts for Fossil Identification. Geological Society of America, Denver CO.

**Oroszi, T.L.,** (2000) Identification and Characterization Of Short Repeated DNA Sequences In Artiodactyl and Insectivore Genomes. Spring Sing, Wright State University Department of Biological Sciences Department.

**Oroszi, T.L**., (1999). Evolution and Function Of Highly Repeated Short Sequences In The Artiodactyl Genome. Cincinnati Zoo, Cincinnati OH.

**Oroszi, T.L.,** (1999). Evolution and Function Of Highly Repeated Short Sequences In The Artiodactyl Genome. Biological Sciences Molecular Retreat Dayton Biotechnology Group. Engineers Club, Dayton, OH.

**Oroszi, T.L**., (1999) D.N.A. Profiling. Guest Seminar for STREAMS mentor program. Wright State University.

**Media**

* Jan. 23, 2017 Xenia Women in Business Luncheon Speaker <http://www.xacc.com/article.php/20170119162532870>
* Jan. 18, 2017 Dayton Think Tank, <https://webapp2.wright.edu/web1/newsroom/2017/01/18/thinking-it-through/>
* Sept. 20, 2016: Dayton Daily News, Front page, and WHIO radio. “Instilling Fear is goal of attacks expert says” <http://ireader.olivesoftware.com/Olive/iReader/DaytonDailyNews/SharedArticle.ashx?document=DDN%5C2016%5C09%5C20&article=Ar00103>
* July 19, 2016: TV/NEWS. CREATION OF A DAYTON THINK TANK - Dayton Think Tank Crisis. Threat. Disaster & Emergency Management, Dayton’s top leaders… Fox 45, Dayton Ohio
* July 8, 2016: TV/NEWS. DALLAS SHOOTING, ACT OF TERROR? ABC WCPO Dallas Sniper, as an expert on terrorism, two different TV broadcasts from one interview. <http://mms.tveyes.com/Transcript.asp?StationID=2045&DateTime=7%2F8%2F2016+6%3A02%3A30+PM&Term=Wright+State&PlayClip=TRUE>
* March 19, 2016: TV/NEWS. CLOSING OF GITMO -<http://fox45now.com/news/fighting-back> also on <http://abc22now.com/news/fighting-back/guantanamo-transfers-could-end-up-in-the-us>
* Feb. 5, 2016: Newsprint WMPD BOOK - <http://muscatinejournal.com/news/local/muscatine/muscatine-native-examines-the-psychological-impact-of-terrorist-attacks/article_c56d8042-ebbc-57ab-b601-27fa5752d71f.html>
* Jan. 19, 2016: Newsprint. WMPD BOOK - <http://www.mydaytondailynews.com/news/news/local-military/biggest-impact-of-terrorist-attacks-fear/np7x8/>
* Jan 15, 2016: TV/NEWS. Fox19 Morning Show - "Weapons of Mass Psychological Destruction" goes deep inside the mind of the psychological terrorists. Full interview on YouTube: <https://www.youtube.com/watch?v=MfX4bJGpAD8&feature=youtu.be>
* Jan. 11, 2016: Newsprint. WMPD BOOK - <http://webapp2.wright.edu/web1/newsroom/2016/01/11/wright-state-experts-publish-book-on-weapons-of-mass-psychological-destruction/>
* Aug. 14, 2015: Newsprint. CBRN DEFENSE PROGRAM GETS NATIONAL ATTENTION - <https://webapp2.wright.edu/web1/newsroom/2015/08/14/cbrn-defense-certificate-program-offers-all-courses-online-each-semester/>
* June 30, 2014: Newsprint. REBRANDING OF THE TRADITIONAL NON THESIS INCREASES POPULARITY - <https://webapp2.wright.edu/web1/newsroom/2014/06/30/boonshoft-school-of-medicine-offers-new-m-s-degree-in-leadershipadministration-in-pharmacology-and-toxicology/>
* January 24, 2013: Newsprint. CBRN DEFENSE PROGRAM, NEW AND NEEDED - <http://webapp2.wright.edu/web1/newsroom/2013/01/24/wright-state-university-department-of-pharmacology-toxicology-implements-a-new-certificate-program-in-chemical-biological-radiological-nuclear-defense-cbrnd/>

**Awards / Honors:**

Michelle Obama Role Model of Excellence Award (2010)

Phi Beta Delta International Honors Society. (2000)

College of Science and Mathematics Award for Outstanding Teaching. (1999)

**Professional Societies/services:**

Infragard, Dayton Alliance

Joint Chief CWMD (Countering Weapons of Mass Destruction) Education Consortium, DC

Washington DC NBC Industry Group

Executive Director, Simman Wound Board

Institute for Operations Research and Management (INFORMS)

Midwest Academy of Management (MAM)

The Association for Medical Education in Europe (AMEE)

American Council on Education (ACE)

Phi Beta Delta International Honors Society

**Acknowledgements:**

**Terry Oroszi,** who conducted the AT1 genotypes. Article: Khalid M. Elased, David R. Cool, and Mariana Morris Novel Mass Spectrometric Methods for Evaluation of Plasma Angiotensin Converting Enzyme 1 and Renin Activity *Hypertension* 46: 953-959, 2005.

**Terry Oroszi** Article: Anthony B. Polito III, David L. Goldstein, Lylian Sanchez, David R. Cool, Mariana Morris, Urinary oxytocin as a non-invasive biomarker for neurohypophyseal hormone secretion, *Peptides*, Volume 27, Issue 11, November 2006, Pages 2877-2884.

**Terry Oroszi** for language revision. Article: G. V. Rodovalho, C. R. Franci, M. Morris, J. A. Anselmo-Franci, Locus Coeruleus Lesions Decrease Oxytocin and Vasopressin Release Induced by Hemorrhage *Neurochemical Research, Volume* 31.2 259 – 266, 2006-02-07.

**Terry Oroszi,** Director of Pharmacology Genetic Testing Laboratory, for providing the gene deletion mice. Article: Rogerio B. Wichi, Vera Farah, Yanfang Chen, Maria Claudia Irigoyen, and Mariana Morris Deficiency in angiotensin AT1a receptors prevents diabetes-induced hypertension *Am J Physiol Regul Integr Comp Physiol* 292: R1184-R1189, 2007.

We thank **Terry Oroszi**. Article: Vera Farah, Khalid M. Elased, and Mariana Morris Genetic and dietary interactions: role of angiotensin AT1a receptors in response to a high-fructose diet Am J Physiol Heart Circ Physiol 293: H1083-H1089, 2007.

We would like to gratefully acknowledge the help of **Terry Oroszi.** Article: Khalid M. Elased, Tatiana Sousa Cunha, Fernanda Klein Marcondes, Mariana Morris, Brain angiotensin-converting enzymes: role of angiotensin-converting enzyme 2 in processing angiotensin II in mice, *Experimental Physiology,* 93.5 (665-675) 2008.

**Mentor/Advisor for the following Pharmacology & Toxicology**

**Graduate Students for years 2014 – 2016:**

|  |  |  |
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| **2014: Name** | **2015: Name** | **2016: Name** |
| Alsagri, Ahmed | Alabdrabalnabi, Eman | Hawra Al Khlaiteet |
| Farag Mosa | Andijani, Yusra | Shrouq Almaghrabi |
| Abdulmagid Sherif | Khan, Aiman | Haya Alrajeh |
| Sara Younes | Momenah, Tahani | Tahani Alshammari |
| Manar Hajjan | Subedi, Sachchida | Faten Bin Dayel |
| Nnaemeka Obianagha | Almutairi, Fahdah | Sanjeev Dhakal |
| Nagasudheer Balusu | Chinnapareddy, Srinivasula | Rupinder Gill |
| Siham Abdulla | Egbai, Paulet | Sindhu Kommareddy |
| Jawaher Aldurayhim | Greene, Matthew | Thulasi Konduru |
| Bala Karri | Ihezurike, Nedu | Purna Koppu |
| Daniel Baker | Karri, Bala | Wedad Mawkili |
| Saud Thabet | Kassem, Sara | Sowmya Podduturi |
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|  | Sheela, Suhasini |  |
|  | Tabal, Najib |  |
|  | Timmisetty, Muralikrishna |  |
|  | Tosun, Amanda |  |
|  | Younes, Marwa |  |
|  | Zhang, Cheng |  |
|  | Alsabri, Sami \*MS committee member |  |