

Matthew G. Clark, Ph.D., PMP

Lieutenant Colonel, U.S. Army

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OBJECTIVE

Employ diverse tactical to strategic leadership and management experience in Defense, Research, Development, Science, and Technology to create innovative and engaging strategies and solutions for the emerging challenges of tomorrow. Lead and teach with “I C.A.R.E.” philosophy of Innovation, Character and Competence, Authenticity, Responsiveness, and Empathy to help organizations reach their highest level of operational excellence.

EDUCATION AND CREDENTIALS

Ph.D., Behavioral and Neural Science, April 2000, Rutgers University

B.A., Magna Cum Laude/Distinguished Military Graduate, Psychology, May 1995, Coe College.

Diploma, Command and General Staff Officer Course (Intermediate Level Education), U.S. Army
Command and General Staff College

Army Medical Department “A” Proficiency Designator (Highest Recognition for Professional
Excellence by Surgeon General/Equivalent to Full Professor designation in Army Medicine)

Certified Defense Acquisition Professional: Level III, Program Management and Science and
Technology Management, Defense Acquisition University

Certified Project Management Professional (PMP), August 2011/2014, Project Management Institute

Certificate, Master Teacher Program, May 2014, United States Military Academy, West Point, NY

Defense Strategist (ASI 6Z), May 2016, United States Army War College, Carlisle, PA

Behavioral Sciences & Leadership Teaching Excellence Award, 2016, USMA, West Point, NY

WORK EXPERIENCE

Joint Product Manager, Chemical Defense Pharmaceuticals, Medical Countermeasure Systems, Joint
Program Executive Office for Chemical and Biological Defense, Fort Detrick, MD

June 2016 – Present

Competitively selected to command and direct \$317M research and development program involving
over 30 direct report and matrixed personnel for creating medical countermeasures against chemical,
radiological, and nuclear threats for all military services and serving the whole of the US government.
Lead international teams with counterparts from the United Kingdom, Canada, Australia, Israel, and
others to enhance preparedness against conventional and terrorist chemical and radiological threats.

Board Member; Board of Directors, Military Officers Association of America (MOAA), Arlington, VA

October 2012 – Present

National Board Member for the nation's largest and most influential association of military officers with
more than 350,000 members from every branch of service. Serve on MOAA Scholarship Fund Board
of Directors supporting college opportunities for military children. Chairperson of the Membership
Committee from October 2016 to October 2018.

Director, Eisenhower Leadership Development Program, and Assistant Professor; Department of
Behavioral Sciences and Leadership (BS&L), United States Military Academy, West Point, NY

May 2015 – June 2016

Directed and served as a professor in the Master of Arts graduate education and training program jointly
operated by Teachers College at Columbia University that educates all tactical (TAC) officers and non-
commissioned officers (NCOs) at the US Military Academy. Developed new Benavidez Leader
Development Program (certificate) with Columbia University for NCOs. The program educated
officers and NCOs to serve as the lead integrators of the West Point leadership development experience.

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Co-Editor of *Annals of Theoretical Psychology*; Springer International, New York, NY

December 2012 – Present

Editor for an annual peer-reviewed publication devoted to discussion and application of theory into use in research, practice, and teaching while accounting for the globalized nature of psychology.

Program Director and Assistant Professor; Department of Behavioral Sciences and Leadership (BS&L), United States Military Academy, West Point, NY

June 2012 – July 2015

Direct largest program in BS&L that teaches General and Advanced Psychology for Leaders to approximately 1200 cadets a year. Manages all aspects of course including over 70 class sections taught by over 17 faculty each year.

Deputy Director; Plans, Programs, Analysis, & Evaluation, US Army Medical Research and Materiel Command, Fort Detrick, MD

June 2009 – June 2012

Deputy Director of the office that managed strategic planning of Army medical research and development from basic research through advanced capability development. Work with senior scientists and acquisition executives to integrate Army and Defense Health Program planning, programming, and budgeting activities of medical research, development, and acquisition and materiel programs totaling \$1.9 to \$2.4 billion per year. Manage Congressional interactions related to Congressional Special Interest appropriations and co-developed instructional coursework to educate staff across Command.

Military and Medical Legislative Assistant & Military Fellow; Office of Congressman Elijah Cummings, House of Representatives, Washington, DC

August 2010 – November 2010

Represented Congressman on all matters related to Defense, Veterans Affairs, Foreign Affairs, Medicine and Health as a part of the Army Congressional Orientation Program.

Independent Consultant on Military Operational Medicine, Research, Advanced Development, and Capability Integration

December 2006 – December 2009

Direct scientific review panels and review Congressional and Department of Defense Directed Medical Research Program proposals in the areas of neuroscience, psychology, military operational medicine, general military relevance, and advanced technology development and business potential.

Deputy Chief of Capability Integration; Army Asymmetric Warfare Office, G-3/5/7, Headquarters, Department of the Army, Washington, DC

June 2008 – July 2009

Ushered non-standard technologies for Unified Combatant Commands into the Army that enhanced Soldier protection against improvised explosive devices (IED) and asymmetric warfare in current combat operations. Developed Army-wide rapid acquisition policies and strategic guidance.

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Deputy Commander; United States Army Medical Materiel Development Activity, Fort Detrick, MD
December 2006 – June 2008

Managed daily operations, strategic and operational planning, environmental safety, training, and facilities and property management for 124 MDs, PhDs, Product Managers, and other research and development personnel. Organization was responsible for over \$64 million per year in advanced medical product development. Following redeployment, worked closely with leaders in combat theater to develop and expedite armored ambulances to Iraq and Afghanistan, a critical shortage.

Medical Operations Officer-in-Charge; Army Materiel Command Field Assistance in Science and Technology, Multi-National Corps-Iraq, Baghdad, Iraq

July 2006 – November 2006

Identified critical shortage of armed ambulances supporting combat operations. Served as forward military advisor for evaluating medical solutions in the combat theater.

Director, Collaborative Research Program and Chief, Neurobehavioral Toxicology Branch; United States Army Medical Research Institute of Chemical Defense, Aberdeen Proving Ground, MD

September 2004 – June 2006

Managed 25 doctoral level scientists and technical staff in two laboratory facilities, designed to improve collaborative research opportunities in medical and chemical defense. Directed the execution of an \$8.2 million research operation and managed a \$3.2 million Collaboration Facility renovation.

Commander; A Company, 168th Area Support Medical Battalion, Camp Red Cloud, Uijeongbu, Korea

July 2003 – August 2004

Chief executive for four medical clinics and an aid station dispersed across northern South Korea from north of Seoul to the demilitarized zone and border with North Korea. Managed over \$15 million in property and over 150 personnel that provided medical care for over 23,000 personnel.

Chemical Defense Project Manager, Research Psychologist; Walter Reed Army Institute of Research, Silver Spring, MD

September 2000 – July 2003

Designed and directed \$1 million+ research effort on behavioral effects of chronic, low-dose chemical warfare nerve agent exposure and safety of biological scavengers progressing towards advanced development. Research received best research award at Singapore International Symposium for Protection Against Toxic Substances.

Pre-Doctoral Fellow; Rutgers University, Newark, NJ/Research Specialist; University of Connecticut, Storrs, CT

November 1995 – July 2000

Investigated and developed models of developmental language disorders including disruptions in complex auditory processing from developmental brain malformations. Co-established a new research laboratory facility at the University of Connecticut in 1997.

Supervisor: R. Holly Fitch, Ph.D. and Paula Tallal, Ph.D.

TEACHING EXPERIENCE

Assistant Professor and Director, Eisenhower Leadership Development Program, Department of Behavioral Sciences and Leadership, United States Military Academy (USMA), West Point, NY and affiliated faculty at Teachers College of Columbia University

June 2015 – June 2016

Senior administrator of graduate leader development program involving both USMA and Teachers College at Columbia University. Designed Executive Leadership portion of LD730 graduate course on cross-cultural and executive leadership and developed new academic program for noncommissioned officers at USMA. Also, taught General Psychology for Leaders to USMA undergraduate students.

Assistant Professor and Program Director, General and Advanced Psychology for Leaders (PL100/PL150), Department of Behavioral Sciences and Leadership, USMA, West Point, NY

June 2012 – July 2015

Re-designed curriculum and received Academy approval for both General and Advanced Psychology for Leaders—developed procedures adopted by committee. Developed faculty teaching course in 69-72 sections to over 1200 students per year through Faculty Development Workshops and regular training.

Co-Instructor, Officership (MX400), United States Military Academy

April 2013

Instructor, Congressional Special Interest (CSI 101), Medical Research and Materiel Command, Frederick, MD

June 2009 – June 2012

Co-designed and taught educational training course on the mission and organization of Congress and Congressional Special Interest funding to federal employees.

Adjunct Professor, Harford Community College, Bel Air, MD

Spring 2005

General Psychology

Managed and taught all aspects of introductory psychology class for undergraduate college students.

Research Advisor and Academic Mentor, Walter Reed Army Institute of Research, (taught and mentored students from American University and Montgomery College, Washington, DC

October 2000 – July 2003

Experimental Psychology, Behavioral Neuroscience, and Psychopharmacological Research

Directed and managed research development for one post-doctoral, graduate, and undergraduate student resulting in five peer-reviewed publications and six proceedings reports (listed below).

Students:

Post-Doctoral Student/National Research Council Fellow

Todd Myers, PhD

Graduate Student, American University

Scott Cohn, PhD

Undergraduate Student, American University

Sam Vasilevsky, PhD

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Graduate Teaching Assistant, Behavioral and Neural Sciences Graduate Program, Rutgers University, Newark, NJ
Spring 1997
Foundations of Behavioral and Neural Science
Coordinated with teaching faculty to organize course materials and instruction for graduate students. Arranged meetings for students and faculty when necessary and communicated faculty and student concerns. Proposed, designed and implemented class web page for enhanced communication.
Supervisors: Howard Poizner, Ph.D. and Mark Gluck, Ph.D.

Instructor, Department of Psychology, Rutgers University, Newark, NJ
Spring 1996
Experimental Methods
Prepared and delivered weekly lectures to 40 undergraduate college students; organized weekly cognitive psychology experiments; graded exams; held weekly office hours.
Supervisor: John Ceraso, Ph.D.

Instructor, Department of Psychology, Rutgers University, Newark, NJ
Fall 1995
General Psychology
Prepared and delivered lectures in introductory psychology survey course; senior liaison for Human Subjects Pool; Organized lists of undergraduate students for human subject research on campus; managed and evaluated undergraduate TA's.
Supervisor: Harold Siegel, Ph.D.

SERVICE

Series Co-Editor, Annals of Theoretical Psychology, Springer Intl.	2012-Present
Army Research Institute (ARI) Institute Review Board, Member	2012-2016
Critical Thinking and Creativity Goal Team, U.S. Military Academy	2014-2016
Vice Dean Special Committee on Task 4.C. Develop Integrative Learning Model, U.S. Military Academy	2014-2016
Behavioral Sciences & Leadership Teaching Excellence Committee	2014-2016
U.S. Military Academy Admissions Committee	2015-2016
USMA Faculty Council, member	2015-2016
Core Interdisciplinary Team Initiative, U.S. Military Academy	2013-2015
*Recipient of the 2015 Bennett Award from the Science Education for New Civic Engagements and Responsibilities (SENCER)	
USMA Reception-Day Speaker	2015
USMA Reception-Day Volunteer	2012-2014
USMA Summer Leadership Experience Instructor	Summer 2013-2015
PL100 Faculty Selection Committee, BS&L, Chairperson	Spring-Summer 2014
Guest Instructor, Critical Thought (XH497), U.S. Military Academy	Spring 2014
Guest Instructor, The Holocaust and Its Legacy (XH405), U.S. Military Academy	Spring 2014
Westchester Science and Engineering Fair, Behavioral Sciences	Spring 2014 & 2015
Military Officers Association of America Warrior Family Roundtable	2011-2012
Intel Science and Engineering Fair (ISEF) Judge, Behavioral Sciences	2009-2012

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Guest Lecturer/Teacher, Tuscarora High School, Frederick, MD 2009-2012
Institute Animal Care and Use Committee, WRAIR, Silver Spring, MD 2000-2003

CADET DEVELOPMENT

Fourth Class Sponsorship Program, Mentor, U.S. Military Academy 2012-Present
Medical Service Corps Branch Mentor, U.S. Military Academy 2012-Present
Officer Representative, Men's Soccer Team, U.S. Military Academy 2012-Present
Cadet Mentor, Military Leadership (PL300), U.S. Military Academy 2014-Present
Senior Leader Development Program, Mentor, U.S. Military Academy 2015-Present
Honor Mentor Program, Mentor, U.S. Military Academy 2014-2015
Platoon Mentor, Simon Center, U.S. Military Academy 2013-2014

FACULTY DEVELOPMENT

Psychology for Leaders Faculty Development Workshop Organizer and Lead Instructor 2013-2015
Advised USMA Departments of Law and Chemistry on Faculty Development and Instructional Strategies 2013-2015
Faculty Development Guest Instructor for Discrete Dynamic Systems/Introductory Calculus (MA103) and General Chemistry II (CH102) 2013-2015

PROFESSIONAL AND HONOR SOCIETIES

Order of Military Medical Merit (denotes distinguished service in the Army Medical Department after at least 10 years of service) Awarded 2011
Sigma Xi, The Scientific Research Society (honor society) Awarded 2005
American Psychological Association (APA), Member
APA Division 2, Society for the Teaching of Psychology
APA Division 19, Society for Military Psychology
Military Officers Association of America (MOAA Life Member)
Association of the United States Army (AUSA Life Member)

BIBLIOGRAPHY

Edited Books

Clark, M.G. and Gruber, C.W. (2017). *Leader Development Deconstructed (Annals of Theoretical Psychology, Volume 15)*. New York: Springer.

Gruber, C.W., **Clark, M.G.**, Klempe, S.H. and Valsiner, J. (2015). *Constraints of Agency: Explorations of Theory in Everyday Life (Annals of Theoretical Psychology, Volume 12)*. New York: Springer.

Peer Reviewed Journal Articles

Spencer, E., Page, K. and **Clark, M.G.** (2016). Managing frequent relocation in families? Considering Prospect Theory, emotional framing, and priming. *Family and Consumer Sciences Research Journal*, 45, 77-90.

Clark, M.G., Jordan, J.D., and Clark, K.L. (2013). Motivating military families to thrive. Family and Consumer Sciences Research Journal, 42, 110-123.

Myers, T.M., Sun, W., Ramachandra, S.N., **Clark, M.G.**, Doctor, B.P., and Saxena, A. (2012). Characterization of Human Serum Butyrylcholinesterase in Rhesus Monkeys: Behavioral and Physiological Effects. Neurotoxicology and Teratology, 34, 323-30.

Myers, T.M., Sun, W., Saxena, A., Doctor, B.P., Bonvillain, A.J., and **Clark, M.G.** (2010). Systemic administration of the potential countermeasure huperzine reversibly inhibits central and peripheral acetylcholinesterase activity without adverse cognitive-behavioral effects. Pharmacology, Biochemistry and Behavior, 94, 477-81.

Hilmas, C.J., Poole, M.J., Finneran, K., **Clark, M.G.**, and Williams, P.T. (2009). Galantamine is a novel post-exposure therapeutic against lethal VX challenge. Toxicology and Applied Pharmacology, 240, 166-173.

Myers, T.M. and **Clark, M.G.** (2006). Serial-probe recognition in rhesus macaques: Effects of midazolam. Pharmacology, Biochemistry and Behavior, 85, 555-61.

Clark, M.G., Sun, W., Myers, T.M., Bansal, R., Doctor, B.P., Saxena, A. (2005). Effects of physostigmine and human butyrylcholinesterase on acoustic startle reflex and prepulse inhibition in C57BL/6J mice. Pharmacology, Biochemistry and Behavior, 81, 497-505.

Myers, T.M., Cohn, S.I. and **Clark, M.G.** (2005). Acquisition and performance of two-way shuttlebox avoidance: Effects of aversive air intensity. Learning and Motivation, 36, 312-321.

Friedman, J.T., Peiffer, A.M., **Clark, M.G.**, Benasich, A.A., and Fitch, R.H. (2004). Age and experience-related improvements in gap detection in the rat. Brain Research. Developmental Brain Research, 152, 83-91.

Clark, M.G., Vasilevsky, S., and Meyers, T.M. (2003) A comparison of air and shock shuttlebox avoidance in male C57BL/6J and 129X1/SvJ Mice. Physiology & Behavior, 78, 117-123.

Myers, T.M., Galbicka, G., Sipos, M.L., Varadi, S., Oubre, J.L., & **Clark, M.G.** (2002). Effects of anticholinergics on serial-probe recognition accuracy of rhesus macaques (*Macaca mulatta*). Pharmacology, Biochemistry and Behavior, 73, 829-34.

Clark, M.G., Rosen, G.D., Tallal, P., & Fitch, R.H. (2000). Impaired processing of complex auditory stimuli in rats with induced cerebrocortical microgyria: An animal model of developmental language disabilities. Journal of Cognitive Neuroscience, 12 (5), 828-839.

Clark, M.G., Sherman, G.F., Bimonte, H.A., & Fitch, R.H. (2000). Perceptual auditory gap detection deficits in male BXSb mice with cerebrocortical ectopias. Neuroreport, 11 (4), 693-696.

Clark, M.G., Rosen, G.D., Tallal, P., & Fitch, R.H. (2000). Impaired two-tone processing at rapid rates in male rats with induced microgyria. Brain Research, 871, 94-97.

In preparation

Clark, M.G., Condly, S.J., and Skimmyhom, W.L. (in preparation). Predicting academic performance in first year college students beyond college entrance exams using a self-reported measure of multiple intelligences.

Clark, M.G., Jordan, J.D., Flanagan, S.F., and Campbell, K. (in preparation). Using analytical writing across a semester to improve critical thinking.

*Book Chapters (*invited)*

Clark, M.G. (2015). Neurobiology of Agency: “Conatograms” and the Ghost in the Machine? In: C.W. Gruber, M.G. Clark, S.H. Klempe and J. Valsiner, (Eds.), *Annals of Theoretical Psychology, Volume 12, Constraints of Agency: Explorations of Theory in Everyday Life*. New York: Springer.

Gruber, C., Klempe, H., **Clark, M.**, and Valsiner, J. (2013). *Annals of Theoretical Psychology: A Reintroduction*. In K.R. Cabell and J Valsiner (Eds.), *The Catalyzing Mind: Beyond Models of Causality* (pp. v-vii), New York: Springer.

***Clark, M.G.** (2010). Science in Action: Meeting Urgent Field Requirements through Science and Technology on the Ground in Iraq. In: PT Bartone, RH Pastel, and MA Vaitkus, (Eds.), *The 7IF Advantage: Applying Army Research Psychology for Health and Performance Gains* (pp 413-424), Washington, D.C.: National Defense University Press.

*Sipos, M.L. and **Clark, M.G.** (2010). Mitigating the Medical Consequences of Exposure to Chemical Weapons: Contributions of U.S. Army Research Psychologists to Chemical Defense. In: PT Bartone, RH Pastel, and MA Vaitkus, (Eds.), *The 7IF Advantage: Applying Army Research Psychology for Health and Performance Gains* (pp 341-356), Washington, D.C.: National Defense University Press.

*Smith, W.J, **Clark, M.G.**, Talbot, T.B., Caple, P.A., Sidell, F.R., Hurst, C.G. (2008). Long-Term Health Effects of Chemical Threat Agents. In SD Tourinsky (Ed.), *Textbook of Military Medicine, Medical Aspects of Chemical Warfare* (pp 311-338), Washington, D.C.: Office of the Surgeon General at TMM Publications, Borden Institute.

Saxena, A, Luo, C., Bansal, R., Sun, W., **Clark, M.G.**, Ashani, Y., and Doctor, B.P. (2004). Human Butyrylcholinesterase: A future generation antidote for protection against organophosphate agents. In: S.J.S. Flora, J.A. Romano, S.I. Baskin, and K. Sekhar, (Eds.), *Pharmacological Perspectives of Toxic Chemicals and Their Antidotes* (pp 383-394), New York: Springer.

Saxena, A., Luo, C., Bansal, R., Sun, W., **Clark, M.**, Ashani, Y., Ross, M.C., and Doctor, B.P. (2004). Human Serum Butyrylcholinesterase: A future generation antidote for organophosphate chemical warfare agent toxicity. In N.C. Inestrosa and E.O. Campos, (Eds.), *Cholinesterases in the Second Millenium: Biomolecular and Pathological Aspects* (pp 269-275), Chile: Diseno e Impresiones J&J Ltda.

Rosen, G.D., Fitch, R.H., **Clark, M.**, Lo Turco, J.J., Sherman, G.F., Galaburda, A.M. (2001). Animal models of developmental dyslexia: Is there a link between neocortical malformations and defects in fast auditory processing? In: M. Wolf, (Ed.), *Time, Fluency, and Dyslexia* (pp 129-158), Baltimore, Maryland: York Press.

Conference Proceedings and Government Publications

Clark, M.G. and Birch, H. (2011). Game changers, unforeseen developments, and increased access to advanced weaponry: Tactical to strategic perspectives and medical concerns. Presented at the 2011 Army Unified Quest Alternative Futures Symposium. Published online and retrieved from <http://unifiedquest.army.mil>.

Clark, M.G. and Birch, H. (2010). Medical threats confronting future forces: The importance of integrating sub-functions in combined arms concept development and experimentation. Presented at the 2012 Army Unified Quest Alternative Futures Symposium. Published online and retrieved from <http://unifiedquest.army.mil>.

Myers, T.M., Sun, W., Saxena, A., Doctor, B.P., Bonvillain, A.J., and **Clark, M.G.**, (2008). Huperzine A: Behavioral and Pharmacological Evaluation in Rhesus Monkeys (DTIC Report No. ADA501469). Retrieved from Defense Technical Information Center from <http://www.dtic.mil/dtic/tr/fulltext/u2/a501469.pdf>.

Bauman, R.A., Yourick, D.L., Myers, T.M., Petras, J.M., **Clark, M.G.**, Pickett, E., Wessner, K., Meyer, M., Cohn, S., Genovese, R.F., Johnson, K.M., Fox, S., Gomez-Lobo, R., and Long, J.B. (2004). Comprehensive evaluation of organophosphate toxicity in the rat using a battery of physiological, neuroanatomical, and neurobehavioral endpoints that are potentially useful for identifying pharmacological neuroprotective treatments. Proceedings of the 2004 Medical Chemical Defense Bioscience Review.

Myers, T.M., Sun, W., Bansal, R., **Clark, M.G.**, Saxena, A., and Doctor, B.P. (2003). Safety evaluation of human serum butyrylcholinesterase in Rhesus monkeys. Proceedings of the 2003 Joint Service Scientific Conference on Chemical & Biological Defense Research, 17-20 Nov 2003, Towson, MD, pp 1-8.

Saxena, A., Luo, C., Bansal, R., Sun, W., **Clark, M.**, Doctor, B.P., Ashani, Y., Lenz, D.E. and Ross, M.C. (2002). Human butyrylcholinesterase: a bioscavenger for protection against organophosphate chemical warfare agents. Proceedings of the 23rd Army Science Conference.

Clark, M.G., Saxena, A., Anderson, S.M., Sun, W., Bansal, R., Myers, T.M. and Doctor, B.P. (2002). Behavioral toxicity of purified human serum butyrylcholinesterase in mice. Proceedings of the 2002 Bioscience Medical Defense Review.

Myers, T.M. and **Clark, M.G.** (2002). Assessing the behavioral toxicity of midazolam via the serial-probe recognition performance of rhesus macaques (*Macaca mulatta*). Proceedings of the 2002 Bioscience Medical Defense Review.

Clark, M.G., Saxena, A., Anderson, S. M., Sun, W., Bansal, R., Myers, T. M. and Doctor, B.P. (2002). Behavioral toxicity of purified human serum butyrylcholinesterase in mice. Chemical and Biological Medical Treatment Symposium (CBMTS IV), 29 April-3 May 2002, Spiez, Switzerland.

Saxena, A., Luo, C., Bansal, R., Sun, W., **Clark, M.G.**, Lenz, D.E., Ashani, Y. and Doctor, B.P. (2002). Scavenger protection against organophosphate agents by human serum butyrylcholinesterase. Proceedings of NATO TG-004 Meeting, 3-7 Nov 2002, Oslo, Norway. Retrieved from <http://ftp.rta.nato.int/public/FullText/RTO/TR/RTO-TR-HFM-041/TR-HFM-041-2002-Files/Posters/Saxena2.pdf>.

Saxena, A., Luo, C., Bansal, R., Sun, W., **Clark, M.G.**, Ashani, Y., Ross, M.C. and Doctor, B.P. (2002). Human serum butyrylcholinesterase: A Bioscavenger for protection against organophosphate chemical warfare agents. 2002 Joint Service Scientific Conference on Chemical & Biological Defense Research, 19-21 Nov 2002, Hunt Valley, MD.

Saxena, A., Luo, C., Bansal, R., Sun, W., **Clark, M.**, Ashani, Y., and Doctor, B. P. (2002). Human Butyrylcholinesterase: A future generation antidote for protection against organophosphate agents. Symposium on 'Chemical Warfare Agents: Therapeutic Measures' at the XXXV Annual Conference of Indian Pharmacological Society, Defense Research and Development Establishment, Gwalior, India, 26-29 Nov 2002.

Saxena, A., Luo, C., Bansal, R., Sun, W., **Clark, M.**, Ashani, Y., Ross, M.C., and Doctor, B.P. (2002). Human Serum Butyrylcholinesterase: A future generation antidote for organophosphate chemical warfare agent toxicity. Seventh International Meeting on Cholinesterases, 8-12 Nov 2002, Pucon, Chile.

Saxena, A., Luo, C., Bansal, R., Sun, W., **Clark, M.**, Ashani, Y., Ross, M.C., and Doctor, B.P. (2002). Human Serum Butyrylcholinesterase: The first bioscavenger for protection against organophosphate chemical warfare agents. 3rd Singapore International Symposium on Protection Against Toxic Substances, 2-8 Dec 2002, Singapore.

Degree-related Publications

Clark, M.G. (2000). Induced cerebrocortical microgyria and associated auditory processing deficits in a rodent model. Rutgers University, Newark, NJ.

Clark, M.G. (1995). The effect of phenylisopropyladenosine on activity in chronically caffeinated juvenile rats. Coe College, Cedar Rapids, IA.

Invited Talks

Clark, M.G. (August 2013). Semper gumbly: Surviving in the ever flexible military family. Invited address by the American Psychological Association (APA) Teachers of Psychology in Secondary Schools. 2013 APA Annual Convention, Honolulu, Hawaii.

Clark, M.G. (May 2013). From Science and Technology on the Ground in Iraq to the MOAA Board of Directors: Striving to be a Servant Leader. Invited address at the Military Officers Association of America Southern Tier Chapter Armed Forces Celebration, Vestal, NY.

Clark, M.G. (June 2008). Meeting Urgent Field Requirements through Science and Technology on the Ground in Iraq. Silver Caduceus Society, Fort Detrick, MD.

Clark, M.G. (2006). Advancing Medical Chemical Threat Countermeasure Development through Collaboration. 2006 Bioscience Review.

Panels and Webinars

Clark, M.G. (October 2013). Leadership Responsibility and Preparedness. Panel organizer and moderator with Mr. Jerry DeFancisco, American Red Cross, Ms. Tjada McKenna, USAID, and Ms. Angela Braly. McDonald Cadet Leadership Conference, United States Military Academy, West Point, NY.

Clark, M.G. (October 2013). McDonald Cadet Leadership Conference Alumni Webinar with Mr. Bob McDonald (Invited Webinar Host). Behavioral Sciences and Leadership, United States Military Academy, West Point, NY.

Clark, M.G. (January 2013). Global Leadership Challenges and Opportunities. Invited Webinar Host with Ms. Francis Hesselbein and Dr. Marshall Goldsmith. Behavioral Sciences and Leadership, United States Military Academy, West Point, NY.

Clark, M.G. (October 2012). Health in an Interconnected World. Panel organizer and moderator with Dr. Susan Desmond-Hellman and Ms. Angela Braly. McDonald Cadet Leadership Conference, West Point, NY.

Presentations

Clark, M.G. (March 2014). Techniques, Challenges, Opportunities, and Success in the Flipped Classroom. McGraw-Hill Psychology Symposium, Phoenix, AZ.

Clark, M.G., Saxena, A., Anderson, S. M., Sun, W., Bansal, R., Myers, T. M. and Doctor, B. P. (2002). Behavioral toxicity of purified human serum butyrylcholinesterase in mice. Chemical and Biological Medical Treatment Symposium (CBMTS IV), 29 April-3 May 2002, Spiez, Switzerland.

Doctor, B.P., Saxena, A., **Clark, M.G.,** Bansal, R., Luo, C., Rosenberg, Y., Lenz, D., Ashani, Y. (2002). Scavenger protection against organophosphates by human serum butyrylcholinesterase. Chemical and Biological Medical Treatment Symposium (CBMTS IV), 29 April-3 May 2002, Spiez, Switzerland.

Clark, M.G., & Fitch, R. H. (1999). Animal model for impaired auditory temporal processing: relevance to developmental language impairment. Paper presented at the International Society for Behavioral Neuroscience, Santorini, Greece.

Posters

Clark, M.G., Sipos, M.L., Lukefahr, H., Burchnell, S.V., Sistrunk, E., and Midboe, E.G. (2002). Effects of subacute exposure to VX on the acoustic startle response in 129 SvPaslcoCrlBR mice. Proceedings of the 2002 Bioscience Medical Defense Review.

Doctor, B.P., Saxena, A., **Clark, M.G.,** Rosenberg, Y., Maxwell, D. M., Lenz, D.E., Ashani, Y. (2002). Scavenger protection against organophosphates by cholinesterases. XIth International Symposium on Cholinergic Mechanisms-Function and Dysfunction & 2nd Misrahi Symposium on Neurobiology, 5-9 May, 2002, St. Moritz, Switzerland.

Doctor, B.P., Saxena, A., **Clark, M.,** Bansal, R., Luo, C., Rosenberg, Y., Lenz, D., and Ashani, Y. (2002). Scavenger protection against organophosphates by human serum butyrylcholinesterase. Proceedings of the USAMRICD 2002 Medical Defense Bioscience Review.

Robison, C.L., Dawood, M.Y., **Clark, M.G.,** Mark, B., Fatakawala, M.T., Meyerhoff, J.L. and Lumley, L.A. (2002). Increased ambulatory activity in C57BL/6 mice that received repeated social stress. Soc. Neurosci. Abstr., 28.

Clark, M.G., Vasilevsky, S., Oubre, J.L., and Meyers, T.M. (2002). A comparison of air and shock shuttle-box avoidance in male C57BL/6J and 129X1/SvJ Mice. Soc. Neurosci. Abstr., 28.

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