



# THE INNOVATOR

OPTIMIZING COMBAT CASUALTY CARE



SEPTEMBER 2014

THE NEWSLETTER OF THE U.S. ARMY INSTITUTE OF SURGICAL RESEARCH

## ISR Staff Attend Symposium

Page 4



### Inside This Issue

- CDR's Corner .....Page 2
- MHSRS.....Page 4
- Company Notes.....Page 5
- JTS Wins Wolf Pack Award .....Page 7
- Mabry Featured in LA Fair.....Page 8
- College Interns .....Page 9
- Safety Notes/In the Spotlight.....Page 10
- Health News .....Page 11
- Around the ISR.....Page 12-13
- Baer's Depart for MRMC.....Page 14
- September Kicks Off CFC .....Page 15
- Back When/Awards/Library News .....Page 16



Scan 2-D code for USAISR Website link

### Page 3



ISR Welcomes Sgt. Maj. Rice

### Page 14



Freeze-Dried Plasma Program to Expand

## CDR's Corner



Col. (Dr.) Michael D. Wirt  
Commander, USAISR

### "Optimizing Combat Casualty Care"

Greetings ISR,

This was a busy month with a lot happening and many great things continuing at the Institute. First, I want to congratulate the Joint Trauma System staff for their selection as the winner of the Army Medical Department (AMEDD) Wolf Pack Award for the 4th Quarter of FY14. The Wolf Pack Award was created by the Army Surgeon General and the Chief of AMEDD Civilian Corps to recognize exceptional teamwork by military and civilian teams focused on excellence in support of Army Medicine. Every member of the JTS team was instrumental in earning the award. Great job!

I also want to thank all of the ISR staff members who were able to attend this year's Military Health System Research Symposium. You helped make the symposium a success with

30 podium and 63 poster presentations from your exceptional work completed at the research and clinical directorates and JTS. I received many compliments on your efforts. You should be very proud!

As we move into September, I would like to remind you that the annual Combined Federal Campaign (CFC) kicks off on the 25th and runs through October 9. This once-a-year campaign was designed to provide an avenue that would serve the charitable needs of all Federal employees. Through a voluntary payroll deduction of an amount of your choice, you can contribute to the agency or agencies that you select. Read more about the CFC in this issue of *The Innovator*.

Other important days to remember this month are: the 9/11 Remembrance Day; Grandparents Day will be celebrated on the 7th—the first Sunday af-

ter Labor Day; the 16th marks Mexican Independence Day; Constitution Day will be observed on the 17th; POW/MIA Recognition Day on the 19th; Rosh Hashanah begins at sundown on the 24th; and on the 26th is Native American Day. There are additional days to remember, but these are the ones I'll share with you. Read a Book Day on the 6th; Teddy Bear Day on the 9th; International Peace Day on the 21st; and National Comic Book Day on the 25th.

As I look back at the first month of being the ISR Commander I can tell you that I am highly impressed with your dedication and commitment to our mission. You are making a difference in combat casualty care and I couldn't be more proud to help you lead the charge.

Honored to Serve... Serving to Heal—Hooah!



Col. (Dr.) Michael D. Wirt addresses ISR staff members during his first Commander's Call Aug. 15 in the SAMMC auditorium.



**ARMY MEDICINE**  
Serving To Heal...Honored To Serve

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# ISR staff attend annual CCC symposium

By Steven Galvan  
USAISR Public Affairs Officer

More than fifty U.S. Army Institute of Surgical Research (ISR) staff members were among the 1,500 military medical clinicians and scientists to attend the 2014 Military Health System Research Symposium (MHSRS) at the Harbor Beach Marriott in Fort Lauderdale, Fla. August 18-21.

The four-day annual event provided an academic-based setting to discuss and distribute new scientific knowledge resulting from military-unique research and development. It also provides a scholarly environment for planning and development of future studies aimed at optimizing care for the warfighter in operational settings.

Keynote speakers at MHSRS included Dr. David Smith, Deputy Assistant Secretary of Defense for Force Health Protection and Readiness; Air Force Lt. Gen. Douglas Robb, director of the Defense Health Agency (DHA); Rear Adm. Bruce Doll, DHA director for Research, Development, and Acquisi-

tion and Deputy Commander of U.S. Army Medical Research and Materiel Command (MRMC); and Vice Adm. Matthew Nathan, Surgeon General of the Navy.

According to MRMC Brain Health Coordinator and co-organizer of the symposium, approximately 1,100 post-

**MHSRS continues on page 6**



Col. (Dr.) Anthony J. Johnson



Maria Serio-Melvin and Craig Fenrich



Alicia Ervine

## Company Notes



Company Commander  
Capt. LaShawna N. Ray

Welcome to the ISR family: Sgt. Maj. Quinton Rice Jr., Lt. Col. John Melvin, Maj. Thomas Rountree, Maj. Laura Kraemer, Cpt. Chad Backus, Cpt. Troy Dilmar, Cpt. Trent Peacock, Spc. Alexander Dixon, Pfc. Andres Penagosnino, and Pvt. Chantoy Morgan. You are now a member of a great organization and team. We look forward to your leadership and serving with you.

Congratulations to Sgt. David Shelley and Spc. Harvey Harper for their selection as the NCO and Soldier of the month for August 2014. Their photographs will be on display in the company area.

The ISR Events Committee will be taking pre-orders for our first ISR Polo shirts. The colors to select from are burgundy, gold, white, black or coffee bean. The shirt cost is \$25.00 per shirt. Additional cost will incur if the sizes are extended. All pre-orders must be paid for at the time of order. The sale locations are the ISR lobby Mon. thru Friday from 1200-1300 from until Sept. 5 and area and roving sales will occur for the Clinical areas. For additional support contact Stephanie Truss or Staff Sgt. Tiffany Baldwin.

### Upcoming events:

NCO and Soldier of the Quarter Competition (Sept. 22-25)  
Hispanic Heritage Month observation (Sept 15-Oct. 15)  
Brooke Army Medical Center (BAMC) Organizational Day/Commander's Cup and Gary Sinise-Lt. Dan Band

Concert, scheduled for Sept. 29-Oct. 3  
Combined Federal Campaign Kickoff  
Command Climate Survey

The summer has come to an end and children are back in school. Make sure that you are aware of your

surroundings while driving. Allow yourself enough time to commute in the morning to and from work with the increase in traffic.

Thank you all for everything that you do!



NCO of the Month  
Sgt. David Shelley



Soldier of the Month  
Spc. Harvey Harper



### Save the date!

The USAISR/BHT 4th Annual Operation Flu Shot will be held Sept. 24-25 at the Burn Center and BHT1 2nd floor conference room. Mark your calendars now to ensure that you are locked in to receive your flu shot. It will be offered to all assigned personnel: military, civilian and beneficiary staff. The immunization is mandatory for all military, those with direct patient care, and other designated staff based on mission.

**Volunteer Your Time and Blood!**



**The ISR Coagulation and Blood Research Blood Bank needs YOU!**

**Help develop better blood products for the battlefield.**

**You could be compensated.**

**Contact the CBR Blood Bank for more information.**

MHSRS continued from page 4

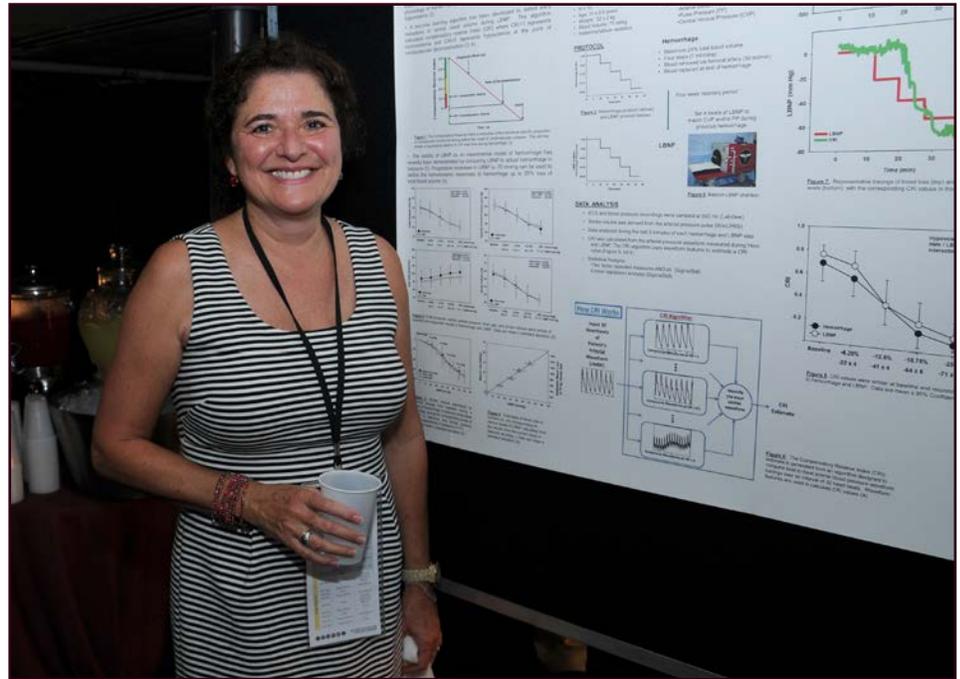
er abstracts were submitted.

“More than double of any previous year,” said Hack.

ISR staff members presented 30 podium talks and 63 posters.

“I am very proud of all the staff members who were present at the symposium and am also proud of those who worked on the projects, but could not attend,” said Col. (Dr.) Michael D. Wirt, ISR Commander. “We are committed to improving the outcomes of our wounded warriors and our research for optimizing combat casualty care will continue being our priority.”

The symposium is the combination of three previous conferences: the former Advanced Technology Applications for Combat Casualty Care Conference; the Air Force Medical Service Medical Research Symposium; and the Navy Medicine Research Conference. By combining these into one event, the symposium serves as a critical strategy session for leaders to set future milestones for DoD’s deployment-related medical research programs, centered on the warfighter’s needs.



Carmen Hinojosa-Laborde, Ph.D.



Jae-Hyek Choi, Ph.D.



Nina Nnamani

# JTS Team Earns AMEDD Wolf Pack Award

By Steven Galvan  
USAISR Public Affairs Officer

The Joint Trauma System (JTS) at the U.S. Army Institute of Surgical Research (USAISR) at Joint Base San Antonio-Fort Sam Houston was selected as the winner of the prestigious U.S. Army Medicine (AMEDD) Wolf Pack Award for the fourth quarter of fiscal year 2014.

“As part of a global, Tri-Service organization committed to the health and welfare of combat wounded warriors, the Team has reduced morbidity and mortality to the lowest levels in history by collecting trauma-injury data in the Department of Defense Trauma Registry,” U.S. Army Deputy Surgeon General and Acting Commander U.S. Army Medical Command Maj. Gen. Brian C. Lein stated in a message congratulating the JTS team. “The Joint Trauma System Team used these trauma records as the basis for analyses to drive process improvements, clinical practice guidelines, and education that ultimately saves lives of the combat wounded. The data statistically shows how these improvements changed the combat casualty care during the OIF/OEF conflicts and led to saved lives and improved care of our wounded warriors.”

According to JTS Director Col. (Dr.) Kirby R. Gross, the JTS team is honored to be the Wolf Pack Award winner.

“Being recognized as an organization which displays exceptional teamwork is particularly rewarding as the Joint Trauma System supports the military trauma system which has teamwork as its foundation for success,” he said.

“This is not only a great honor for the organization, but is further evidence of the JTS Team’s substantial contributions to our combat wounded,” added Col. (Dr.) Michael D. Wirt, commander USAISR. “It further highlights the important contributions our Civilian Corps members, contractors and stu-



JTS Deputy Director Mary Ann Spott and Administrative Officer Dominique Greydanus have been with the JTS since it was established in 2006.

dents make to our joint service military efforts in this critical area.”

The JTS was established in 2006 at the direction of the Assistant Secretary of Defense for Health Affairs and the Service Surgeon General to improve trauma care for combat wounded and has collected data from more than 130,000 combat casualty care records from Iraq and Afghanistan. In 2013 the JTS was designated as a Department of Defense Center of Excellence for Trauma by the Office of the Assistant Secretary of Defense.

“Winning the Wolf Pack Award is a huge accomplishment for the JTS and our staff,” said JTS Administrative Officer Dominique Greydanus, who was instrumental in establishing it. “However, the real reward is knowing that on a daily basis we are helping to improve every service members ability to come home. We would not be able to accomplish this without our dedicated staff who all are vested in saving their lives, not only on the battlefield, but wherever they are serving.”

“Congratulations to the Joint Trauma System Team for your efforts that have resulted in a realized vision

of Soldiers, Sailors, Airmen, and Marines injured on the battlefield having an optimal chance for survival and improved functional recovery,” stated Lein.

The Wolf Pack Award is a quarterly award which recognizes collaborative team effort by military and Department of the Army civilians working together to make a significant impact to Army Medicine.



# Mabry to be featured in LA County Fair

By Steven Galvan  
USAISR Public Affairs Officer

Lt. Col. (Dr.) Robert L. Mabry, Director, Trauma Care Delivery of the Joint Trauma System at the U.S. Army Institute of Surgical Research will be featured at this year's Los Angeles County Fair. A poster with Mabry's photos and a short description of his contributions to emergency medicine will be on display at an educational exhibition called the Hall of Heroes "Real Life Heroes."

Michael Converse, the exhibition hall coordinator said that he was looking for a civilian emergency medical service to feature alongside other real life heroes.

"I contacted the American College of Emergency Physicians," said Converse. "A Rick Murray [ACEP Director EMS/Disaster Preparedness] told me about Dr. Mabry whose story is so remarkable that he became an obvious choice."

Mabry's astonishing military career began in 1984 when he enlisted in the Army as an infantryman and then become a Special Forces combat medic. He was among the Army Rangers who deployed during the 1993 battle in Mogadishu, Somalia that was depicted in the movie "Black Hawk Down." During his last five years as an enlisted Soldier, where he earned the rank of Sgt. 1st Class, he attended college in the evenings and weekends to earn the prerequisites for medical school.

In 1995 he attended the Uniformed Services University of Health Sciences in Bethesda, Md., and returned to San Antonio to do his residency at Brooke Army Medical Center. Mabry deployed to Afghanistan in 2005 as a battalion surgeon with the Special Forces and again in 2010 as the Prehospital Director for the Joint Theater Trauma System. With his hands-on combat deployment experience he designed a fellowship program at the San Antonio Military Medical Center that is de-

signed to improve the survival chances of combat wounded.

Mabry's poster will be among more than 20 others highlighting 40 real life heroes to include: Captain Chelsey "Sully" Sullenberger who successfully landed a disabled airbus in the Hudson River in 2009; 104-year-old World War II veteran Bea Cohen who has

spent more than 70 years supporting the Armed Forces and giving back to United States; and the 19 members of the Granite Mountain Hot Shot Crew who were killed while battling a blaze outside Prescott, Ariz. in 2013.

When asked about his thoughts on his poster at the LA County Fair, Mabry modestly said, "It's pretty neat."

**Lt. Col (Dr.) Robert Mabry**

*"What I do is I eat, drink, live and breath battlefield medical care" -LTC Dr. Bob Mabry*

**Leading the Fight to Bring Them Back Alive**

Since his experience as a medic in the Battle of Mogadishu in 1993 (Black Hawk Down), Lt. Col. (Dr.) Bob Mabry has dedicated his career to improving battlefield care for wounded soldiers. He is currently the Director, Trauma Care Delivery at the Joint Trauma System of the U.S. Army Institute of Surgical Research. Dr. Mabry has helped change the Army's pre-hospital care, resulting in a big improvement in survival rates. "It is critical that we have a frank assessment of the medical care lessons learned from battles like Somalia, and battles we've fought in the last decade, so we can bring everyone back who has a chance of surviving." Dr. Mabry has been directly involved in the most significant prehospital battlefield medical advances over the past decade. His current list of postings, degrees, awards, publications, and commendations is over 9 pages long, ending with: "References Available on Request". Thanks, Dr. Mabry, but that won't be necessary. You are a hero.

Evolution of Military Prehospital Care: Past, Present, Future  
LTC Bob Mabry

Keeping his journal current, with the help of a furry friend, in Afghanistan.

SOMALIA VETERAN  
OPERATION RESTORE HOPE

## College interns introduced to combat casualty care research

By Steven Galvan  
USAISR Public Affairs Officer

While some college students spent their summer relaxing and recharging by the pool or beach, the U.S. Army Institute of Surgical Research (ISR) hosted nine undergraduate college students for internships to conduct combat casualty care research for 10 weeks.

“The purpose of this program is to give students exposure to the lab environment and invaluable research experience,” said David M. Burmeister, Ph.D., an ISR staff scientist and lead intern mentor. “Hopefully this not only helps them clarify what their goals and aspirations are for the future, but also facilitates reaching those goals.”

The interns were paired up with ISR researchers who served as mentors to work on projects to further the Institute’s mission of optimizing combat casualty care.

“This program introduces Army programmatic research to students who are interested in careers in science and medicine,” said Maj. Stuart Tyner, ISR’s deputy director of research. “Unlike an academic research setting, the research performed at the ISR is geared towards solving a military important medical threat and develops products, things or knowledge that solves that problem.”

Sean Christy, a sophomore at Southwestern University and biology major was assigned to do research with microbiologist Lloyd Rose, Ph.D., at the ISR Dental and Trauma Research Detachment. Christy’s project involved the use of skin cells and the healing process after a burn.

“I’m taking samples of tissue to determine what happens to genes that leads to good or bad healing,” said Christy.

Rose added that genes play a major role is how a burn patient heals and the scarring associated with the healing.

“Every burn patient heals different,” said Rose. “We’re breaking down the genes to determine what it is in the



Sean Christy, left, a summer intern was assigned to do research with microbiologist Lloyd Rose, Ph.D., at the ISR Dental and Trauma Research Detachment.

DNA that determines the healing and scarring pattern.”

Research runs in the family for Christy. His mom and dad both hold Ph.D.’s and involved in research. This is the second summer that Christy has spent at the ISR. He said he enjoys this type of research and something that he is going to pursue as a career.

“Yeah, I guess you could say it’s in my blood,” said Christy.

While research is something that Christy has always been around, it’s not the case for all interns. Claire Caldwell, a sophomore and chemistry major at Texas A&M said that she had no idea that combat casualty care research existed. She learned about the ISR undergraduate internship program by chance. While waiting at a barber shop for a friend to get a haircut she met the ISR Joint Trauma System (JTS) director of trauma care delivery who told her about the program and suggested that she apply for it.

She did and was assigned to intern with the director of the JTS. Caldwell learned the JTS mission and how data is used to identify shortcomings in military medicine and care, and to

create new guidelines to improve those shortcomings.

“This has been a great opportunity for me,” she said. “When I look at the data, I don’t see numbers. These numbers represent people and I get to work on a project that can save lives.”

Caldwell, a cadet at A&M is on contract to join the Air Force when she graduates. She said that after having been exposed to combat casualty care research she now has a new perspective on her career.

“Now I want to go to medical school,” said Caldwell.

The interns’ time at the ISR was more than learning about combat casualty research. The interns attended weekly seminars; each intern led a journal club session, and attended Burn Center rounds. Their summer work culminates with a poster presentation on the research they conducted.

“Everyone is welcome to stop by and see specifically what they have done this summer,” said Burmeister. “They were extremely active in the lab and there was added benefit to advancing the research performed here.”

# Safety Notes

by Stephanie L. Truss  
Health, Safety and Environmental Specialist



With many kids either back at school or days away from going back, AAA and the Texas Department of Transportation has some important safety tips. Driving through a school zone can be dangerous for both pedestrians and drivers if safety isn't a priority. And don't forget to obey all rules of the road.

The Texas Department of Transportation is offering new back-to-school driving tips with a new school year set to kick-off this month. The tips are part of TxDOT's "Be Safe. Drive Smart" campaign. Following these simple tips can help children reach school safely and help drivers avoid fines and tickets.

### Tips for Driving in School Zones:

- Put away your cell phone. Cell phone use is banned in active school zones, and violators face fines of up to \$200 in school zones where signs are posted.
- Always obey school zone speed limit signs. Remember, traffic fines usually double in school zones.
- Drop off and pick up your children in your school's designated areas, not the middle of the street.
- Keep an eye on children gathered at bus stops.
- Be alert for children who might dart across the street or between vehicles on their way to school.
- At 10 miles an hour instead of 15- you are two-thirds less likely to strike and kill a pedestrian.
- You are also asked to stay focused and keep your eyes on what is

## In the Spotlight

**Randy E. Malone**

**Job title:** Clinical Data Specialist

**How long have you worked at the ISR?** 2 1/2 years

**What or who has been an inspiration to you in your work?**  
All my coworkers at the ISR. To be a small part of this inspirational team is heartening.



**What is your favorite part of your work?** Witnessing the truly ground-breaking, patient-centered improvements to combat casualty care and knowing that someone's loved one suffered less due to our efforts.

**Your proudest achievement?** I am proud to say that I am an employee of the DoD Trauma Registry—an organization meant to serve America's warriors.

**Short- and long-term goals:** Short-term goal is to assist the newly formed Acoustic Trauma Module to stand-up and flourish. Long-term goal is to continue to provide insight and lessons learned to coworkers and staff as appropriate.

**Hobbies:** My wife and family, humor, laughing and anything mechanical—motorcycles, muscle cars and 4x4 trucks

**Favorite book:** *The Bible*. It keeps me grounded and reminds me of what is most important in my life.

**Favorite movie/TV show:** *Nacho Libre*, and a tie between *Breaking Bad* and *The Walking Dead*.

**Favorite quote:** Rick, the lead character in *The Walking Dead*--at the close of last season he directs this statement towards a group of "evil doer's."  
"They have messed with the wrong people!"

coming up.

- Do not use your phone or change a radio station- that breaks your concentration.
- Plan ahead. This allows you to arrive at your destination on time by dealing better with unplanned events like a traffic back-up.
- Don't forget to stop for school buses on both sides of undivided roads while they drop off passengers.
- Watch out for people coming out of driveways.
- Watch for bike traffic.

### Tips for Children Walking or Biking to School:

- Always cross at intersections and designated crosswalks. Look left,

right and then left again before proceeding.

- Look for traffic when stepping off a bus or from behind parked cars.
- Make eye contact with drivers before crossing the street.
- Always obey crossing guards.
- Always wear a helmet when riding a bicycle.

### Tips for Sharing the Road with School Buses:

- Always stop for flashing red lights on a school bus, regardless of which direction you're headed.
- If you are on the other side of a divided highway, you do not have to stop for a bus with flashing red lights, but please still use caution

**SAFETY continues on page 11**

## Health News

By Maria G. Dominguez, R.N. COHN-S/CM Occupational Health



As we prepare and get children back to school has it ever come to mind the number of children with cancer preparing for back to school? Children with other disabilities and/or illness? At the MD Anderson Children's Cancer Hospital in Houston, all pediatric patients are invited to participate in the in-hospital private school, focusing on elementary through secondary (K-12) education. This school program is available to outpatients as well as inpatients.

In Texas a new program developing is "Morgan's Angels." It is a program that provides robots in the form of a four-foot tall white robots on wheels. Morgan's Angels is operated by the Region 6 Education Service Center in Huntsville that provides VGo robots to homebound students so they can attend class and interact with their classmates.

The program is named for Morgan LaRue, a Lovelady Independent School District student diagnosed with osteosarcoma, a rare form of bone cancer. Morgan started using her VGo robot, which she named "MoGo," shortly before she had limb salvage surgery to remove a tumor in her right leg during the fall of 2012. The robots cost between \$5,000 and \$6,000 each to operate, with many of the operating costs coming from private donations.

Cancer is the second leading cause of death in children, after accidents; ages 1-19. About 1,350 children

younger than 15 years old are expected to die from cancer in 2014. The causes of cancer in childhood are not well understood. The types of cancers that develop in children are often different from the types that develop in adults. Unlike many cancers in adults, childhood cancers are not strongly linked to lifestyle or environmental risk factors. Childhood cancers are often the result of DNA changes in cells that take place very early in life, sometimes even before birth.

The most common cancers of children are: Leukemia, Neuroblastoma, Wilms tumor, Lymphoma (including both Hodgkin and non-Hodgkin), Rhabdomyosarcoma, Retinoblastoma Bone cancer (including osteosarcoma and Ewing sarcoma) and gonadal (ovarian and testicular) germ cell tumors. With acute lymphoblastic leukemia being the most common childhood cancer.

Childhood cancer rates have been rising slightly for the past few decades. Childhood cancers are rare making up less than 1 percent of all cancers diagnosed each year. There are no widely recommended screening tests to look for cancer in children who are not at increased risk. Some children may have a higher chance of developing a specific type of cancer because of certain gene changes they inherit from a parent. These children may need careful, regular medical check-ups that include special tests to look for early signs of cancer.

It's important for childhood cancer survivors to have regular medical follow-up examinations so any health problems that occur can be identified and treated as soon as possible.

September also brings other Cancer Awareness. It calls attention to Leukemia, Lymphoma and Myeloma Awareness Month; Gynecologic Cancer Awareness Month; Prostate Cancer Awareness Month which is promoted

with the Urology Care Foundation.

How about prevention? In Texas we have two major expert sources for treatment and prevention and research information. MD Anderson Hospital not only is a cancer treatment center but also has a Cancer Prevention Center with cancer prevention programs focusing on research, patient care and education. The goal is to reduce established cancer risk factors (e.g., tobacco, obesity, unhealthy diets, physical inactivity, excessive ultraviolet exposure, cancer screenings and cancer (e.g., incidence, morbidity, mortality) in the community.

At CTTC in San Antonio, The Cancer Prevention and Population Science (CPPS) program conducts collaborative, hypothesis- and evidence-based, translational cancer prevention and control research that covers the entire cancer continuum—primary prevention, early detection, laboratory research, clinical trials and applications, diagnosis and treatment, quality of life and survivorship.

As part of health and cancer prevention September 27 is Family Health and Fitness Day—initiated in response to the U.S. Surgeon General's Report on Physical Activity and Health. The event is always held on the last Saturday in September. Think Army TRIAD, and put this day on your calendar!



# Around the ISR



Top left: Staff Sgt. Connie Hinrichs, left, presents Staff Sgt. Michael Cavallo with a plaque during his going-away luncheon Aug. 7. Photo by Spc. Micah Korff.  
Top right: Leila Rathburn, David Baer, Ph.D. and Kathy Ryan, Ph.D. during Baer's going away gathering by the Resource Directorate Aug. 8.  
Center right: Lt. Col. Wylan Peterson has his new rank pinned on him by his mother Portia at his promotion ceremony Aug. 1.  
Bottom right: Capt. Rebecca Morrell, left, presents Sgt. Elizabeth Lacey with her Certificate of Promotion Aug. 4.



Around the ISR continued



Top left: A rainbow over SAMMC before a storm Aug. 26. Photo by Jen Nyland, Ph.D.  
Top right: Victoria Hatem, Lt. Col. Sandra Escolas and Gale Mankoff after the Commander's Call Aug. 15.  
Bottom right: Spc. Belinda Becoat-Rogers with former WWE professional wrestler Ted Dibiase Jr. who was at the Burn Center visiting patients Aug. 5.  
Center left: Former WWE professional wrestler Ted Dibiase Jr., center, who was at the Burn Center visiting patients Aug. 5 takes time to pose with some staff members of 4E.

# Director of Research departs for MRMC

By Steven Galvan  
USAISR Public Affairs Officer

After 15 years at U.S. Army Institute of Surgical Research (ISR), David G. Baer, Ph.D., Director of Research, departs for a position at the U.S. Army Medical Research and Materiel Command (MRMC) Fort Detrick, Md. Baer, who has been the director of research since 2007 will take the position of Deputy Director, Combat Casualty Care Program at MRMC. His wife Pamela Brown-Baer, DDS, a primary investigator for the Cranial Facial Bone Regeneration at the ISR Dental and Trauma Research Detachment will join him where she will take a position with Clinical Rehabilitation at Fort Detrick.

Baer joined the ISR in 1999 as an active duty Army captain in the Med-

ical Service Corps Laboratory Science officer where he conducted research on wound healing/infection, tourniquet development and fielding, muscle injury, and traumatic wound modeling and imaging until 2003. From 2003 to 2007, he was the Task Area Manager for Bone and Soft Tissue Trauma Research.

“It has been a privilege to work at the ISR and to get to know so many dedicated and talented people,” said Baer. “I will look forward to seeing more great things that build on the Institute’s long history of optimizing combat casualty care.”

“Thanks to all of the dedication and teamwork that went into making our regenerative research successful,” added Brown-Baer. “Working at the ISR was an incredible opportunity—one I will remember with great fondness.”



David G. Baer, Ph.D. and Pamela Brown-Baer, DDS, during a going away ceremony Aug. 7.

# U.S., France Armies join forces to expand freeze-dried plasma

By Steven Galvan  
USAISR Public Affairs Officer

Since 2012, U.S. Army Special Forces medics have had limited quantities of freeze-dried plasma (FDP) available for use in remote locations through a Food and Drug Administration (FDA) Expanded Access Investigational New Drug protocol. The limited amount could soon change and more U.S. military members could have access to FDP made available through an agreement between the U.S. and French Armies.

“The Army Blood Program, the Armed Services Blood Program Office, the US Army Medical Research and Materiel Command, the U.S. Army Institute of Surgical Research (ISR), and the French army are working on expanding this program,” said Lt. Col. (Dr.) Andrew P. Cap, ISR chief of blood research. “The expansion would be through a joint manufacturing agreement in which FDA-approved plasma collected in the U.S. by the



“The expansion would be through a joint manufacturing agreement in which FDA-approved plasma collected in the U.S. by the military would be sent to France and manufactured into the freeze-dried plasma product for use by a greater number of U.S. Armed Forces.”

**Lt. Col. (Dr.) Andrew P. Cap**  
ISR chief of blood research

military would be sent to France and manufactured into the freeze-dried plasma product for use by a greater number of U.S. Armed Forces.”

A pilot project was successfully completed in early 2014 to test the possibility of the U.S./France joint manufacturing program. According to Cap, “the product met all standard quality control tests.”

The Army currently receives about

200 units per year from the French Military Medical Service. The FDP is officially called French Lyophilized Plasma (FLyP) and has been used to successfully resuscitate critically injured U.S. Special Forces combat casualties. FLyP is a universal product that is compatible with any blood type.

The U.S. military used FDP during WWII, but due to blood-borne infections like hepatitis, the program was suspended. Now made safe due to in-

fectious disease testing, FDP contains blood coagulation factors, which helps injured soldiers form blood clots that stop bleeding. Medics can administer the product on the battlefield within minutes and save lives.

“The French military has been making this product, basically since the 1940s with technology they got from the U.S. military and have since modified and improved it. We are now bringing it home,” said Cap.

## ISR CFC Campaign Kicks Off in September

By Steven Galvan  
USAISR Public Affairs Officer

The U.S. Army Institute of Surgical Research (ISR) will kick-off the 2014 Combined Federal Campaign (CFC) on Sept. 25 and will run until Oct. 9. This year’s ISR CFC Project Officer is Capt. K.C. Dunham said that the once-a-year campaign is an opportunity for military and Federal employees to donate a tax deductible contribution to an agency or agencies of their choice.

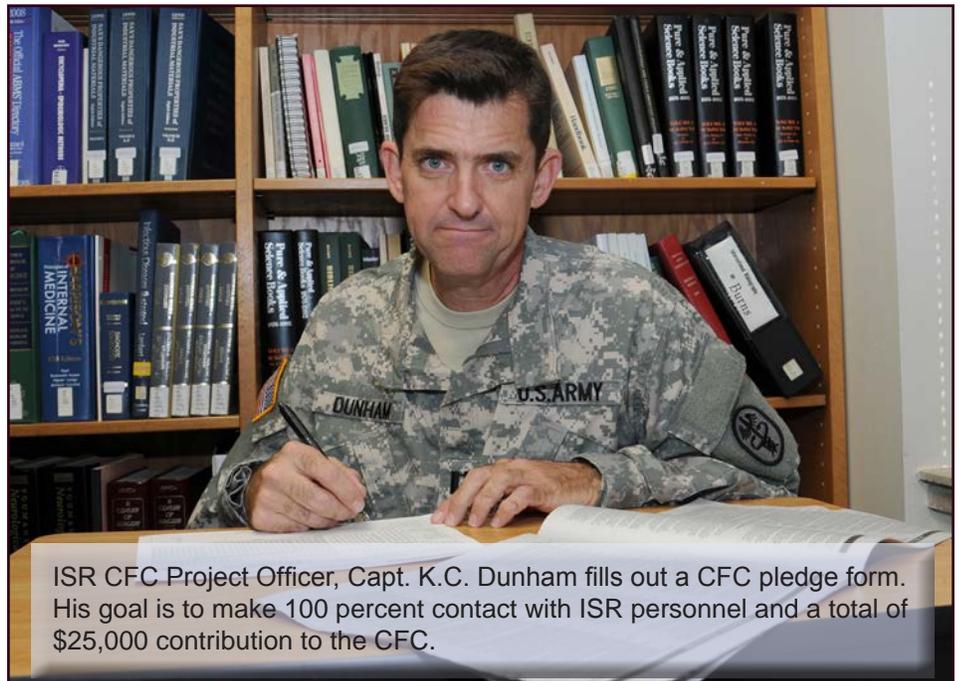
“The CFC is not a charitable agency,” said Dunham. “It is a service provided to all Federal employees to help them meet their charitable objectives through a convenient, efficient and reliable way of contributing.”

Contributions to the CFC can be done through a monthly payroll deduction or by a one-time contribution. The first payroll deduction will commence on Jan. 1 and will continue through Dec. 31. The allotment will automatically terminate at the end of the year.

“A modest routine paycheck deduction can add up to a meaningful total gift,” added Dunham.

Last year, the San Antonio CFC raised more than 5.3 million dollars benefiting local, national and international agencies.

“Every contribution can make a difference,” Dunham said.



ISR CFC Project Officer, Capt. K.C. Dunham fills out a CFC pledge form. His goal is to make 100 percent contact with ISR personnel and a total of \$25,000 contribution to the CFC.

Your annual contribution of:

- \$500 can provide food, clothing and shelter for 3 people left without money or belongings following a disaster such as fire, flood or earthquake
- \$450 can pay for the drilling of a clean water well for 3 villages, preventing devastating waterborne diseases
- \$400 can fund an annual membership to a boys and girls club for 40 underprivileged children
- \$300 can provide 36 blankets to children in a refugee camp
- \$200 can buy schoolbooks and supplies for 8 poor children for one year
- \$150 can provide 2 hours of speech therapy services for a child unable to speak properly, or cover the cost of diagnostic lab cultures for 4 children
- \$125 can make possible 2 nights of shelter and food for a battered woman and child, in addition to counseling and legal referral for the mother; or provide two months transportation to kidney dialysis treatment
- \$100 can immunize 20 children against measles, tetanus, whooping cough, tuberculosis, diphtheria and polio
- \$50 can make an important contribution to research that could help find the cure to many diseases



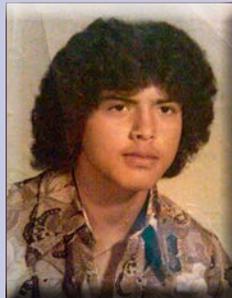
Back When...



Can you guess who this ISR staff member is? This photo was taken in 1989 when she was in Basic Training at Fort Dix, N.J.

Submit your "Back When" photo to the PAO for publication in the upcoming issues of *The Innovator*.

Last Month's Answer:



Ricardo "Rick" Anzaldua  
Executive Assistant  
to the Chief of Staff

**SAFETY continued from page 10**

- as children are around.
- School buses stop at all railroad crossings, so be prepared to stop if you are behind a bus.
- Watch for children who might run across the street as they get on or off the bus.

Last year, 625 vehicle crashes occurred in school zones in Texas, resulting in two deaths and 112 serious injuries, according to TxDOT. August and September of 2013 alone saw 104 crashes in school zones. The most common factors contributing to these crashes were driver inattention, failure to control speed and failure to yield the right-of-way at stop signs, according to TxDOT.

the full-text if we are entitled to it as you search PubMed.

Further down along our offerings you will see various databases made available through the Army Library Program and other shared resources. Again, you can find thousands of full-text books and periodicals right on your desktop.

Do not hesitate to explore our electronic holdings. If you have questions, use the Ask a Librarian e-mail link on the Intranet page or contact me directly.

We are here to serve every staff member. We want you to know what you have available and what is accessible to you 24/7.

By applying for and receiving a MyAthens account you can work from home, TDY, or other computers without delays or blocks. Just be sure you have a current registration with the ISR Library. The forms are available here or online on our Intranet under Forms and Publications. Fill one out, send it to the library and you will be able to register for MyAthens.

Any questions, concerns or suggestions are always welcome. Thank you for using the ISR Library.

Library News

By Gerri Trumbo  
Library Manager



In keeping up with modern library environments and management decisions we have established a vital comprehensive electronic library here at the ISR.

Our electronic contents can be found in various forms (direct links, database searching and shared library resources) on the ISR Library Intranet pages.

We urge you to check these out carefully and learn how to make your

research needs become just a matter of a few clicks.

Our main homepage contains most of the links to full-text title available to us through our own subscriptions and through consortia purchases made available to us. We show you what we own here in print at the ISR and the link to the electronic version of the print if available. We offer you the combined portals of TDNet (LEAP) and MyAthens with thousands of full-text journals available. PubMed searching is available through each portal, and you will get direct links to

