Dear Friends,

As I reflect upon 2009, I am reminded of Helen Keller’s simple, yet profound observation: “Alone we can do so little; together, we can do so much.” Indeed, everything we accomplish at the University of Arizona Steele Children’s Research Center is a result of individuals working together to make the world a better place for children. You will see this idea woven into the articles throughout this annual review.

As UMC and the UA Steele Center work together to complete Diamond Children’s Medical Center, I am inspired by what this momentous accomplishment signifies. Diamond Children’s will provide compassionate, expert and family-centered care by our world-class physicians, nurses, specialists and residents—in a beautiful, state-of-the-art facility designed for children and their families. Hope is on the horizon!

What’s more, because Diamond Children’s is connected to the Steele Center, our young patients benefit from being treated by physician-scientists who also are researching the causes of, and developing new treatments and cures for, children’s illnesses. We ardently strive to improve clinical care through translational, or “bench to bedside” research. This means translating our basic-science research discoveries (bench) to practical, clinical applications that benefit the child (bedside).

For example, our Dorrance Fellow in Pediatric Gastroenterology and Nutrition—Rajalakshmy Ramalingam—has made a discovery that may bring new understanding to what causes IBD (inflammatory bowel disease). Collin LaCasse, our Courtney Page Zillman Fellow, is working with the pediatric oncology research team to advance the CRCL cancer vaccine developed here and now heading toward clinical trials.

It is no coincidence that the most remarkable advances in children’s health over the past 10 years were achieved by academically-based children’s medical centers. In fact, all top-ranked children’s hospitals are connected to academic medical centers, such as Children’s Hospital Boston (Harvard) and Children’s Hospital of Philadelphia (University of Pennsylvania). By working together, I know Diamond Children’s and the Steele Center soon will be a top-ranked academic children’s medical center as well.

No child should suffer from cancer, diabetes, gastrointestinal disorders, heart problems or the myriad other pediatric illnesses. But, when a child is sick from illness or injury, we are here to provide exceptional care. Because of friends and supporters like you, the Steele Center continues to improve children’s health through our mission to teach, to heal and to discover. Together, we are making the world a healthier place for children.

With gratitude,
Fayez K. Ghishan, MD
Professor and Head, Department of Pediatrics
The University of Arizona College of Medicine

Steele Center Receives Grant to Study the Role of Calcium and Klotho Gene in IBD-related Bone Loss

The Steele Children’s Research Center received an NIH American Recovery and Reinvestment Act grant for $605,250 that expands ongoing research conducted by Dr. Ghishan and his research team. The two-year grant, titled “Development of Intestinal Transport of Calcium and Phosphate,” investigates another key component of bone health—calcium—and how inflammation affects calcium absorption by the gut and the kidneys.

“Our previous research focused on phosphate balance. This study will focus on calcium absorption. It takes both to develop strong bones,” says Dr. Ghishan, principal investigator of the study.

In children and young adults suffering from inflammatory bowel diseases (IBD), bone density often is affected, resulting in osteopenia or osteoporosis. This decrease results in a higher risk of bone fractures later in life. “Although we have long suspected that calcium deficiency may be an underlying factor in IBD-related bone loss, the mechanisms by which the calcium absorptive and re-absorptive mechanisms are disrupted by chronic intestinal inflammation are still unknown,” says Pawel Kiela, DVM, PhD, co-investigator of the study. “So, it’s vital to understand how inflammation affects the key players involved in the maintenance of calcium balance.”

One mechanism the research team will explore is the role the “Klotho” gene plays in how calcium is transported and absorbed by the kidneys. Previous research established that when Klotho is down-regulated, signs of premature aging appear, including osteoporosis.

Recently, the Steele Center team discovered that Klotho is down-regulated in acute and chronic colitis. “This is a fascinating connection,” Dr. Kiela says. “We’re now hypothesizing that when Klotho is down-regulated, it negatively affects renal calcium reabsorption which, along with other metabolic complications, contributes to colitis-associated calcium imbalance and the resulting bone loss.”

“The more we understand the mechanisms involved in calcium and phosphate absorption, the better chance we’ll have of developing new therapies to help children and adults suffering from IBD-related bone loss,” says Dr. Ghishan.
In 1992, the Arizona Elks Major Projects began their incredible commitment to the work of the Steele Children’s Research Center. Raising between $200,000 and $300,000 each year, the Elks have made a significant difference in children’s health. Here are highlights of Elks-supported projects through the years:

**Arizona Elks Laboratories for Transplantation Research**
Amount raised: $275,000
One of the first projects the Elks undertook was supporting the building of two research labs on the sixth floor of the Steele Center. These labs currently house researchers who specialize in gastroenterology and nutrition.

**Seed Research Awards**
Amount raised: $1.2 million
Seed grants allow investigators to “prime the pump” with preliminary data, which will make their research projects more attractive to state and federal funding agencies.

**Education**
Amount raised: $50,000
The education funds assisted with developing the first Pediatric Integrative Medicine Conference, and supported the “Morning for Children’s Health” workshops for parents.

**Arizona Elks Clinic for Children and Young Adults**
Amount raised: $390,000
In 2001, the Arizona Elks celebrated the grand re-opening of the newly named “Arizona Elks Clinic for Children and Young Adults.” The renovated clinic now includes separate waiting areas for sick children and well children, and more efficient space for doctors, nurses and staff.

**Core Support**
Amount raised: $255,000
Core support funds are used to improve facilities and repair research equipment throughout the Steele Center.

**Marvin Lewis Pediatric Teaching Center**
Amount raised: $310,000
Marvin Lewis, a past Grand Exalted Ruler, was passionate about education and helping children. Funds were used to renovate the pediatric residency offices and create a conference room. Upon completion, the space was named the “Marvin Lewis Pediatric Teaching Center.”

**Arizona Elks Endowed Chair in Neonatology Research**
Amount raised: $1.8 million (Goal: $2.5 million)
In 2003, the Arizona Elks committed to creating the “Arizona Elks Endowed Chair in Neonatology Research.” An endowed chair generates income that lasts forever. Every year, a portion of the interest is available to the Chair to support research and provide seed funding to promising young investigators interested in neonatal research.

**Toys, Blankets, Beanies and Booties**
Amount raised: Priceless
There is simply no price that can be assigned to the hundreds of blankets, beanies and booties that have been knitted by the Elks for the premature babies at University Medical Center. Or the thousands of donated toys and blankets that have brought a smile to a sick child’s face.

We are immensely grateful for these priceless gifts from the Arizona Elks lodges throughout Arizona!

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*Amy and John Manzo: Grateful for the Arizona Elks and Steele Center Physicians*

Our second daughter, Giovanna, was born on September 1, 2005. She seemed to be healthy during her first year of life. After her 1-year-old checkup and vaccinations, we realized something was seriously wrong. That was the beginning of Giovanna’s battle with illness after illness, infection after infection. We were seen by several specialists in the Phoenix area. Over the past three years, we’ve traveled to Lucile Packard Children’s Hospital at Stanford in California, The Mayo Clinic in Minnesota, and The Children’s Hospital in Colorado. We watched Giovanna become extremely ill and suffer respiratory and cardiac arrest. She has been hospitalized eight times.

Most recently, Linda Lewandowski, with the Arizona Elks Major Projects, arranged for Giovanna to be examined by Steele Center physicians Drs. Michael and Cori Daines. The “Great Daines,” as we call them, reviewed Giovanna’s medical records and helped us understand her illness and treatment. Giovanna suffers from an unknown chronic disease that attacks her sinuses and lungs. Dr. Cori Daines placed Giovanna’s illness in an “unknown category” with “primary ciliary dyskinesia” and “cystic fibrosis” symptoms.

We are so grateful to the Arizona Elks Major Projects and Drs. Michael and Cori Daines for the treatment, support and encouragement they’ve given us in caring for our daughter!

—Amy and John Manzo, members of Chandler Elks Lodge, No. 2429
Thanks to the Dorrance Endowed Fellowship in Pediatric Gastroenterology and Nutrition, I’m investigating the immunological mechanisms that may contribute to the development of Inflammatory Bowel Disease (IBD), a painful gastrointestinal disorder and autoimmune disease affecting millions of Americans, where nearly one in four are under 20 years old.

Our research team has developed a mouse model with a specific gene (tumor growth factor receptor) deleted from a particular type of immune cell to study its contribution to the cause of IBD. Exceeding our expectations, these genetically modified mice develop systemic autoimmune disease. This exciting observation now has broadened our scope of research. There are approximately 150 different autoimmune diseases, including IBD. Research involved in understanding the mechanisms of these diseases is essential for developing new methods to improve diagnosis and treatment.

Because of the Dorrance Family Foundation and the leadership of Drs. Ghishan and Kiela, our laboratory not only has survived during this difficult economic time, but we have made major scientific advancements. The Dorrance Fellowship could not have come at a better time, with expertise in immunology and genetics, to pursue my PhD in immunobiology at the Steele Children’s Research Center. Thank you!

Stephen Placencia was a quiet young man with friendly blue eyes and a warm smile. Humble in spirit and naturally athletic, Stephen excelled at soccer. As a member of the Cienega High School varsity soccer team, he was the highest scorer during his sophomore year. Stephen also enjoyed riding dirt bikes and spending time with his friends and family.

In 2005, when Stephen was 14, he was diagnosed with a rare form of liver cancer—fibrolamellar hepatocellular carcinoma. After many surgeries, radiation, and chemotherapy treatments, Stephen passed away on January 14, 2008. He was only 17. “Through it all,” says Stephen’s mom, Francie, “he never questioned why he got cancer. He accepted it with grace and just went through it. Stephen had an amazing spirit, and we loved him beyond words.”

While hospitalized, Stephen noticed few activities available for teenagers. “When teens are hospitalized, their stay is more bearable if there are fun things for them to do, such as playing video games or the Wii, or watching movies that appeal to them,” says Francie. “Stephen wanted to improve the experience of teens who were hospitalized.”

About a year after Stephen’s death, Francie and her husband, Steve, created the Kick Cancer for Stephen Foundation. The foundation’s goals are to provide funding for pediatric cancer research at the Steele Children’s Research Center, provide activities for hospitalized teenagers and provide resources to parents and family members who have a child with cancer or have lost a child to cancer.

So far, the foundation has donated flat-screen TVs, gaming systems, X-boxes and Playstations, Wii systems, Guitar Hero, games, movies, Best Buy gift cards and countless snacks and drinks to the infusion clinic within the Elks Clinic for Children and Young Adults and to the pediatric wards at University Medical Center.

“The children get so excited when they see the games they can play while receiving treatment,” says Laura DiStefano, one of the nurses who treated Stephen at the infusion clinic. “The games help them endure their treatments. We are inspired by Steve and Francie’s commitment to help these kids and families.”

“This has been a meaningful way for us to keep Stephen’s memory alive, and I see something positive coming out of this,” says Francie. “We’re doing it in Stephen’s honor, because he touched so many lives and we want his spirit to be carried on.”

If you would like to contribute to Kick Cancer for Stephen, please visit: www.kickcancerforstephen.com.
Congratulations to Dr. Ghishan, who received a prestigious Distinguished Alumnus Award for Achievement from the University of Iowa Carver College of Medicine. He was honored during a special awards luncheon ceremony in June.

The Distinguished Alumni Award is the highest honor the college bestows upon its graduates, recognizing those who have transcended their fundamental roles as health-care providers, scientists and educators to become leaders in the advancement of medicine.

Dr. Ghishan was honored with the Award for Achievement for his continued leadership in pediatric gastroenterology, which has advanced patient care, research and teaching. Internationally recognized for his research in pediatric gastroenterology and nutrition, Dr. Ghishan has authored more than 400 publications including original articles, editorials, abstracts, book reviews and chapters. His groundbreaking research has continuously been funded by the National Institutes of Health for the past 30 years.

Steele Children’s Research Center scientist and pediatric oncologist Emmanuel Katsanis, MD, Professor of Pediatrics and Chief of the Section of Pediatric Hematology/Oncology was named one of only five UA Leading Edge Researchers.

Dr. Katsanis, who holds the prestigious Louise Thomas Endowed Chair in Pediatric Cancer Research at the Steele Center, was honored at the UA’s sixth annual Innovation Day celebration in March, which recognized research achievements of students, faculty and staff. He was honored for his ground-breaking research in the development of the novel cancer vaccine, CRCL, which is nearing human clinical trials.

“We’re very happy for Dr. Katsanis,” said Dr. Ghishan. “His discovery and development of the CRCL cancer vaccine will ultimately lead to novel treatments for patients with leukemia and other blood cancers, with the ultimate goal of saving lives. We are extremely proud of this pioneering researcher.”

Steele Children’s Research Center Research Professor Bohuslav Dvorak, PhD, and his research team have discovered that using probiotics (healthy live bacteria found in yogurt) is an effective way to reduce and prevent a common, yet devastating, disease that affects babies born prematurely.

NEC (necrotizing enterocolitis) is a gastrointestinal disease of the intestines that afflicts nearly 10,000 premature babies every year. The exact cause of NEC is unknown, and the disease can be mild to severe. In severe cases, a child’s inflamed intestines may tear, causing bacteria to leak into the abdomen—potentially causing a life-threatening infection. Sadly, nearly 40 percent of babies with NEC will not survive.

Using an experimental model of NEC, Dr. Dvorak and his team have shown that oral administration of probiotics is a promising strategy to prevent and treat NEC. “We have confirmed that the probiotic Bifidobacterium bifidum, when added to infant formula, significantly reduces the incidence and severity of NEC,” says Dr. Dvorak. “This particular strain of probiotics reduces inflammation in the intestines and reinforces the intestinal barrier.”

Now that Dr. Dvorak and his team have established the efficacy of Bifidobacterium bifidum, they are exploring how probiotics protect against NEC at the cellular and molecular levels, and what long-term consequences—if any—they have on immune and gastrointestinal functions.

Their study, “Bifidobacterium bifidum improves intestinal integrity in a rat model of necrotizing enterocolitis,” was published in the American Journal of Physiology: Gastrointestinal and Liver Physiology.
Despite many economic challenges this year, the Steele Center continues to receive support from many volunteer groups and special events. On behalf of our doctors, researchers, patients and staff, thank you to all of our volunteers! Your efforts make a difference in the lives of children.

**Arizona Elks Major Projects (AEMP)**

The 49 Elks lodges across Arizona continue to work tirelessly to build the Arizona Elks Endowed Chair in Neonatology Research. This year, the Elks gave another $250,000, bringing their total to more than $4 million. Thanks to their support, Alan Bedrick, MD, holder of the Tucson Endowed Chair for Type 1 Diabetes, and his team in the NICU continue to help newborn babies, while researchers search for better ways to treat neonatal diseases.

**Father’s Day Council Tucson**

Four outstanding fathers were honored this year at the annual Golf Classic and Fathers of the Year Awards Gala. With the support and dedication of Father’s Day Council behind them, the honorees raised more than $200,000 this year. Funds will support research and clinical care in type 1 diabetes, and help build the Steele Center and our efforts in various research areas. This year’s Cocktailing for a Cause, with its poker tournament and gourmet offerings, enabled them to donate $5,000 to the Steele Center.

**Runway for Research**

More than 50 children—current cancer patients, survivors and their siblings—showed off the latest designs by students at The Art Institute of Tucson. The Runway for Research fashion show drew an impressive crowd, filling the ballroom to capacity. Funds raised support pediatric cancer research.

**Tee Up For Tots**

Tee Up For Tots’ brigade of volunteers worked relentlessly for this year’s golf tournament, in memory of Courtney Page Zillman, who passed away from neuroblastoma when she was only 4. Proceeds support graduate student and pediatric cancer researcher Collin LaCasse, the TUFV Courtney Page Zillman Fellow.

**Women’s Active 20-30 Club of Southern Arizona**

For more than 20 years, the Women’s Active 20-30 Club of Southern Arizona have provided vital support to the Steele Center and our efforts in various research areas. This year’s Cocktailing for a Cause, with its poker tournament and gourmet offerings, enabled them to donate $5,000 to the Steele Center.

**PANDA (People Acting Now Discover Answers)**

This year marked the 10th anniversary of PANDA, who celebrated with their golf tournament and signature “Children Helping Children” Fashion Show. The PANDAs raised more than $750,000 toward the creation of the PANDA Children’s Neurological Center. The Center will provide comprehensive care for children with a variety of neurological conditions.

**Raise a Racquet for Kids**

Even rain didn’t diminish the determination and passion of the Raise a Racquet for Kids volunteers! This year’s tennis tournament featured a new kids-only tournament and lively entertainment from Tucson High School’s steel drum band. RARK raised nearly $50,000 to support pediatric cancer research.

**Additional Thanks and Gratitude!**

In 2009, the Steele Center welcomed the support of several new volunteer groups and events.

- The UA’s Alpha Epsilon Phi sorority sold beautiful cashmere sweaters to support the Steele Center.
- The Salpointe Catholic High School football team raised awareness about type 1 diabetes through their Games for the Greater Good. The entire school got involved, delivering Lancer bags filled with toys for newly diagnosed patients, and creating “Denim for Diabetes” ribbons.
- The Gaslight Theatre actors and staff donated their time and talents to put together a live show and auction, inspired by a loved one who lives with type 1 diabetes. Proceeds benefitted type 1 diabetes research and clinical care.
- The sad and untimely loss of their daughter, Marisa Ann, inspired Laura and Delbert Gallego to establish the Marisa Ann Gallego Foundation. They hosted the first annual iMAGine A Cure Golf Tournament benefitting cancer research.
- The Placencia family, who lost their beloved son, Stephen, to cancer, used their tragedy for good, forming the Kick Cancer for Stephen Foundation and donating several gaming systems to our hematology/oncology clinic.
- The Tucson Toros named the Steele Center their charity of choice for the annual 4th of July Star Spangled Spectacular and invited one of our diabetes patients to throw out the first pitch.
- The Arizona Diamondbacks held a pediatric cancer awareness night and invited our cancer patients, survivors, and their families to enjoy a carefree night of baseball.

**Opening Soon! Diamond Children’s Medical Center**

The excitement is growing! Construction is nearing completion on Diamond Children’s Medical Center. The facility will open in phases starting in April 2010. The grand opening of the lobby is scheduled for September 2010. Please visit www.diamondchildrens.org for updates.

**Tours:**

If you would like a tour of the Steele Children’s Research Center and Diamond Children’s, please contact Mariana Vazquez at (520) 626-9773, vazquez@peds.arizona.edu.

**Donations:**

If you are interested in supporting the doctors and programs of Diamond Children’s or the research (conducted through the Steele Center), you may donate online at www.steelecenter.arizona.edu, or use the envelope enclosed with this report. For more information, please contact Lori Stratton, Director of Development for the Steele Center, at (520) 626-7799, stratton@peds.arizona.edu.

If you are interested in supporting the “bricks and mortar” of Diamond Children’s, you may donate online at www.diamondchildrens.org. For more information, please contact Tom Sanders, Senior Development Officer, UMC Foundation, (520) 694-6599, tsanders@umcaz.org, or Richelle Litteer, Major Gifts Officer, (520) 694-1324, rlitteer@umcaz.edu.
Five of our patients participated in the Steele Story Project to help raise awareness about the Steele Children’s Research Center. Professional photographer Lyra Waggoner photographed each child. We thank our advisory board members who generously underwrote the costs for this project.

Gavin: When born, Gavin couldn’t eat. He was diagnosed with “EG” (eosinophilic gastroenteritis), a painful GI disorder that causes nausea, vomiting, stomach pain and choking. Under Dr. Ghishan’s care, Gavin quickly improved. After five months on a feeding tube, his parents were able to introduce solid foods into Gavin’s diet. Now 4, “he can eat almost anything,” says his mom, Lisa.

Ilaria: Three days after she turned 3, Ilaria was diagnosed with yolk sac germ cell cancer. A tumor the size of an adult fist was found in the center of her chest. “We were devastated,” says Ilaria’s dad, Colin. After major surgery to remove the tumor and four rounds of chemotherapy, Ilaria, now 5, is in remission. “She feels wonderful,” says Jade’s mom, Sherry.

Ian: “When I grow up, I want to be like Dr. Griffin,” says Ian about his Steele Center pediatric endocrinologist, Kurt Griffin, PhD, MD. Diagnosed with type 1 diabetes when he was 3, Ian, now 5, uses an insulin pump to manage his diabetes. “Ian has so much more freedom with the pump,” says his mom, Lisa.

Jade: Eight-year-old Jade recently was diagnosed with supraventricular tachycardia (SVT), a heart-rhythm disorder that causes arrhythmia and a rapid heart rate. Under the care of her pediatric cardiologist, Dr. Santiago Valdés, Jade underwent a successful cardiac catheterization procedure that removed the extra electrical connection between the top and bottom chambers of her heart.

Syd: Five-year-old Syd loves to listen to classical music and already knows the composers of many classical pieces. Syd receives specialized care from Sydney Rice, MD, a developmental pediatrician, to help with some of his neurological and behavioral challenges. “Syd has improved tremendously,” says his dad, Dennis.

We are grateful for the dedicated leadership of Steele Children’s Research Center advisory board members Bill Cox and DeeAnne Gibbons. They created the idea for the Steele Center “canister” and “dollar” campaigns to raise money for the Steele Center and increase public awareness. Funds raised through these community-based campaigns will support Steele Center programs with the greatest need.

The “canister campaign” has put change canisters at many local businesses throughout Tucson and Southern Arizona. They feature Faith—a young cancer survivor treated by Steele Center pediatric oncologists.

The “dollar campaign” lets you support the Steele Center for as little as $1! As our dollar campaign grows, the cards will be available in stores throughout Tucson.

To find locations near you for both campaigns, or if you would like to add the campaigns to your business, please contact Laura Hopkins at (520) 626-9618, hopkins@peds.arizona.edu, or www.steelecenter.arizona.edu/annualgiving.asp.

In September, the Steele Center received a Hyundai Hope on Wheels grant to benefit pediatric cancer research. Steele Center pediatric oncologist Brenda Wittman, MD, was chosen as a Hyundai Scholar and received $20,000 for her research in bacterial infection and blood clotting related to central venous catheters. Dr. Wittman received the funding at a special “Handprint Ceremony,” and our pediatric cancer patients were invited to participate in this fun and paint-filled event. Jim Click Automotive donated an additional $20,000 for a total of $40,000 to support Dr. Wittman’s research!
The Department of Pediatrics Welcomed New Faculty in 2009

Rachel Cranton, MD  
Assistant Professor  
Clinical Pediatrics  
Hospital Medicine/Outreach

Nancy Greshake, MD  
Assistant Professor  
Clinical Pediatrics  
Hospital Medicine/Outreach

Margaret Toussaint, MD  
Assistant Professor  
Clinical Pediatrics  
Critical Care

Kari Tsypp, MD  
Assistant Professor  
Clinical Pediatrics  
Critical Care

Brent Barber, MD, promoted to Associate Professor, Clinical Pediatrics, Section of Cardiology.

Christopher Cunniff, MD, Professor and Chief, Section of Genetics; elected President of the American Board of Medical Genetics (ABMG); received 5-year, $1.25 million grant from the Centers for Disease Control and Prevention to study the prevalence of Fetal Alcohol Syndrome in children throughout Arizona and Nevada.

Cori Daines, MD, promoted to Associate Professor, Clinical Pediatrics, Section of Pulmonary, Allergy and Immunology.

Boboslav Sr Dvorak, PhD, promoted to Research Professor, Section of Nematology; Publication: *Bifidobacterium infantis* Improves Intestinal Integrity in a Rat Model of Necrotizing Enterocolitis, *American Journal of Physiology: Gastrointestinal and Liver Physiology,* 2009; 297: G7-G10; received a two-year NIH R21 grant, “Regulation of Immune Reactions by Syntactic Thiglocucins,” in collaboration with the University of Louisville.

Sean P Elliott, MD, Associate Professor, Section of Infectious Diseases; induced into Alpha Omega Alpha at UA College of Medicine; received UA College of Medicine Faculty Teaching Award, "Educator of the Year Lifetime Award—Years III and IV"; Publication: The Spectrum and Presentation of Disseminated Coccidioidomycosis; *American Journal of Medicine,* 2009; 122(5): 770-777.

Robert P Erickson, MD, Professor, Section of Genetics; Publication: Autosomal Recressive Disease among the Athabaskans of the Southwestern United States: Recent Advances and Implications for the Future; *American Journal of Medical Genetics,* 2009; 149A:2602-2611.

Fayez K. Ghishan, MD, Professor and Department Head, Section of Gastroenterology and Nutrition; received “Distinguished Alumni Award for Achievement,” from the University of Iowa Carver College of Medicine; received two-year NIH “American Recovery and Reinvestment” grant to study the role of calcium in IBD-related bone loss.

Faye L. Gildersleeve, MD, Professor, Department of Neonatology; named “Leading Edge Researcher” at the University of Arizona; awarded five-year R01 grant from the NIH, “Immunotherapy for Chronic Myelogenous Leukemia;” Publication: Signaling Pathways Initiated by a Tumor-derived Vaccine in Antigen Presenting Cells; *AnnualscoIogy,* 2009; Oct. 30.

Nicolás Leimone, PhD, promoted to Research Associate Professor, Section of Gastroenterology and Nutrition; received two-year NIH “American Recovery and Reinvestment” grant to study the role of calcium in IBD-related bone loss.

Emanuel Katzarin, MD, Professor and Chief, Section of Hematology/Oncology; named “Leading Edge Researcher” at the University of Arizona; awarded five-year R01 grant from the NIH, “Immunotherapy for Chronic Myelogenous Leukemia;” Publication: Signaling Pathways Initiated by a Tumor-derived Vaccine in Antigen Presenting Cells; *AnnualscoIogy,* 2009; Oct. 30.

Pawel Kielis, DVM, PhD, Research Associate Professor, Section of Gastroenterology and Nutrition; received two-year NIH “American Recovery and Reinvestment” grant to study the role of calcium in IBD-related bone loss.

William Madden, MD, Professor and Chief, Section of General Pediatrics; received UA College of Medicine Faculty Teaching Award, “Dean’s List for Excellence in Teaching Award, Year III.”

Ricardo Sanzoon, MD, Professor and Chief, Section of Cardiology; asked to serve as Associate Science Editor for the American Heart Association.

Ziad Shehab, MD, Professor, Section of Infectious Diseases; UA College of Medicine Faculty Teaching Award, “Outstanding Achievement in Teaching by a Clerkship or Elective Award for Years III and IV.”


Richard Wohl, MD, promoted to Professor, Clinical Pediatrics, Section of General Pediatrics.
We are inspired by the kindness and generosity of our donors and are thankful for every gift made to the Steele Children’s Research Center that allows us to provide today’s care and tomorrow’s cures. We want to give special thanks to the following cash and in-kind donors who gave $1,000 or more from January to December 2009.

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2010 Events

April 10
PANDA 11th Annual
“Children Helping Children”
Fashion Show
Arizona Biltmore Resort and Spa, Phoenix

May 7
Father’s Day Council Golf Classic
Loews Ventana Canyon

June 19
Fathers of the Year Awards Gala
Loews Ventana Canyon

August 27
Tee Up For Tots Golf Tournament
Hilton El Conquistador

Fall 2010
Raise A Racquet for Kids
Tucson Racquet and Fitness Club

Fall 2010
Runway for Research
Hilton El Conquistador

December 2010
PANDA 3rd Annual
“Playing FORE PANDA”
Golf Tournament
Phoenix, Arizona

About the Steele Center Logo

Our logo is an incomplete puzzle, with a child in the center. The pieces to the puzzle represent everyone who is integral to improving children’s health...doctors, nurses, medical staff, researchers, families, volunteer groups, donors and others. We all can be a piece of the puzzle, working together to improve children’s health.

The puzzle isn’t finished, because we can’t do it without YOU. Thank you for your support! To learn more about the Steele Center, please visit www.steelecenter.arizona.edu.

Stay connected to the Steele Center

- Learn more about what’s happening at the Steele Center through our Web site: www.steelecenter.arizona.edu
- Stay current with our e-newsletter. Sign up at: www.steelecenter.arizona.edu
- Become our Facebook friend
- Follow us on Twitter