



ED Update

Wright State Emergency Medicine Residency
Department of Emergency Medicine

Volume 34, Issue 2 June 2012

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Check out mini bios on our incoming residents on pages 9 (military) and 10 (civilian).

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THIS ISSUE

The points of discussion in this issue of the *Update* cover events that occurred from New Year's through the first week in May. We are glad to report on many positive activities around the department and in the community.

THE WINTER THAT WASN'T

We had some thirty degree days in April, but like the rest of the U.S., nothing but sunshine and record high temperatures in March and in the first week of May. We had two consecutive single digit days in February. There were only a handful of official snow days. All were brief. All were dustings and you couldn't roll the contributions into a snowball bigger than a booger. The immediate impact on flora and fauna appears to be favorable. The bigger question will be the climate of our true summer. If we are 8.5 degrees Fahrenheit above normal for the next season, we're in for something quite oppressive. Quite a few beers will move at the ballpark.

THE WINTER THAT WAS

As a result of the mild winter, traveling by either air or ground transport was permissibly gentle in the midwest. This I believe aided our recruitment. We had no unexpected hassles, no last minute cancellations or no paralyzing freezing rains. We seemed to have flourished. Looking back, I can relate some details.

I've retained statistics back to 2001-02 and had been able to make a greater than 10 year comparison to our most current recruitment activities. This year we broke our previous high for applications (458 in 07-08). The large group of this year's candidates was stellar. I extended an invitation to 121 which is dead on for our decade average. The faculty and chiefs interviewed 94. The previous ranges had been 87 to 109.

The ethnic make-up of the applicant pool for emergency medicine has morphed in the last two decades. The slope of the change is not particularly steep and the glacier migration or the lava flow has been about one inch. There's still a Caucasian male club that's dominant. However, we have made efforts in the past to broaden our resident class make up. We did the same this year. We invited 28 females (decade range 13-34), and 15 individuals whose ethnicities include Asian, African American, Hispanic, American Indian (previous range 8-12).

As a result of everyone's efforts in the recruitment process we had a successful civilian match. We detail the biographic data of the civilian group as well as the military group within the body of this *Update*.

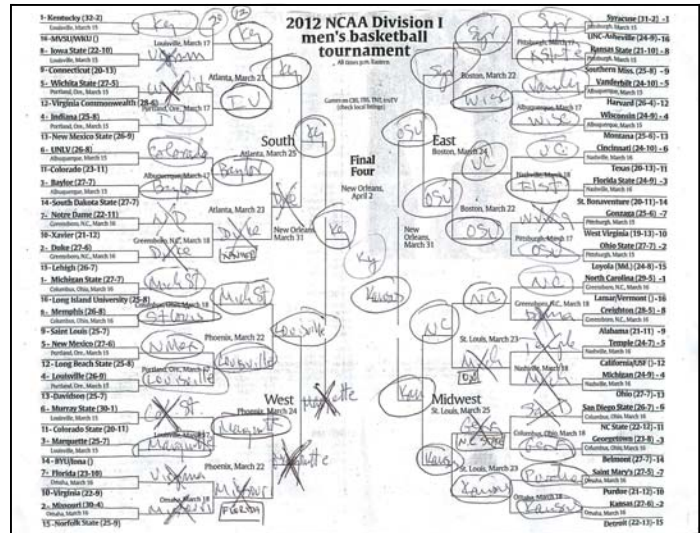
Check out page 11 for the Save the Date for Dr. Singer's "Praise on the Roof" party!

COMPARATIVE CIVILIAN RECRUITMENT

	2001-2002	2011-2012
Total applicants	354	543
Total invited	119	121
Total non-WSU interviewed	109	79
WSU interviewed	10	15
Minority Interviewed		
Female	24	28
Asian	6	9
African American	3	5
Indian	2	2

THE MARCH TO VICTORY

It was no surprise that Kentucky won the NCAA tournament. 90% of the world who filled brackets suggested Kentucky would do it. The individuals who did pick Kentucky should not receive real credit. The applause should rest with those who nailed down the final four or the elite eight. I can smugly say that I had the superior foresight of those who posted their projections at Children’s Medical Center Emergency Department Physician’s Lounge. I have been victorious in the past. The repeat performance is not unexpected. However, it would be stupid to claim too great a superiority, given that only two of the twenty some available people posted their picks this year.



LOCAL VICTORY

In the analysis of our departmental mid-year evaluation, the residents favorably commented on our body of clinical faculty. The residents felt that more than 40 of our clinician teachers were “excellent.” The top 10 educators this year are

- | | |
|----------------|-------------------|
| Mike Ballester | William Matre |
| Dana Drazner | Roger Pacholka |
| Dale Evans | Norm Schneiderman |
| Matt Freyhoff | Thomas Susac |
| Scott Koncal | Marni Teramana |

Congratulations to this remarkable contingent.

TRAVELING PROFESSOR

On the eve of University of Cincinnati playing OSU in the NCAA tournament, I presented a ground rounds at the Ohio State University. I began my discussion on the impact of patient care with a narrative which suggested I wished University of Cincinnati victory. Despite starting off the talk with this potentially negative influence, the crowd of emergency medicine residents and faculty were largely receptive. Whether I performed well or less than as expected was overlooked. At the end of my talk **Mark Angelos** presented me with a weather resistant spring jacket bearing OSU's Emergency Medicine emblem. Subsequently I have proudly worn the jacket.

In March, **Carl Ferraro** met me at my Chicago son's place of work and transported me to Mercy Hospital where I delivered the same talk for their emergency medicine ground rounds. The talk was again fun to administer. The crowd did its best to laugh at my attempts at humor. Their 50 some residents remained attentive and bid me farewell without a jacket. However I was rewarded by a luncheon to follow at the Grange Hall Burger Bar. Carl had a delicious veggie burger and presented me with a poem, "Singer's Suspect Scriblings." **Sean Bryant** and I chose to consume a cheeseburger and the three of us split a pie a la mode.

The greatest reward from these travels was seeing old friends and knowing that they are doing well both professionally and personally. I am committed in spirit to administering this talk to other graduates, should they see fit to invite me to their shop. I hope to be able to get to Indianapolis for delivery at Methodist Hospital. However it's hard to secure the date as I cannot project when daughter Elizabeth will deliver grandchild #9. (P.S. Gus Garmel, I'll come your way at anytime in the future if you would spot the airline tickets.)

WRITINGS

As I have wound down my medical activities in this past year of semi-retirement, I have almost curtailed my medical writings. *Academic Emergency Medicine* has remained receptive to my poetry and Dr. Olson's beautiful photography. We just had two acceptances and I project an additional acceptance will come in the near future. The other writings that have consumed a great deal of my time have been children's books and playwriting. With Cassie and Alaine's assistance I am completing children's book number 7. Number 8 is in line and will go through the production activities within the next few months. In 2011, after attending the Iowa Writing Festival I gained insight as to how to improve the play I had written in 2006. I made modification of that play and the play bug struck. In 2011 I completed three new plays. Two are full length. One is one act. In 2012 I completed my fifth play. My efforts in the future will be attempts at getting artistic directors interested in the materials and hopefully sitting in the audience to one day observe these creations. If any of you have artistic director connections in your hometown, please let me know.

Congratulations!!!

Congrats to David and Jill Shablak on the arrival of Samuel David Shablak. He was born on April 28th. He weighed 7 lbs. 5 oz.



Congrats to **James** and Corri **Hamilton**. Lincoln Charles Hamilton was born on May 3rd at 945 pm. He weighed 8 lbs. 9 oz.



Research Results

- Jim Olson, Ph.D.

STUDENT PROGRESS IN THE LAB

Melissa Bradshaw joined our lab in January mid-way through her Grad-Prep program year at Wright State University. Melissa has taken on a project to evaluate mechanisms of cell volume regulation mediated through nucleotide receptors. Using a human astrocytoma cell line devoid of these receptors and another which is stably transfected to express one class of nucleotide receptors, Melissa has demonstrated the importance of this signaling pathway for osmotic volume regulation. Her studies using these genetic models were further confirmed using a pharmacological approach. Melissa's results will be presented in April at the Wright State University celebration of Creativity, Scholarship, and Research and further experiments are planned before her few months with us are over. Melissa has been accepted into medical school at the Virginia College of Medicine. Because of the early start date for that institution we will have to say goodbye to Melissa and wish her well before the next update. Nevertheless, in a short period of time she has created a significant body of research results which we look forward to presenting in abstracts and future publications.

Amanda Freeman (WSU BMS M.D./Ph.D. student) presented her latest research results at the American Society of Neurochemistry meeting held in Baltimore in March. Her poster received a lot of traffic and favorable comments from the neurochemists at the meeting. Since that presentation, Amanda has spent considerable time on further data analysis using the mass spectrometry facility in the Department of Pharmacology and Toxicology under the direction of Dr. David Cool. These additional results will likely become the basis of another presentation and publication.

Amanda also presented her poster at the Boonshoft School of Medicine Medical Student Research Symposium. There she received first place for the **Best Basic Science presentation**. Congratulations Amanda!

PROGRESS AND PRESENTATIONS

At the 2012 American Society of Neurochemistry Meeting, Dr. Olson presented a poster describing the results gathered by Sergei Robinson, a Masters student who graduated from WSU last summer and is now in medical school at Lake Erie College of Medicine. Sergei's research centered on the regulation of aquaporin, a water channel responsible for brain swelling and recovery from edema. The poster received positive comments from the neurochemistry society members. Dr. Olson is currently completing additional studies in preparation of assembling Sergei's results into a manuscript for publication.

Statistical analysis of the brain edema and trauma research project performed in collaboration with former medical students and residents, **Drs. Jill Aston, Megan Dines, and Elena Caramen** is proceeding. Wright State University statistical counseling center and Dr. Olson have cleaned up the missing data and other data entry errors in the list of 8,000+ patient visits. As we await the results of this study analysis, Dr. Olson is beginning to evaluate brain injury data from the Adam Williams Institute evaluation of long-term outcome of head trauma patients. This will also involve a collaboration with Dr. Whitmill, the current physician coordinator for this database.

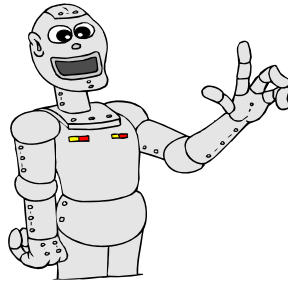


GRANTS SUBMITTED

In January we submitted three research proposals to support our personnel and laboratory research. Amanda Freeman submitted a pre-doctoral fellowship proposal to the American Heart Association to support her doctoral research work with Drs. Olson and Cool as primary mentors. If funded, this grant would provide stipend support for Amanda during her years working in the laboratory as well as travel support to attend scientific meetings.

Dr. Olson submitted a Wright State University Basic Science Seed Grant proposal. This grant is based on critiques Dr. Olson previously received from the American Diabetes Association on a proposal submitted last year. The grant aims at addressing the concerns raised by the review committee and will be performed in collaboration with Dr. Yanfang Chen in the Department of Pharmacology and Toxicology.

Finally, Dr. Olson submitted a proposal to the Proteomics Analysis Laboratory at Wright State University to provide supply funds that would cover expenses associated with Amanda Freeman's research with the equipment in that facility.



Update from the Center for Immersive Medical Education and Research (CIMER)

- Ray Ten Eyck, M.D.

MED STUDENT SIMULATIONS

We started the winter-that-never-quite-happened with a series of case-based simulations for the medical student Emergency Medicine Interest Group (EMIG). Three of our first-year residents (**Gabriel David**, **Katie Imhof**, and **Bridget Nestor-Arjun**) provided a real-time demonstration of the approach to the undifferentiated, critically ill patient. The 3rd and 4th year EMIG students then took turns applying the aptly-demonstrated skill set in several subsequent simulation scenarios. We also conducted the second iteration of our new MS-4 elective in January along with the cardiovascular module for the second year medical students. We closed the month out with a joint presentation with the OSU simulation team at the International Meeting for Simulation in Healthcare in San Diego.

February started with a second visit, in less than a month, from the whole second-year medical student class for their respiratory simulation module. We also initiated a new module for the Good Samaritan emergency department nurses involving case-based simulations to reinforce their quarterly continuing education curriculum addressing trauma and cardiac resuscitation. Dave Cherolis provided a simulation component to support the initial EMT refresher course offered by NCMR at Calamityville and we completed the initial training on the operation of our first wireless mannequin, which will provide improved features compared to our current set up along with greater mobility.

SCHOLARLY ACTIVITIES

In addition to our recurring core simulation curriculum for the EM residents and the BSOM students, March marked the culmination of significant efforts to complete, present, and obtain feedback on the simulation cases which 11 of our third-year residents wrote for their scholarly activity graduation requirement. Early in the month, the authors vetted each others cases and the feedback was incorporated into revised versions. The simulations were subsequently presented to the second-year residents as unknown cases under an IRB-approved protocol allowing us to obtain both objective and subjective feedback for final publication and utilization as part of our future curriculum. Based on the quality of the efforts of the participating R-3s, I fully expect all of the cases will be accepted for publication on the MedEdPORTAL following peer review and the inevitable revision process.



Springer's Stuff

- Brian Springer, M.D.

WHICH SEASON IS IT?

Greetings All! I hope this edition of the *ED Update* finds you well. We had quite the balmy winter this year, with March temperatures in the 80s prompting me to get the motorcycle out and running early. Oddly enough, as I write this in the middle of April, it is 40 outside. To make things more interesting, I covered my first Dragon's baseball game of the season. Temperatures dipped down into the 30s. I dressed thinking "football," and was fine.

Speaking of environmental challenges, Wright State University and Dayton Five Rivers MetroParks hosted their semi-annual Adventure Summit on the University campus in February. Thanks to **Dr. Jackie Percy** for organizing the medical component and **Dr. John-Adam Bonk** for his participation. My early morning lecture on mosquito-borne illness was, to be honest, sparsely attended. Perhaps it was because we actually had winter weather. It was hard to generate interest in tropical diseases when it is 10 degrees (minus windchill) outside, and you get frostnip on the walk from the parking lot to the student union.

TRAINING

With the assistance of **Drs. Wightman** and **Pickett**, as well as Woody Goffinett, Travis Snyder, Chris Slone and others, we ran our first Law Enforcement Self-Aid/Buddy-Aid class at Calamityville in January. This class was a collaborative effort on the part of **Dr. Hamilton** and NCMR, the Division of Tactical Emergency Medicine, and the Ohio Peace Officers Training Academy. Featuring 8 hours of lecture, practical application, and "force-on-force" scenarios, we topped off at our limit of 35 students. And then we exceeded it: through a registration SNAFU, we wound up with 48 students! We worked the crowd, and received excellent student feedback all around. DTEM and NCMR ran a closed course in March for the US Marshals Service, again receiving excellent marks. Thanks to our residents who helped out: **Drs. Abraham, Keller, Keville, Nestor-Arjun, Robinson, and Smith.**

HIGH THREATS

DTEM continues to roll forward. A tally of documented activity from the 2011 calendar year showed participation in 35 missions (as well as security for the Arnold Schwarzenegger Fitness Expo) and 45 training days, working with half a dozen agencies. Not bad for a handful of overworked/underpaid faculty and residents! A visit from Dr Richard Schwartz, head of Georgia Health Sciences' Center of Operational Medicine, will hopefully lead to some long-term links. I myself have kept busy in the field, and have begun to cultivate a working relationship with Dayton Police Department's narcotics task force, providing medical support for potential high-threat operations. That is correct: more nights out pounding the pavement! Kim, as you can imagine, is just thrilled. Until the next edition...



Drs. Springer and Keller on the range with SWAT

If I only had a brain...



the Wizarding of Dr. Poz

LIFE

A lot has happened since I last contributed to the *Update*, the most important of which was the birth of my daughter, Madyson Lynn. She is truly the light of my life and I am sincerely enjoying my new promotion to “mommy.” Being a working mother is not without its challenges, from remembering the 75 things that belong in the diaper bag only to realize you forgot the one item you really need, to finding 15 minutes to pump during a shift in between the cardiac arrest and the CVA, to coming home and realizing she has learned 5 new things while I was gone. And there aren’t enough words to describe all the laundry! But each day is filled with her smiles, her wet kisses, and more adventures to come. I couldn’t be happier.



AWAEM

My involvement with the American Academy for Women in Academic Emergency Medicine (AWAEM) continues to expand. At SAEM in Chicago this year, I will be one of a panel of speakers giving a didactic session on Gender Bias in medicine. My portion specifically focuses on the increasing risks women face with COPD and tobacco abuse. It will be given in a Pecha Kucha format, a style of teaching started in Tokyo, and new to the medical world. It will be recorded and submitted as a Peer Review Lecture Series (PeRLs) for *Academic Emergency Medicine*.

I also plan to serve another year as Treasurer and as the Chair of the eCommunications Committee, through which we produce a bimonthly newsletter. It contains a wealth of information that addresses the many nuances and challenges that face women in EM today. I have included a link to the latest version here, which contains articles on how to make breastfeeding work as a practicing EM doc and a new column by our resident representative. Feel free to check it out, and email me if you are interested in joining this dynamic group of women. <http://www.saem.org/sites/default/files/AWAEM%20Awareness%20Mar%20April%202012.pdf>.

MEDICAL STUDENTS

The medical student clerkship continues to be an exciting challenge in education. We are wrapping up the final block with the class of 2012, who will be graduating in a few short weeks. With this class is my first set of advisees, and I’m proud to see their accomplishments. In fact, one of them, Jeremy Moore, will be joining our intern class in July. He recently won an award at the medical student research symposium with the poster from our project of physical exam in the ED.

Next year will bring new challenges as we continue to make improvements to the clerkship curriculum based upon feedback and education advancements. On a broader scale, I will also be joining a Curriculum Steering Committee to tackle revisions of the medical school curriculum as a whole.

“Your life does not get better by chance, it gets better by change.” –Jim Rohn

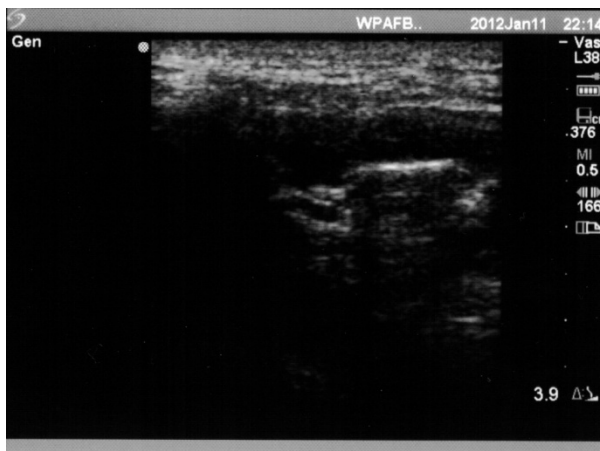
The Acoustic Window

John Wightman, Ultrasound Director

Every once in a while, I come up with what I think is a novel way of using ultrasound in my clinical practice.

The first was probably 15 years ago when an obese man came in with highly focal pain just superior to his umbilicus. He had a known umbilical hernia, which I could easily reduce, but I could also feel some vague firmness just superior to this, which was tender to touch. Bedside ultrasonography revealed two hernias above the fascia. When I pressed down with the transducer (probe), I could dynamically watch one reduce and the other not. Then knowing the source of the patient's pain to likely be an incisional hernia immediately adjacent to his umbilical hernia, I tried but failed to reduce it. Because the patient had a fair amount of pain and tenderness, general surgery was consulted without further delay, and the patient taken to the operating theater.

The next was just a few months ago. A patient presented with odontalgia and mild swelling of the overlying face, but did not have physical examination findings definitively indicating dental abscess. I used bedside ultrasonography with the transducer placed externally to identify an abscess. This expedited intervention by the dentist.



The bright echogenic (white) line to the right of the image is the buccal surface of the tooth. The anechoic (black) space superficial (above) it is a collection of fluid, which is presumable an abscess in the right clinical setting.

The first case I should have written up in the literature, because it was years before I saw any article about using ED ultrasound for that application. I considered writing up the second case, but a literature identified an article in the EM literature that had already examined this application.

The citation from the University of Nebraska is: Adhikari S, Blaivas M, Lander L. Comparison of bedside ultrasound and panorex radiography in the diagnosis of a dental abscess in the ED. *Am J Emerg Med* 2011; 29(7):790-795.

This wasn't a very robust study to compare the two modalities, especially since no gold standard was established for all cases, but it did demonstrate the technique with several example images and was able to calculate 100% sensitivity and 100% specificity for patients not lost to follow-up.

As you may remember, WPMC has a dental residency, so use of this bedside tool prompted me to call the dentist on call to come in and take care of the patient on a Saturday evening, when definitive care might have been significantly delayed if the diagnosis of abscess had not been made in the ED.

Military Maneuvers

John Wightman, Associate Program Director

Okay, now it's the fourth third time that I have been the Military APD, since **Roy Johnson**, is currently deployed. In this issue, I'll mostly be updating readers on upcoming assignments, but there's some other good stuff in here too.

Alex Bedard is a graduate of the USAF Academy, who rotated at WPMC last year, and is one of four students coming to us from USUHS. He has family in the area, and has been finishing his senior rotations mostly at WPMC anyway.

Steve Colonna is another USUHS student, who rotated at WPMC this last year. He was a prior combat controller, who has had some unique experiences, as well as attended some really cool courses.

Andrea Kaelin is also from USUHS. She started out as an EMT in an ED in Fredericksburg, Virginia. One of her undergraduate dual degrees was in forensics.

Antho Lemon was a couple of years ahead of my son at Purdue University, but his degree was in nursing instead of aeronautical and astronautical engineering. He matriculated into USUHS the following year. Initially undecided on specialty, he switched to emergency medicine after rotating at WPMC last year.

Christi Makas was also an ED technician and is a graduate of Midwestern University Arizona College of Osteopathic Medicine, from where she was a co-author of a journal article and a textbook chapter. She was one of our top medical students rotating at WPMC a couple of years ago, but somehow ended up being selected for a transitional osteopathic internship at Henry Ford Hospital in Detroit, Michigan, for this last year.

Chris Smelley is currently a flight surgeon at Barksdale AFB, Louisiana. He is a graduate of the West Virginia School of Osteopathic Medicine and a preliminary surgery internship at Lackland AFB, Texas. He has a master's degree in molecular & cellular physiology, has co-authored a number of publications in the basic sciences, and has a clinical case report pending publication.

As for our five graduating seniors: **Kevin Juozapavicius**, **James Manley**, and **Brooke McCarthy** are all staying at Wright-Patt; **Pablo Medina** will be joining his psychiatrist spouse at Keesler AFB, Mississippi; and **Jackie Percy** volunteered for a multi-year assignment at Osan AB, Republic of Korea, where she was previously stationed as a family practitioner. She was also selected this year for promotion to Lieutenant Colonel.

The Government Services Emergency Medicine Symposium (GSS – formerly JSS) was held at Squaw Valley Resort in Olympic Valley, California, the first week in April. Military residents in attendance were **Deann Allbee**, **Meaghan Keville**, and **Katie Racicot Ellis** from the R2 class plus **James Manley**, **Pablo Medina**, and **Jackie Percy** from the R3 class. I was reportedly their adult supervision. Despite the venue, attendance at the actual conference was good, though everybody [minus Floridian Pablo] did manage to get out to do a little spring skiing.



Graduates we saw were **Mark Antonacci** from Randolph and Lackland AFBs, Texas; **Travis Taylor** from Elmendorf AFB, Alaska; and **Matt Wolf** from Kirtland AFB, New Mexico. We had a chance to catch up with them at various food & drink establishments throughout the area, including this one on the shore of Lake Tahoe.



In other news, residency graduate and the current WPMC Emergency Services Flight Commander, **Glenn Burns**, was selected for promotion to Lieutenant Colonel "below the zone." **Ryan Mihata**, who completed a two-year fellowship at Indiana University last year, recently passed his critical care and neuro critical care boards. We congratulate both on these significant achievements!

Know-Nothing

John Wightman, Education Director

I don't have a lot to write for this quarter. The curriculum is in full swing for this academic year. Chief **Ben Mack** has conducted the ABEM in-service examination review, and the residents took the test at the end of February. I find these helpful as well, especially since I have one more LLSA to do in order to sit for my second recertification examination this fall. They help me identify my weak areas [e.g., immunology] to focus study efforts.

Based on a number of resident and faculty inputs over the last year or so, we are considering moving to some online content for parts of the curriculum. This will not supplant Friday conference, year-directed conferences, and Journal Club – these are how we conduct the average five hours per week of didactic contact time mandated by the ACGME's Residency Review Committee. However, we are considering some online learning methodology for EMS, toxicology, and ultrasound. I'll report on progress in the next issue of *The Update*.

The other news is that clinical rotations will be changed to match the medical school's switch to four-week blocks. Therefore, we will be starting thirteen rotations per year this July. We have decided to match Journal Clubs and YDCs to this, so we can fit in some extra content this year. In conjunction with this effort, I will be rewriting the curriculum web pages extensively, so that will be a good source of updates as soon as I can get that done.

CHAIR BROWN KNOWS

- James Brown, M.D.



WELCOME INCOMING CIVILIAN RESIDENTS!

Taylor Baldwin comes to Wright State from the University of Kentucky School of Medicine and also studied at UK undergrad. He helped create the University of Kentucky Medical Rock-Climbing Student Association. He lists soccer, hiking and playing guitar among his other interests.

Derek Broering is one of our three new Wright State Boonshoft School of Medicine grads. He grew up working on his family's dairy farm and wishes to pursue a career in rural medicine. His interests include mountain biking, snowmobiling and skiing (water and snow).

Michael Pearson comes to us from the University of North Carolina School of Medicine. His wife will be starting this summer as a pediatric resident at Wright Patt. Michael is very interested in healthcare research and his outside interests include furniture building, running and beekeeping.

Jeremy Moore is also from Wright State Boonshoft School of Medicine and studied at Miami University undergrad. As an undergrad he participated in the men's chorus and created a barbershop quartet. He enjoys boating, fishing, backpacking and camping and is a local Boy Scout troop leader.

Valerie Nelson was born in Port-au-Prince, Haiti and comes to us from Loma Linda School of Medicine. During medical school she travelled to both Guyana and Uganda as a medical missionary. Valerie's interests include cooking and baking and writing scripts for zombie movies.

Sundeep Punia attended Drexel University in Pennsylvania for both undergrad and medical school. He is fluent in both Spanish and Punjabi. His outside interests include computer programming and a wide variety of sports – tackle and flag football, ping-pong, basketball and squash.

Jessica Rando is our third Wright State Boonshoft School of Medicine resident. Jessica is fluent in Spanish and as a undergrad assisted with a daycare and programs for children living on the US – Mexico border. Jessica's other interests include tennis, jogging, hiking, golfing and jet skiing.

Brooke Smith comes from Marshall University School of Medicine. Brooke has taught skiing and snowboarding and also worked as a raft guide. He also enjoys rock climbing, bicycling, endurance events, watchmaking, motorcycles and photography.

CONGRATULATIONS TO OUR NEW CHIEFS!

Meaghan Keville: CMC, M&M/QA/QI
 Katie Racicot Ellis: MVH, Board Review
 John-Adam Bonk: GSH, M&M/QA/QI
 Brian Pennington: KMC, WPAFB



Save the Date 9-7-2012

P RAISE on THE ROOF

2009	2010	2011	
2006	2007	2008	2
2003	2004	2005	
2000	2001	2002	0
1997	1998	1999	
1994	1995	1996	1
1991	1992	1993	
1988	1989	1990	2
1985	1986	1987	
1982	1983	1984	

**You are all
 invited to
 celebrate
 Jon Singer's
 career.**

More info to follow -

Celebrating 30 years
 with Wright State's
 Department of
 Emergency Medicine!
 1982-2012

Will be held at the Dayton Racquet Club