

# The [CATALYST]



## [News & Announcements]

**Congratulations** to the 26 PhD and Masters students who graduated Saturday, May 14th, 2016. This 2016 Investiture and Graduation Ceremony was the first to only include PhD in the Schools of Medicine and Pharmacy, MS in Biomedical Sciences, MS in Clinical and Translational Science and MS in Health Sciences graduates. It was also the only HSC ceremony that was attended by WVU President, Dr. Gordon Gee.



*Congratulations to our own Biochemistry Program graduates, Amanda Suchanek, Dan Murphy and Elisha Martin!"*

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**Dr. Drew Shiemke** is the recipient of the **Percival L. MacLachlan Award!!** This award is selected by the second year medical students in the School of Medicine in recognition for excellence in teaching basic medical sciences. This award was established in 1963 by Michael J. "Mickey" Moore, MD and perpetuated by the Class of 1946 in memory of Percival L. MacLachlan, Ph.D. (1907 - 1948) who was a member of the faculty in Biochemistry from 1936 to 1948. Dr. MacLachlan was a **"teacher who demonstrated unusual teaching ability and a sincere interest in the progress of the entire class"**. **Congratulations** to Dr. Drew Shiemke, this is an exceptional award to receive!



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### Upcoming Birthdays

<i>Michael McKinstry</i>	June	20
<i>David McDonnell</i>	June	23
<i>Knox VanDyke</i>	June	23
<i>Elisha Martin</i>	June	24
<i>William J. Canady</i>	June	28
<i>Yeheneu Agazie</i>	July	5
<i>Brandon Jones</i>	July	7
<i>Eric Tucker</i>	July	9
<i>John Michael Ruppert</i>	July	11
<i>Visvanathan Ramamurthy</i>	July	21
<i>Kyla Galbreath</i>	July	23
<i>Stephanie Shumar</i>	July	25
<i>Gina Mazzetti</i>	July	26
<i>Maxim Sokolov</i>	July	28
<i>Chen-Chung Lin</i>	July	31
<i>Diana Beattie</i>	Aug	11
<i>Janelle Weaver</i>	Aug	14
<i>Xueli Gao</i>	Aug	27
<i>Marycharmain Belcastro</i>	Sep	6
<i>William Petros</i>	Sep	7
<i>Anna Kiseleva</i>	Sep	18
<i>Marilyn Evans</i>	Sep	24
<i>Satyabrata Sinha</i>	Sep	29
<i>Michael Schaller</i>	Oct	1

**"Science makes people reach selflessly for truth and objectivity; it teaches people to accept reality, with wonder and admiration, not to mention the deep awe and joy that the natural order of things brings to the true scientist."**  
~ Lise Meitner

## [News & Announcements cont'd]

**Congratulations to Dr. Mark Tseytlin**, Assistant Professor of Biochemistry, who just secured a \$427,326 funded R21 project from the National Institute of Biomedical Imaging and Bioengineering to develop a new multifunctional imager that will enable multifunctional mapping of physiologically-critical parameters, such as pH, oxygen, and interstitial inorganic phosphate (Pi). The title of his 2 year project is "Multifunctional in Vivo EPR Imaging of Tumor Microenvironment".

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We will have 3 Biochemistry Faculty Promotions starting the 2016-2017 academic year! **Dr. Peter Stoilov** and **Dr. Elena Pugacheva** will be promoted to Associate Professor and awarded tenure. **Dr. Vishy Ramamurthy** will be promoted to full Professor in Ophthalmology. **Congratulations to all!**

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### Three Graduate Students Have Presented Their Final Defense:

**Elisha Martin**, Graduate Student in Dr. Yehenew Agazie's Lab, presented his Master Thesis Defense on Tuesday, April 26,

2016. His title was "SHP2 promotes Triple Negative Breast Cancer by mediating crosstalk between EGFR and Wnt/  $\beta$ -catenin signaling pathways"

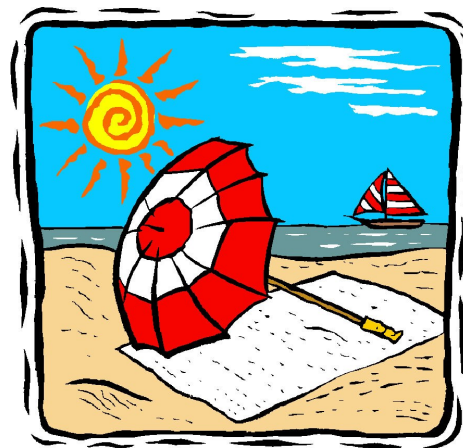
Elisha is applying for jobs with the CDC and NIH. Working in a government lab is something that he really aspires to do. His alternative plan is applying for academic lab positions, such as a research assistant, doing independent research and training students. Elisha's future is open to many possibilities!

**Josh Farris**, Graduate Student in the Cancer Cell Biology Dept. with Dr. Steven Frisch's Lab, defended on Friday, June 3rd, 2016. The title of his presentation was "**Grainyhead-like-2 Reverses the Metabolic Changes Induced by the Oncogenic Epithelial-Mesenchymal Transition: Effects on Anoikis**". Josh is part of the MD/PhD program here at WVU. After finishing his time in Dr. Frisch's lab, he plans to return to 3rd year medical school. Ultimately, Josh hopes to practice radiation oncology.

**Phillip Pifer**, Graduate Student in the Cancer Cell Biology Dept. with Dr. Steven Frisch's Lab, will defend on Friday, June

24th, 2016. His presentation starts at 9:00 AM in room # 2157 HSC North. The title is: "**Grainyhead-like-2 inhibits the co-activator p300, suppressing tubulogenesis and the epithelial-mesenchymal transition**" After defending his dissertation, Phillip will be going back to medical school to finish his 3rd and 4th year, expecting to graduate in May 2018. His plan is to prepare for a cancer related residency yet to be determined.

**Best of luck to all our Graduate Students!**



## [Chair's Corner]

It is a very interesting and eventful time of the year. There are some new beginnings with a new faculty hire in the Department. Dr. Aaron Robart will be joining the faculty in August. Aaron has trained at the University of Calgary, UCLA and UCSD and will establish his independent research program at WVU studying RNA splicing from a structural perspective. Welcome Aaron, Meredith and Sloane! It is also the end of promotion and tenure season at WVU (an October to May process) and we are all very happy to hear that Provost Joyce McConnell has notified Drs. Elena Pugacheva and Peter Stoilov that they will be promoted to Associate Professors of Biochemistry and awarded tenure. Dr. Visvanathan Ramamurthy has also been notified that he will be promoted to Full Professor in the Department of Ophthal-

mology with a joint appointment in Biochemistry. Congratulations to Elena, Peter and Vishy!! Your hard work has paid off and we look forward to more good things to come. Josh Farris defended his thesis on June 3, 2016 and Phillip Pifer is scheduled to defend his these on June 24, 2016. Josh and Phillip are both MD/PhD students, who completed their dissertations in Steve Frisch's lab, and will rejoin the third year of the medical school curriculum. Congratulations to Josh and Phillip!

Finally, it is the end of the academic year and the HSC recently held its first PhD Investiture and Commencement Ceremony, School of Medicine and School of Pharmacy. Previously, the academic degrees of PhD and MS in the Biomedical Sciences were awarded as part of the MD Investi-



ture Ceremony. President Gee attended the ceremony and conferred the degrees on the graduates, while the student's mentors hooded the PhD recipients. Congratulations to Biochemistry's recent graduates, Amanda Suchanek, PhD, Dan Murphy, PhD and Elisha Martin, MS!!!

**"Science, for me, gives a partial explanation for life. In so far as it goes, it is based on fact, experience and experiment."**  
~ Rosalind Franklin

### 10 Things you didn't know about:

## Jessica E. Hall

### The Basics

Title: Lab schlub who may have fooled Bucknell U into thinking I can teach.

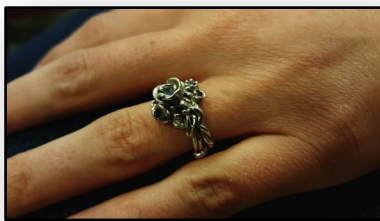
Office: 3111 HSN



1. **What was your very first job?** Working at Mr. Hyde's Leather in Canton, Ohio. It was a really small shop, so I ran the register, helped fit boots and motorcycle gear for customers, wrapped gifts, and even learned how to do repairs.
2. **Do you have any nicknames?** I have several. My roller derby name is Peptide Blonde and most of my teammates call me Pep. My dad and some of my other family members call me Butch or Butchy.
3. **Weirdest food you've ever eaten?** Guinea pig in Sacsahuaman, Peru. Their enclosure was a model of the Incan ruins nearby, and you picked out your favorite, like a lobster. I picked a spotted one, and he tasted like squirrel. I've also eaten, llama (Peru), rattlesnake (Wyoming County, WV), bear (Mineral County, WV), blesbok, impala, giraffe & warthog (South Africa). I have to try the local flavor while traveling!
4. **If you could have dinner with any historical figure who would it be and why?** Viktor Schreckengost. A fellow

NE Ohio native, Schreckengost was an artist who decided he could apply art and change the world. He revolutionized the field of industrial design, and many of the iconic products we think of in homes from the 60s were designed by him. (That rounded chrome toaster. Those metal lawn chairs that are somehow comfy. The Red Rider wagon!) He also made some really innovative advances in ceramics and utilized them to make fine art, including "The Jazz Bowl" series for Eleanor Roosevelt. I think he would have a really unique approach to solving problems.

5. **If you had to do it all over again what would you study in school?** Still science but probably something like ecology or forestry. Something where I could go play in the mud and be in the woods but still be working. Being inside all day is soul sucking....not to mention no windows!
6. **Why does your wedding ring look like that?** (\*Asked by someone in the department\*) My husband wanted something unique and beautiful, but also sturdy and practical. The Ceylon Sapphires are recycled from vintage jewelry (no blood diamonds here!) and the petals around the setting are intentionally meant to make a rounded design that won't shred lab gloves. He's so thoughtful!



7. **What is your favorite vacation spot?** Anywhere I haven't been before! Currently I'm trying to plan a trip to Iceland, for no other reason than airfare

to Reykjavik is surprisingly cheap!

8. **What are you thankful for?** (\*warning mushy stuff ahead\*) My husband, Chris, and my son, Godric. Not only are they already best friends, but they are the best support system a grad student could have. Nothing fixes a brain fried from writing like a few hours with those two goofballs!
9. **What are you most afraid of?** It's a tie between failure and the HSC North freight elevator.
10. **Who was your favorite teacher in school and why?** Miss Schmader, my junior high science teacher and track coach. She was terrifying, until I realized she just had a suuuuper dry sense of humor. I don't know if many of my classmates caught on to that. She also got me started in science fair, and by proxy, research.



*"Always get back to the function of the object. The aesthetics, the marketing, and whatever you want to worry about about all comes in on top of that. Let's take the cost out of it so that everybody can afford good design."  
~ Viktor Schreckengost*

## [A Day In The Life: Of A Course Director]

by *Drew Shiemke*

When I am asked what its like to be a course director, I usually say that course directors have a lot of responsibility but little authority. This is especially true for directing courses in the MD degree curriculum, which has several very active committees (Course Directors Committee, Curriculum Committee, Assessment Committee, etc.) looking over my shoulder and all too eager to tell me that I'm "doing it wrong". There are also several levels of administration (primarily in the Department of Medical Education) that take an active role in the MD curriculum. All of this scrutiny is understandable, because when a student graduates with an MD degree the university is certifying that the student is qualified to practice medicine (albeit under supervision, as a resident). Needless to say, all of this scrutiny can be a burden for the course directors.

The way I look at my job as course director is to maintain balance between the needs of the students, the faculty, and the institution (kind of like the character Sheldon Sands in the movie "Once Upon a Time in Mexico", but since he was a CIA agent his methods were much harsher than mine). The students in Human Function are in their very first semester of medical school so I have a responsibility to make sure they get off on the right foot. To do that I try to make the organization of the course as simple to understand as possible. I try to make it easy for the students to know where they are supposed to be, when they are supposed to be there, and what they are supposed to do. To do this we make ample use of SOLE to provide the detailed schedule of lectures and other course activities, and to deliver powerpoint files and recordings of all of the lectures. The student's main concerns are passing the course and being prepared for the board exams. I try to make sure that the students know what is to be covered on each exam by encouraging faculty to include learning objectives for each lecture and to make sure that exam questions reflect those ob-

jectives. To make sure the students are prepared for their board exam, I work closely with the instructors to ensure that the course content is aligned with what is tested on the board exams. The instructors review a kind of "practice board exam" called the NBME Subject Exam every year or two to ensure our course is preparing the students for these exams. Lately we've been pretty successful at this; last fall the average score for our students on the Biochemistry Subject Exam was at the 88th percentile, relative to medical students who took this exam nationwide.

Another big part of the job of course director is to try to make things as easy as possible for the other faculty who teach in the course, so they will want to keep teaching in this course. This includes scheduling lectures for days and times that are convenient (although most would say that eight o'clock lectures are never convenient). In addition, I try to make sure that people who lecture on related topics are aware of each other's content so that students aren't getting conflicting information, and that redundancy is minimized and reinforcement is maximized. The instructors also need to know what material is covered on the board exam so I try to provide guidance on that aspect of the lectures. I also work with the instructors to help them find ways to make their lectures relevant to medicine, in order to keep the students interested and to reinforce the idea that this material will be important and useful when they are practicing physicians. In order to do this, I have had to learn much more about disease states, pathophysiology, and treatment of diseases that I would have ever thought possible.

All of these tasks require a lot of communication with students, instructors, administrators, other course directors, textbook publishers, and even the national board organizations. So a typical day for me involves a lot of email (I'm not sure how anyone ever did this job before email, but it

must have involved a lot of meetings.) This time of year, I am working with the instructors to put the lecture schedule together for this fall. When I directed undergrad courses this was a simple task; there were only ~55 lectures and 2-3 other instructors and it usually took about 2-3 days to do. For Human Function there are over 200 lectures, several lab exercises, ~15 regular instructors, and about a dozen clinicians who each give a 1-hour clinical correlation lecture. In addition, there are five regular exams of 100 questions and the NBME subject exams in Biochemistry and in Physiology to schedule. I send a first-draft schedule to the other instructors in May and ask them to make sure there are no conflicts with other obligations (travel, other courses, clinic schedule, etc.). Inevitably I will hear back from 2-3 people about conflicts, so then it's a matter of shuffling lecture dates to make sure that the content is delivered in the correct order and at a time when it fits with the other lectures. Needless to say, this requires a lot of emailing back and forth to multiple instructors. (My email inbox had ~7000 messages going back about 3 years before I recently went through it and deleted about 5000 of them.)

Once the semester starts in the fall, I will spend my mornings in class. I attend every lecture (8:00 to 11:00, Monday through Friday) in order to know what is going on in the course and to be able to address any concerns that students have. The afternoons are often spent communicating with faculty and students. When I am lecturing in the course most emails from students are asking for clarification of parts of my lectures. This has actually been very beneficial to me over the years because it helps me identify concepts that are difficult for the students so I can change the lecture and (I hope) improve it for subsequent years. When I am not lecturing, I still spend a lot of time communicating with students about how to succeed in Human Function. I typically have 4-5 meetings per

## [A Day In The Life: Of A Course Director, Cont'd]

week with students who are having difficulty with the course material. We typically discuss how they study and I try to tell them what they are doing right and what they are doing wrong. Since these students are new to medical school they are not always aware of the resources available to help them, such as peer tutoring, meetings with faculty, practice question databases, voluntary review sessions, etc.

During the semester I also spend a considerable amount of time communicating (by email, of course) with the other instructors in the course. This could be anything from a reminder to get their lecture materials posted on SOLE, information about how many questions they will have on the upcoming exam, results of the most recent exam, feedback on lecture content and style, and questions about how to deal with poorly performing exam questions. The last (and least enjoyable) category of activities that I spend my time on is meetings. As a course director I automatically became a member of the Course Directors Committee and the Curriculum Committee. Since I have been doing this for a while, I have also been asked to be on the Assess-

ment Committee (which reviews each course and clerkship every 3 years) and the Curriculum Management Committee (which is responsible for keeping track of what is taught and when it is taught during the 4 years of medical school). Each of these committees meets once a month. Most of what they do is pro forma, but occasionally there is a significant amount of work required.

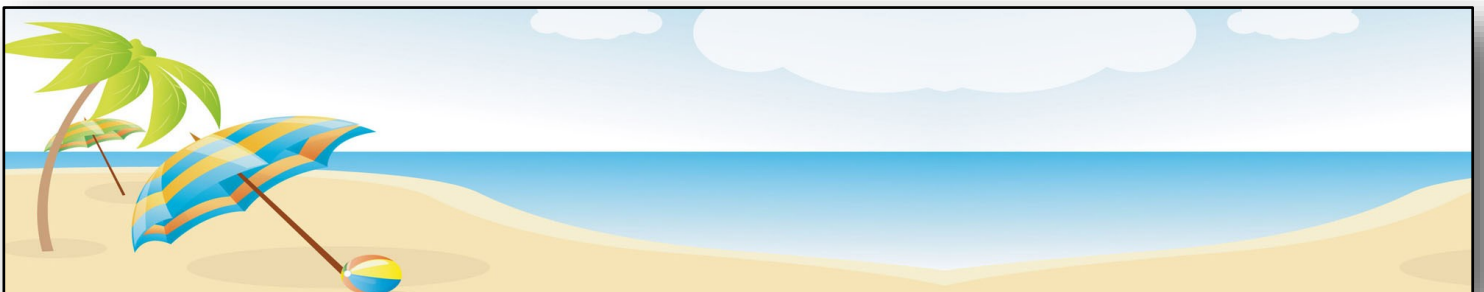
So that's what life is like as a course director: Lots of communication with different groups of people (faculty, students, administrators), lots of moving parts to keep track of (lecture schedules, exam questions, meetings, etc.), and constantly trying to anticipate what needs to be done so no one gets an unpleasant surprise like a Friday email that says 35 exam questions are due on Monday. Fortunately, I've never had to send anyone such an unpleasant surprise. Now that I've been doing this for a while I've gotten pretty good at anticipating what needs to be done, but the first few years as course director it seemed like there were unpleasant surprises for me to deal with almost every week. I learned the hard way how stressful that can be and

that's why I try to keep everyone (faculty, students, and administrators) informed on what's going on with the courses that I am directing.



## [Recent Publications]

- Kozyreva VK, Kiseleva A, Ice RJ, Jones BC, Loskutov YV, Matakah F, Smolkin MB, Marinak K, Livengood RH, Salkeni MA, Wen S, Hazard HW, Layne GP, Walsh CM, Cantrell P, Kilby GW, Mahavadi S, Shah N, **Pugacheva EN**. "Combination of Eribulin and Aurora A inhibitor MLN8237 prevents metastatic colonization and induces cytotoxic autophagy in breast cancer". Mol Cancer Ther. 645<sup>0</sup> May 27. pii: molcanther.0688.2015. [Epub ahead of print] PubMed PMID: 27235164.
- Pifer PM, Farris JC, Thomas AL, **Stoilov P**, Denvir J, **Smith DM**, **Frisch SM**. "Grainyhead-like-2 inhibits the coactivator p300, suppressing tubulogenesis and the epithelial-mesenchymal transition". Mol Biol Cell. 645<sup>0</sup> Jun 5. pii: mbc.E5<sup>0</sup>-04-0249. [Epub ahead of print] PubMed PMID: 27251061.



## [Thoughts On 2016 Graduation]

This year was the first time in anyone's memory that we had a graduation and investiture ceremony just for MS and PhD students in the Schools of Pharmacy and Medicine. It was a momentous occasion in which these graduates could be the main event. The response from the graduates was overwhelming; 22 of the 26 PhD graduates and 4 of the 8 MS graduates attended the ceremony. Will Sloan and Aric Logsdon from the Schools of Medicine and Pharmacy, respectively, delivered the student addresses. Among the highlights of this ceremony were the leading of the Ethical Affirmation for Scientists by 2 of the authors of this oath, Drs. Ann Cather and James Culbertson and the conferral of degrees by President E. Gordon Gee. The ceremony begins a new tradition for the Health Sciences Center and we hope that a separate recognition ceremony for our

recipients of academic degrees will become a permanent event.

~ **Lisa Salati**



I was one of the Master's students who participated in the Graduation Ceremony on May 14, 2016 for the School of Medicine and School of Pharmacy PhD and Master's students. It was a very memorable ceremony. University President Dr. Gee, our Assistant Vice President of Graduate Education Dr. Salati, my department chair Dr. Schaller and the Biochemistry Gradu-

ate Director Dr. Hillgartner were in attendance. While it was a serious ceremony, there were several occasions for laughter. Dr. Gee help Chris Bostick with his bowtie. Several vertically challenged mentors had creative ways to "hood" their tall students. Dr. Salati's quirky personality showed through in her comments. I really enjoyed seeing all the students who had completed their journey, and knowing it wasn't an easy one to undergo. My favorite part was the end where we all stood and sang Country Roads, that's when I knew I had done it and earned the hood around my neck.

~ **Elisha Martin**



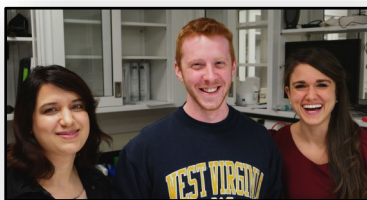
## [Meet Our Students]

In this issue, we are introducing two of our students who while not enrolled in our BMB Graduate Program, are members in our Biochemistry Labs.

My name is **Drew Nickerson**. I'll be a second year PhD student in the *Cellular and Integrative Physiology Program* this upcoming fall semester. Although I am enrolled in the Physiology program, my P.I. is Dr. Rajendran in the Biochemistry department. As a result, I have had the opportunity to attend functions and meet the faculty and students from both programs. I am originally from Wheeling, but I have lived in Morgantown since 2010. I graduated from WVU in 2014 with a B.S. in Exercise Physiology. After graduating, I worked for about a year as a laboratory technician for Dr. Greg Dick (former Exercise Physiology faculty), during which time I acquired an interest in research and decided to pursue a doctoral degree.

and Iron Deficiency Anemia.

Eventually, I hope to get a teaching/research faculty position at a university, somewhere with better weather.

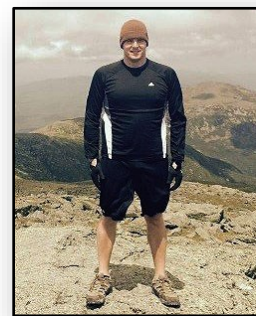


**Drew Nickerson**

Lab: Dr. Vazhaikurichi Rajendran

Aside from school, my biggest passion is music. I have played with several groups in Morgantown and Wheeling over the past several years, and I still perform when I have the time. I play guitar and a few other stringed instruments, and I also sing. I also enjoy the many outdoor activities that the area has to offer, like hiking, camping, rock climbing and snowboarding.

~ **Drew Nickerson**



**Evan Kerr**

Lab: Dr. Roberta Leonardi

I recently joined the Leonardi lab. I am from Ashfield, Massachusetts (don't worry if you have never hear of it, it's in the western part of the state that no one cares about!). At the moment I am working on characterizing a new Nudix hydrolase. As for future goals, I'll be happy to graduate! Hopefully I'll get more ambitious as I progress through the program.

~ **Evan Kerr**

## [WVU Science Policy Organization]

by Ray Anderson

I Last year, several students from across the University formed the WVU Science Policy Organization dedicated to science and engineering policy. Because of my interest in science and policy, I decided to join this group to see what it was all about. In April of this year, I was given the incredible opportunity to travel to Washington D.C. with them to visit the offices of various congress people from West Virginia as well as the senator from my home state of South Dakota. In these meetings, we discussed the current state of scientific funding and discussed reasons why it is so incredibly important to maintain consistency in scientific funding. I also attended a South Dakota constituent coffee event on Capitol Hill where I had to pleasure of personally meeting the two senators and house representative from my home state. (Yes, we only have three congress people total.) And as proof, I got a pretty epic selfie with them.

During the trip we met with the office of American Association for the Advancement of Science (AAAS), the publisher of the well-known Science magazine. Here, we were able to personally meet and visit with the organization's CEO Dr. Rush D. Holt. He reminded us that our role in politics is not just limited to science policy. We can play a much bigger role than that in politics. Not only do we as scientists pos-



sess factual scientific knowledge that we can bring to the table when making decisions on a broad range of political issues, we also have a unique and powerful way of thinking critically to solve complex problems—whether it be in the lab or the political realm.

As we see it, the aim of this group is to make us, as a community of scientists, well-versed in the world of science policy. We are not primarily a lobbying group; we are a network of pre-professionals engaged

and interested in the scientific landscape. If you have any interest in the intersection between science and policy, please find us on Facebook (WVU Science Policy Organization) and Twitter (@WVUScience) or email me at rhanderson@mix.wvu.edu.

*"We know Thomas Jefferson and Benjamin Franklin as politicians, but they felt that science was something everyone should have a knowledge of."*

~ Rush D. Hold, Jr.



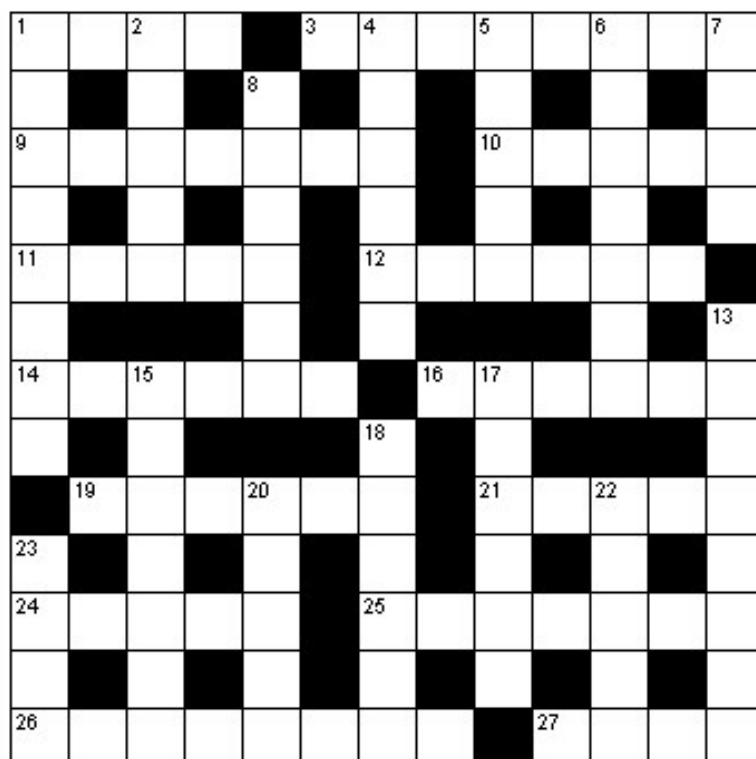
### States Birds

Circle birds representing each state



- |                  |                     |                     |
|------------------|---------------------|---------------------|
| AMERICAN GULL    | COMMON LOON         | RHODE ISLAND RED    |
| BALTIMORE ORIOLE | EASTERN GOLDFINCH   | RINGNECKED PHEASANT |
| BLUE HEN CHICKEN | FLYCATCHER          | ROADRUNNER          |
| BLUEBIRD         | GREAT CAROLINA WREN | ROBIN               |
| BROWN PELICAN    | HERMIT THRUSH       | RUFFED GROUSE       |
| BROWN THRASHER   | LARK BUNTING        | WESTERN MEADOWLARK  |
| CACTUS WREN      | MOCKINGBIRD         | WILLOW GOLDFINCH    |
| CALIFORNIA QUAIL | MOUNTAIN BLUEBIRD   | WILLOW PTARMIGAN    |
| CARDINAL         | NENE                | YELLOWHAMMER        |
| CHICKADEE        | PURPLE FINCH        |                     |





**Across**

- 1 As well (4)
- 3 Stress (8)
- 9 Without assistance (7)
- 10 Once more (5)
- 11 Be evasive (5)
- 12 Division into opposing factions (6)
- 14 Squabble (6)
- 16 Attack (6)
- 19 Small quake (6)
- 21 Take power unlawfully (5)
- 24 Bind (3,2)
- 25 Carrion-eating bird (7)
- 26 Previously (8)
- 27 European mountain range (4)

**Down**

- 1 Persian Gulf emirate (3,5)
- 2 Steady, sober (5)
- 4 Unassuming (6)
- 5 Sandy common (5)
- 6 Welsh port (7)
- 7 Dispatched (4)
- 8 Header (anag) (6)
- 13 Indoor footwear (8)
- 15 Right (7)
- 17 Cosily (6)
- 18 Item of neckwear (6)
- 20 Tree yielding syrup (5)
- 22 Customary (5)
- 23 Strong restless desire (4)

Crossword Puzzle answers located on the back page [No L<sup>OO</sup>KING...]

## [Upcoming Events]

### WVU and Morgantown Upcoming Events ( June through September 2016)

Date(s)	Event	Time	Location	Additional Info/Website
6/4/2016	Deckers Creek Trail Half Marathon	8:30/8:45am	Morgantown, WV	<a href="http://www.montrails.org">www.montrails.org</a>
6/16/2016	Stephanie Shumar Proposal Defense	1 - 2pm	3067 HSC North	-
6/18/2016	Powerman West Virginia Duathlon	7:30am	Morgantown, WV	<a href="http://www.goo.gl/v8npWy">www.goo.gl/v8npWy</a>
6/18/2016	Slide The City (Water slide)		Hough Street Morgantown, WV	<a href="http://www.slidethecity.com/location/morgantown/">www.slidethecity.com/location/morgantown/</a>
6/19/2016	Father's Day			
6/20/2016	Happy Birthday West Virginia			
6/25/2016	Big Dog Car Show	10am - 2pm	Suncrest Town Centre	<a href="http://www.tourmorgantown.com/events/big-dog-car-show/">www.tourmorgantown.com/events/big-dog-car-show/</a>
7/4/2016	Independence Day		WVU Holiday	
7/4/2016	Morgantown Running 4 on the 4th	9am	Seneca Center	<a href="mailto:info@morgantownrunning.com">info@morgantownrunning.com/</a>
7/15/2016	Jim Dunn Memorial Scholarship Twilight 5-Miler	7pm	Wharf Street Parking Garage	<a href="http://www.jimdunnrun.com/race-information/">www.jimdunnrun.com/race-information/</a>
7/16/2016	Kid's Day	10am - 2pm	Downtown Morgantown	<a href="http://www.downtownmorgantown.com/events/">www.downtownmorgantown.com/events/</a>
7/27 - 7/31/16	MountainFest Motorcycle Rally	1 - 11pm	Mylan Park	<a href="http://www.wvmountainfest.com/">www.wvmountainfest.com/</a>
8/6/2016	Big Bear Lake Ultra Mountain Bike Race			
8/12/2016	2016 Rush Run 5K Run/Walk	7pm	Hazel Ruby McQuain Ampitheatre	<a href="mailto:rushrun5k@gmail.com">rushrun5k@gmail.com</a>
8/17/2016	First day of Classes at WVU			-
8/20/2016	Motown Mac N' Cheese Cook Off	2-4pm	400 Spruce St. Morgantown WV	<a href="http://www.motownmacncheese.com/">www.motownmacncheese.com/</a>
8/23/2016	Fall 2016 Seminar: Tamara Caspary, PhD	12-1pm	3067 HSC North	-
8/25/2016	Fall 2016 Semester Research Forum	4pm	201 Erma Byrd	Rajendran's Lab
9/3/2016	Mountaineer Football vs. Missouri	12pm	Milan Puskar Stadium	
9/5/2016	Labor Day		WVU Holiday	
9/8/2016	Fall 2016 Semester Research Forum	4pm	201 Erma Byrd	Sokolov's Lab
9/10/2016	Mountaineer Football vs. Youngstown State	2pm	Milan Puskar Stadium	
9/11/2016	Grandparent's Day			
9/13/2016	Faculty Meeting	12-1pm	Wirtz Library	
9/17/2016	Wine and Jazz Festival	11am - 6pm	Camp Muffly	<a href="http://www.wwineandjazz.com/">www.wwineandjazz.com/</a>
9/17/2016	Mountain Mama 8K	8am	Suncrest	<a href="http://www.morgantownmarathon.com/race-details/8k/">www.morgantownmarathon.com/race-details/8k/</a>
9/20/2016	Fall 2016 Seminar: Sajish Mathew, PhD	12-1pm	3067 HSC North	
9/22/2016	Fall 2016 Semester Research Forum	4pm	201 Erma Byrd	Dr. Alexey Ivanov
9/24/2016	Mountaineer Football vs. BYU	TBA	Landover, MD	
9/27/2016	Fall 2016 Seminar: Sandra Gabelli, PhD	12-1pm	3067 HSC North	
9/29 - 10/2/16	Buckwheat Festival	8 - 10pm	Kingwood, WV	<a href="http://www.buckwheatfest.com/">www.buckwheatfest.com/</a>



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