I recently sat with Gilbert Moeckel and Nina Longtine for many hours to review the year’s-end mentoring reports and career progress of our junior faculty. As articulated in the Department’s mentoring policy (and as has been discussed at several faculty meetings), our goal was to evaluate the progress of each of our junior faculty; identify hurdles that may be impeding progress; consider their long-term career goals; and ponder ways that we (the faculty and Department) can help them along this path. Equally of interest was an examination of the appropriateness of their chosen mentors, and whether the mentors themselves were doing the job expected.

I continue to be impressed with the talent and energy of our junior faculty. Universally, they aspire not just to succeed in academic medicine, but to rise to the top of their profession. The challenges vary with academic track. For those with research labs, the tension is between publishing high-impact discoveries, securing grant funding, and effectively managing their laboratories. For those with clinical responsibilities, the balance is between practice, research, and publishing. Transcending all tracks are expectations of dedicated and proficient teaching; departmental and school citizenship; opportunities for important and visible leadership and administrative roles both here and nationally; and the ever-present challenge of growing one’s recognition and stature beyond the confines of New Haven.

Doing this is not easy. The challenges facing academics, particularly scientists and academic physicians, have never been greater. Much has been written about the perils facing academic medicine. National surveys document a perceived deterioration of “climate” in medicine and academia and an increasing rate of physician burn-out. These are troubling trends. However, despite this background, there are many reasons to be optimistic. In most respects, our faculty are doing well (despite the stressors). The clinical faculty truly stepped up to the plate this year to fill some unanticipated gaps in service coverage, assuring continuity of the high quality clinical service that is expected of the Department. New recruits are easing this burden, and more recruits are underway. Pathology investigators are well-funded, their support has increased in each of the past three years, and they are building leadership positions in their respective fields. The recent NIH budget before Congress proposes a 2% increase; I anticipate that this will be approved and that it will continue to enhance the research environment. Three faculty this past spring—Peter Humphrey, John Sinard, and Katie Politi—garnered prestigious national awards. The number of presentations and invited talks from our faculty at the USCAP and ASIP meetings this year were among the very highest of all institutions. On the home-front, Rob Homer is playing a major role in shaping Yale’s innovative Medical Student curriculum, and Veerle Bossuyt has worked to completely revamp her course “Across the Lifespan” with on-line videos, new labs and new didactic materials. Others have taken the lead in making Pathology’s participation in medical student education more impactful, including Pei Hui, Peter Humphrey, and Natalia Buza. Diane Kowalski, our Residency Program Director, and Veerle Bossuyt are working with Associate Dean Janet Hafler this year to develop new teaching materials along with their pedagogic skills, with the aim that they will become a training resource for the rest of us. Diane is also working with Associate Directors Debo Adeniran and Harvey Rinder (and now with our new Associate AP Program Director Natalia Buza) to enhance our residency-training program and institute a...
Chair’s Corner
(article continued from page 1)

By Rachel Lyke

Morgan Levine, PhD, Assistant Professor of Pathology, joined the Department of Pathology in the Fall of 2017. She has a joint appointment with the Department of Epidemiology. Prior to her arrival at Yale, Morgan was an NIH Postdoctoral Fellow in the University of California Los Angeles Department of Human Genetics, working with Dr. Steve Horvath. She received her PhD in Gerontology, with a focus on Molecular Epidemiology of Aging, under Dr. Eileen Crimmins. She was previously a Research Assistant at the USC/UCLA Center on Biodemography and Population Health.

Resources for the study of aging, such as the Claude D. Pepper Older Americans Independence Center, attracted Morgan to Yale. Additionally, she found the focus on interdisciplinary studies greatly appealing. She explains that her work cannot be defined by a single discipline. “I tend to span epidemiology, computational biology, a little bit of genetics, so it seemed like there were researchers [on aging] in all of those topics. It seemed like a good kind of fit.”

Part of Morgan’s work is identifying genetic markers that increase the risk of having aging-related diseases such as cardiovascular disorders and diabetes. To Morgan, the study of aging is a combination of looking both back to the past and ahead towards the future. She says that “A lot of the...
The Department Welcomes New Clinical Faculty

Adapted from the AP Newsletter article by John Sinard.

I am pleased to announce the much-anticipated arrival of new clinical faculty in the Department. As many of you know, we have been recruiting for new positions for some time. The arrival of new faculty helps to fill many of the gaps which have been created by faculty departures and increasing workloads over the past years. Please meet new faculty Armine Darbinyan, Alex Finkelstein, ILKe Nalbantoglu, and Emily Reisenbichler.

In addition, Rita Abi-Raad, Rom Celli, and Isil Yildiz are now Assistant Professors in the department, and Sudhir Perincheri joined the faculty in July as a Clinical Instructor. Agedi Boto has begun to help out on the Autopsy Service. Additional searches are still underway for Bridgeport, the Breast Service, Cytology, and Hemepath.

Armine Darbinyan, MD
Clinical Instructor
Cytology and Neuropathology
Dr. Darbinyan joins us from Drexel University, where she just completed a cytopathology fellowship. Prior to that, she completed a neuropathology fellowship at Mount Sinai.

Alex Finkelstein, MD
Assistant Professor
Clinical Pathology and General Path
Dr. Finkelstein, a former Yale resident, returns to Yale from St. Johns Riverside Hospital in New York. He will assume the role of Director of Clinical Pathology at Bridgeport Hospital, and will also be an anatomic pathologist there.

Pallavi Gopal, MD
Assistant Professor
Autopsy and Neuropathology
Dr. Gopal comes to us from the University of Pennsylvania where she was an Instructor of Neuropathology. Before joining the faculty there, Pallavi was a Postdoctoral Researcher at UPenn, studying the liquid-like biophysical properties and axonal transport of TDP-43 RNP granules in primary neurons.

ILKe Nalbantoglu, MD
Assistant Professor
GI and Pediatric Pathology
Dr. Nalbantoglu joins us from Washington University in St. Louis, where she has been for the last seven years, after doing a GI pathology fellowship at Emory. In addition to GI, she will be helping out with pediatric pathology.

Emily Reisenbichler, MD
Assistant Professor
Breast Pathology
Dr. Reisenbichler comes to us from Vanderbilt. Before joining the faculty there, Emily completed a Breast and a Surgical Pathology Fellowship at the Brigham in Boston. Emily helps strengthen our breast pathology program, and may participate on other services as well.

Rita Abi Raad, MD
Assistant Professor
Cytopathology and GYN Pathology
Dr. Abi Raad received her MD from Universite Saint Joseph in Lebanon in 1994. She completed her residency in Anatomic and Clinical pathology and a fellowship in cytopathology at Yale New Haven Hospital.

Rom Celli, MD
Assistant Professor
Autopsy, Breast, and GI & Liver Pathology
Dr. Celli received his MD from the University of Massachusetts Medical School, and did his residency here at Yale New Haven Hospital, where he also completed a subspecialty fellowship in GI and Liver pathology.

Sudhir Perincheri, MD, PhD
Clinical Instructor
Hematopathology and Medical Renal & EM Pathology
Dr. Perincheri received his MD from Calicut Medical College in 1999, and his PhD from University of Kentucky in 2004. He completed his residency here at Yale New Haven and then completed his fellowship here as well.

Isil Yildiz, MD, MPH
Assistant Professor
Cytopathology
Dr. Yildiz received her MD from Gazi University School of Medicine in 2002, and completed her residency at Hacettepe University Faculty of Medicine and then at University of Pittsburgh Medical Center. In 2013, Dr. Yildiz earned her MPH at University of Pittsburgh Graduate School of Public Health.
## Recent Grant Funding

<table>
<thead>
<tr>
<th>Grant Recipient(s)</th>
<th>Source</th>
<th>Amount</th>
<th>Years</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Grants funded from April 2017 to date</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Demetrios Braddock</td>
<td>R56 subcontract, Texas Children’s Hospital</td>
<td>$10,162</td>
<td>1</td>
</tr>
<tr>
<td>Jian Cao</td>
<td>Lion Heart Fellowship (Internal)</td>
<td>$50,000</td>
<td>1</td>
</tr>
<tr>
<td>Karin Finberg</td>
<td>Cooley’s Anemia Foundation</td>
<td>$32,500</td>
<td>1</td>
</tr>
<tr>
<td>David Hudnall</td>
<td>HHV-6 Foundation Grant</td>
<td>$27,500</td>
<td>1</td>
</tr>
<tr>
<td>Steven Kleinstein</td>
<td>UH2AI132341 (NIH)</td>
<td>$460,625</td>
<td>2</td>
</tr>
<tr>
<td>Steven Kleinstein</td>
<td>HIPC Signatures (NIH)</td>
<td>$100,150</td>
<td>1</td>
</tr>
<tr>
<td>Steven Kleinstein</td>
<td>HIPC Standards (NIH)</td>
<td>$108,875</td>
<td>1</td>
</tr>
<tr>
<td>Steven Kleinstein (Core B)</td>
<td>Haffer’s U19AI089992 (Neurology)</td>
<td>$255,237</td>
<td>Year 2</td>
</tr>
<tr>
<td>Michael Krauthammer</td>
<td>Roslyn and Jerome Meyer Pilot Award</td>
<td>$44,000</td>
<td>1</td>
</tr>
<tr>
<td>Morgan Levine</td>
<td>1R01AG057912</td>
<td>$4,542,145</td>
<td>5</td>
</tr>
<tr>
<td>Morgan Levine</td>
<td>4R00AG052604</td>
<td>$726,496</td>
<td>3</td>
</tr>
<tr>
<td>Gilbert Moeckel</td>
<td>DoD</td>
<td>$1,218,967</td>
<td>3</td>
</tr>
<tr>
<td>David Rimm</td>
<td>BCRF subcontract, University of Michigan</td>
<td>$19,399</td>
<td>1</td>
</tr>
<tr>
<td>David Rimm</td>
<td>Breast Cancer Research Foundation</td>
<td>$250,000</td>
<td>1</td>
</tr>
<tr>
<td>David Rimm</td>
<td>Cepheid SRA amendment</td>
<td>$100,500</td>
<td>5 mos.</td>
</tr>
<tr>
<td>David Rimm</td>
<td>Navigate Biopharma SRA amendment</td>
<td>$349,000</td>
<td>1</td>
</tr>
<tr>
<td>David Rimm</td>
<td>Utlivue SRA</td>
<td>$200,000</td>
<td>1</td>
</tr>
<tr>
<td>Kurt Schalper</td>
<td>Moderna Therapeutics Funded Extension</td>
<td>$244,550</td>
<td>1</td>
</tr>
<tr>
<td>Kurt Schalper</td>
<td>Pierre Fabre SRA</td>
<td>$269,675</td>
<td>1</td>
</tr>
<tr>
<td>Kurt Schalper</td>
<td>Surface Oncology SRA</td>
<td>$298,980</td>
<td>1</td>
</tr>
<tr>
<td>Kurt Schalper</td>
<td>Tesaro SRA Funded extension</td>
<td>$306,525</td>
<td>15 mos.</td>
</tr>
<tr>
<td>Gerald Shadel</td>
<td>R01AR069876</td>
<td>$2,169,040</td>
<td>5</td>
</tr>
<tr>
<td>Gerald Shadel</td>
<td>R33ES025636 (Phase II)NIH</td>
<td>$1,563,541</td>
<td>3</td>
</tr>
<tr>
<td>Jeffrey Sklar</td>
<td>Leidos Contract</td>
<td>$317,489</td>
<td>4 mos.</td>
</tr>
<tr>
<td>Jeffrey Sklar</td>
<td>Leidos Service Contract</td>
<td>$275,302</td>
<td>4 mos.</td>
</tr>
<tr>
<td>Jeffrey Sklar</td>
<td>Zixin Pharmaceuticals SRA</td>
<td>$2,710,188</td>
<td>1</td>
</tr>
<tr>
<td>Narendra Wajapeyee</td>
<td>Pardee Foundation</td>
<td>$150,000</td>
<td>1</td>
</tr>
<tr>
<td>Qin Yan</td>
<td>US4 subcontract, Meharry Medical College</td>
<td>$167,500</td>
<td>5</td>
</tr>
<tr>
<td>Meiling Zhang</td>
<td>Brown-Coxe Fellowship</td>
<td>$66,383</td>
<td>1</td>
</tr>
<tr>
<td>Jenny Zhou</td>
<td>AHA Postdoc Fellowship</td>
<td>$106,532</td>
<td>2</td>
</tr>
</tbody>
</table>
Graduate Student Nicole Calabro Defends Thesis

Nicole Calabro, PhD Candidate, Experimental Pathology (Kyriakides Lab), a graduate student from the Department of Pathology’s Graduate School of Arts and Sciences, defended her thesis over the summer. Nicole presented “Thrombospondin-2 Regulates ECM Production and Crosslinking via Modulation of Lysyl Oxidase and miR-29” on August 18, 2017. Nicole now works for LifeScience Dynamics, Ltd., in London, as a business analyst.

Braddock Research Inspires Startup Company in Cambridge, MA

Demetrios Braddock, MD, PhD, Associate Professor of Pathology, has joined forces with Joseph Schlessinger (Pharmacology) and Alex Bolte (healthcare venture capitalist) to form a new startup company called Inozyme Pharmaceuticals, based in Cambridge, MA. Their venture is based on some of Braddock’s own research that was published in Nature Communications in 2015 (https://www.nature.com/articles/ncomms10006), and has recently gained the financial backing of two well-known companies, Sanofi and Novo Nordisk.

The company’s goal will be to develop a treatment for a very rare disease known as “Generalized Arterial Calcification of Infants” (GACI). GACI is a genetic disease, where the mutation results in abnormal calcium buildup in blood vessels. High blood pressure, heart disease, rickets, and even death can result. The field is open as there are as yet no approved treatments.

You can read more about this new venture at: https://www.xconomy.com/boston/2017/11/15/inozyme-gets-49m-from-sanofi-novo-to-tackle-rare-infant-disease/

A Fond Farewell to Dr. Gerald Shadel, Joseph A. and Lucille K. Madri Professor of Experimental Pathology

On January 31, 2018, the Department held a farewell party for Dr. Gerald Shadel in the Beaumont Room. Dr. Shadel will be a Professor of Molecular and Cell Biology at the Salk Institute of Biological Sciences in La Jolla, California. Surrounded by his wife, two daughters, colleagues and friends, Dr. Shadel’s accomplished work was praised, especially by Dr. Morrow who gave a toast. During his time at Yale, Dr. Shadel was the inaugural Joseph A. and Lucille K. Madri Professor of Experimental Pathology. He was also the Director of the Yale Center for Research on Aging (Y-Age). He will be greatly missed by all who knew him at Yale.
It began slowly enough. In 2006 a new syndrome in the bee keeping (apiculture) community was recognized and named colony collapse disorder (CCD). Its symptoms were a sudden and inexplicable disappearance of worker bees from otherwise robust hives, leading ultimately to the death of the queen and destruction of the colony.

This was occurring throughout the world; predictions were dire. Bees are major pollinators of the world’s food supply. Without an adequate supply of healthy bees, massive economic losses and food shortages were expected.

As one who is totally in awe of all forms of life, and who fancies himself a protector of all things living, CCD was of concern. Those who know me know that I will seldom swat even a fly and will even carry spiders out of the house to set them free. So, CCD piqued my interest in bees. A decade later, passive interest translated into action. It was my partner Andrea who was the instigator. Andrea shares my interest in bees, and we had often thought it would be fun to raise bees. So, one night, while eating at the Guilford Diner and surfing the web, we came upon an article about a new type of hive developed in Australia that allowed one to harvest honey without disrupting the bee’s hive or combs. Gee, here was a “kind” way to harvest honey, keep the bees happy, and maybe contribute to helping the world’s bee shortage. We were hooked on the spot, and immediately ordered the complete set-up (called a “flow-hive”). We excitedly awaited its arrival 6 weeks later. Then reality began to set in. The hive was beautiful, but no bees? To start a colony, one needs a queen bee, and a sufficient number of nurse and worker bees to sustain the queen as she grows the hive. There must be sufficient nectar or sugar supplies to sustain the prodigious energy requirements of the hive. There are a host of evil parasites and diseases that can infect a colony, including wax moths, mites, viruses, etc. The hive should be placed so as to not offend the neighbors, sting their children, or be subject to predators such as skunks and raccoons. Tools and protective clothing are needed.

Fortunately, the bee-keeping community in Connecticut is close-knit and user-friendly. Jonathon Kniesley, Mary Hu’s spouse (she works for the Dean’s office), is an experienced apiarist and provided a starter colony (called a “nuc”) composed of about 5,000 bees and a healthy queen. Other bee-friends donated some of their unneeded equipment such as tools to lift the combs from the hive; smokers to calm bees when working on the hive, and protective headgear. Amazon provided many books, more protective garments, and other essentials. Additional hives (called Langstroth hives after the 19th century clergyman Lorenzo Langstroth) were purchased to provide expansion capacity. With all this, and feeling like parents confronted with their first child, we embarked with some trepidation on the task of raising our “girls” (almost all bees in the hive are female).

Bees are truly amazing creatures. An active hive contains between 40-60,000 bees (Andrea has valiantly tried to give them all names). There is one queen. Except for her maiden flight when she is inseminated by up to half a dozen males, she never again leaves the hive. She will live for 4-6 years and produce 200,000 offspring every year. Most of the other bees are workers, all female. Workers live for about 30-60 days. Early in their life, they nurse the developing bees and the queen and clean the hive. Later they gather...
nectar, carry away dead bees, defend the hive, and scout for new nectar sources. Bees have a sophisticated form of communication utilizing pheromones (smells) and complex dance routines. The male bees, called drones, have only one purpose, to fertilize the queen. Beyond that, they just hang out, do no work, and in the winter are cast out of the hive to die. As one with a Y-chromosome, this was hard to hear.

Initially, things went well. Our bee colony grew; nectar was abundant, and bees were happy. So far, we have only experienced three bee stings (all on Jon, none on Andrea). Then problems set in. We had a mite infestation…. that was treated. We clumsily disturbed the hive, disrupting many combs and leaking honey all over. That attracted wasps and robber bees. A bee war ensued. We took counter measures. Our colony survived but was clearly weakened. Most of their honey stores had been robbed or leaked or otherwise depleted. As another bee-keeper remarked… we must live in a “tough” neighborhood, given the amount of robber bees around. Who would have thought… in Madison? We fed the bees (pure sugar…and some protein cakes).

Now that winter has set in, we have wrapped our hive in an insulating shell, and hope for the best. The survival of our little bee colony is in doubt. It has limited carbohydrate reserves and was stressed before winter arrived. Typically, about 30% of bee colonies will not survive a New England winter. With a mild winter, they will do better. We are hopeful. Regardless, we will continue, and plan to do better next summer. It has been an amazing learning experience, and we have made many new friends. Anyone interested?

Dr. Moeckel Leads Research on Renal Cell Regeneration (continued)

(article continued from page 1)

Moeckel explained, “studies how the tubular epithelial cell dies and what mechanisms are in place to regenerate and facilitate survival of injured tubular epithelial cells.” Moeckel and his lab are studying a cytokine which has highly powerful regenerating properties. The goal is to understand not only what the underlying molecular mechanisms are, but also how the cytokine regenerates kidney cells. “We are also studying the pharmacogenetics of the cytokine when we give it as a drug in the body,” he stated. According to Moeckel, the cytokine can be given before and after ischemic injury to the kidney. It has significant regenerative effects on the cell death of tubular epithelial cells. He and his lab are looking at molecular mechanisms such as necroptosis and autophagy, which are two molecular mechanisms that are involved in cell death and regeneration of kidney epithelial cells.

Their research on how the cytokine Macrophage Migration Inhibitory Factor (MIF) behaves in the blood system, how it is concentrated and broken down, and in what timeframe it has its most beneficial effect on the kidney cell, has recently led to a 3-year, $1.2 million grant from the Department of Defense. Moeckel will study the role of MIF as a rapid response drug to severe hemorrhagic injury in the combat arena. The goal of this work, he explains, is to have MIF carried by military troops in the field. Then, in the case of severe injury with significant blood loss, MIF could be applied immediately through either an intravenous injection or an IV infusion, which would prevent acute renal failure brought on by battlefield hemorrhagic injury.

MIF also has general healthcare benefits, according to Moeckel. He will be examining the preventative effects of MIF against chronic renal failure. In addition, use of MIF in hospital emergency and surgical departments could help to prevent kidney failure from such traumas as motor vehicle accidents, extreme dehydration, or acute renal failure after cardiac surgery, transplant surgeries, or pregnancy complications such as placenta previa. Dialysis is currently the primary mode of treatment. “Remember,” Moeckel advised, “that dialysis is not a very good therapy, long-term, to treat patients.”

Dr. Moeckel received an MD and PhD from the Ludwig-Maximilians-Universität München, Munich, and trained in anatomic and clinical pathology at the University of Arizona, Tucson. He has done extensive research on kidney cell death and regeneration, as well as on diabetic nephropathy and progression of chronic kidney disease in patients with diabetes. Through his work he strives to address the progression from mild lesions of the kidney to chronic renal disease. His lab is currently also studying how hyperglycemia drives fibrosis in kidneys.
New Residents 2017-2018

Po-Han Chen, MD, PhD — AP
Po-Han received his MD in 2017 from Northwestern University Feinberg School of Medicine (Chicago, IL). His undergraduate degree is from Yale University, class of 2008. Po-Han enjoys painting, drawing, visual arts and classic acoustic guitar.

Darin Dolezal, MD, PhD — AP/CP
Darin obtained his MD from the State University of New York Upstate Medical University (Syracuse, NY) in 2017. He is a graduate of Cornell University, class of 2006. Darin enjoys playing golf, playing violin, and both cross-country & downhill skiing.

Lina Irshaid, MD — AP/CP
Lina attended Weill Cornell Medical College in Qatar, where she earned both her medical degree (2017) and her undergraduate degree (2013). Lina enjoys marathon running and traveling.

Padmini Manrai, MD — AP/CP
Padmini earned her medical degree in 2017 from Jefferson Medical College of Thomas Jefferson University (Philadelphia, PA). Her undergraduate degree is from University of Delaware, 2013. Padmini enjoys dance, traveling, karate, and yoga.

Maria (Carolina) Olave-Martinez, MD, — AP/CP
Maria earned her MD in 2016 from Universidad de Los Andes Facultad de Medicina, in Colombia. Maria enjoys jewelry design and creation of artisanal Colombian jewelry, photography, and cooking Italian cuisine.

Edwin Partovi, MD — AP/CP
Edwin received his medical degree in 2017 from St. George’s University School of Medicine, Grenada. He received his undergraduate degree from University of California Los Angeles. Edwin enjoys hiking and camping, outdoor running, playing racquetball and basketball, traveling, astronomy, reading nonfiction, practicing piano, and discovering new music.

Nathan Paulson, MD — AP/CP
Nathan obtained his MD from the Sidney Kimmel Medical College at Thomas Jefferson University in 2017. His undergraduate degree is from the University of Arizona, class of 2013. Nathan enjoys working with/on computers, particularly writing code and learning programming languages. He also loves traveling and sports.

Jeff Wang, MD — AP/CP
Jeff attended Wright State University Boonshoft School of Medicine (Dayton, OH) where he received his MD in 2017. He received his undergraduate degree from University of California San Diego, class of 2011. Jeff enjoys photography, playing piano, bicycling, tennis, basketball, traveling, cooking, and playing with his corgi dog named Jarvis.

2017-2018 Resident Group Photo
(February, 2018)
New Fellows 2017-2018

Mark Benedict, MD  
GI Pathology Fellow (AP)  
Mark recently completed AP/CP Residency training at Yale New Haven Hospital. He received a DO degree from Arizona College of Osteopathic Medicine. Prior to that he attended Grand Valley State University (Michigan) where he received a BBS degree. Clinical/academic interests include: Gastric carcinoma. Mark enjoys hiking, backpacking, kayaking, and other outdoor activities.

Jocelyn Chandler, MD  
Hematopathology Fellow (CP)  
Jocelyn recently completed a Cytopathology Fellowship here at Yale New Haven Hospital. Prior to that she completed AP/CP residency training at Yale New Haven Hospital where she was also Chief Resident. She received a BS degree from Cornell University followed by an MD degree from Yale School of Medicine. Jocelyn enjoys hiking, tennis, and reading.

Steve Hardee, MD  
Hematopathology Fellow (CP)  
Steve returns to us after briefly leaving to complete a fellowship in Pediatric Pathology at Baylor College of Medicine (Texas Children’s Hospital). He completed AP/CP residency training at Yale New Haven Hospital in 2016, where he was one of the Chief Residents.

Stephen Smith, MD  
Endocrine, Head & Neck Pathology Fellow (AP)  
Stephen completed AP/CP residency training at Ohio State University Wexner Medical Center, Columbus, OH. He received his MD degree at the University of Toledo College of Medicine. Following his year at Yale, he will be completing a one-year fellowship in dermatopathology at Ohio State University under Dr. Sara Peters. Clinical/academic interests: Endocrine/ENT pathology, soft tissue and skin pathology; molecular mechanisms underpinning invasive cancers and their interplay with the adjacent stroma; mesenchymal neoplasms. Stephen enjoys bicycling, playing tennis, going to comedy clubs and freelance writing.

Olivia Snir, MD  
Breast/GYN Pathology Fellow (AP)  
Olivia recently completed her AP/CP training at Yale New Haven Hospital, where she was one of the Chief Residents. She received her MD at the Perelman School of Medicine (University of Pennsylvania) and completed a Masters in physics at the University of Pennsylvania. Clinical/academic interests: ovarian pathology and molecular diagnostics. Olivia enjoys climbing, traveling, reading, and spending time with her family.

Parker Wilson, MD  
Renal GU Pathology Fellow (AP)  
Parker recently completed AP/CP training here at Yale New Haven Hospital. He received both MD and PhD degrees (Molecular & Cellular Biology and Pathobiology) from Medical University of South Carolina. He attended Johns Hopkins and received a BS degree in Biomedical Engineering (Honors) with a concentration in Computer Science.

Tao Zuo, MD, PhD  
Cytopathology Fellow (AP)  
Tao recently completed a Breast/GYN Pathology Fellowship here at Yale New Haven Hospital. He completed AP/CP Residency training at Tufts Medical Center. He received an MD degree from Beijing Medical University, China and a PhD degree from the Ohio State University. His postdoc research study focused on cancer genetics and epigenetics, especially DNA methylation and chromatin modifications in breast cancer. Clinical/academic interests: breast/GYN pathology, cytopathology. Tao’s future research goal is identifying new molecular markers for gynecological tumors and developing the molecular diagnostic tools to improve cytopathological diagnoses. Tao enjoys spending time with family, hiking, swimming, reading.
On Sunday, Sept 24, at Veterans Memorial Park in Branford, under a bright sun and 90° temperatures, the residents/fellows again met the pathology and laboratory medicine faculty on the soccer field for two twenty-minute halves of soccer play. Many thanks to Peter Chen for not only coordinating the activity, but making sure there were plenty of cold drinks for both teams to enjoy before, during, and after the game. The attendings took an early lead, with goals being scored by Rom Celli, Sam Katz, Dhanpat Jain, Joe El-Khoury, and probably some others – no one can really remember. In the second half, the residents made a comeback, with Peter Chen scoring 3 consecutive goals, but time ran out before they could even the score – the final score was Attendings 8, Residents 3.

Photos courtesy of Karin Finberg, MD, PhD.
Extramural Clinical and Research Faculty Talks

Peter Humphrey: Medical University of South Carolina Multi-speciality Symposium. Kiawah, SC. Apr 7, 2017. “2016 WHO Classification of Tumors of the Prostate” AND “Benign Mimickers of Prostate Cancer”.


Themis Kyriakides: 2nd International Conference on Stem Cells. Rhodes, Greece. “Regulation of Mesenchymal Stem Cell Differentiation by Nanopatterning”.


Demetrios Braddock: UCSD, Dept. of Pathology, Grand (article continued on page 16)
The Department of Pathology held its annual holiday party on December 8th at 55 Park Street. Members of the department and their families celebrated the holiday season with delicious food catered by Vazzy’s Italian Restaurant. Children (and some parents) created their own ornaments at a crafts table with the help of Santa’s helpers. A festive photo booth was run by Kate Henderson and Sarah Whitaker of the ITS Unit. Besides Dr. Morrow, the most notable guest at the party was Santa himself, who posed for photos with children of all ages. The merriment would not have been possible without the hard work of Jo-Ann D’Agostino, Monica Solorzano, Corinne Brewi, Kyle Preston, Kate Henderson, Sarah Whitaker, Keisha Birdine-Ewell, Rachel Lyke, and the Facilities Team.
More Holiday Party photos can be seen on the Department intranet at: http://10.84.2.22/photos/HolidayParty2017/index.html
Staff News

In Memory of Christopher Sylvest

By Brandon Mones, Pathology Assistant, Yale University

Christopher Stephen Sylvest, 45, of Glastonbury, tragically passed away on January 10, 2018. We all lost a co-worker and friend and are left with so many unanswered questions.

Chris was born and raised in Mandeville, Louisiana, and always maintained his very southern and respectful “Yes, Ma’am and Yes, Sir” attitude. He received his bachelor of science degree in Medical Technology and a master’s degree in Pathology from the University of Southern Mississippi, and a pathologist assistant master’s degree from Quinnipiac University.

Chris first accepted a job at Dartmouth University after PA school, but came to Yale shortly thereafter, in 2007. He developed an interest in both Head and Neck Pathology as well as Bone and Soft Tissue Pathology. Chris became the “go to” PA for composite resections, laryngectomy and sarcoma specimens. He took pride in his work in surgical pathology at Yale University where he was respected by all who worked with him. He enjoyed teaching residents, PA students, and his forensic pathology students at Quinnipiac as well. His knowledge will certainly be missed by all.

He met his wife, Tammy while in PA school at Quinnipiac University. In 2006, they married, and began raising their beautiful sons, Ben (9) and Parker (6), in Glastonbury, CT. He adored his family and their time together spent skiing, camping, watching movies, and creating memories. He was a diehard Louisiana State University and New Orleans Saints fan. At the end of the day he loved to enjoy a cold beer. Chris, you will be missed by all.

Spotlight on Staff

Department Welcomes New Staff

Marisa Zurlo is the Senior Finance Manager for the Department of Pathology. She started in this role in mid-October. Previously, she was the Operations Manager in the Pediatrics Department, before going to work on the Workday project. In her current position, Marisa manages and oversees the Business Office along with departmental budgets and finances.

Rachel Lyke joined the Pathology Department in November as the Faculty Support Supervisor. She reports to Margaret Gilshannon and sits in the Chair’s Office. In her role, Rachel supervises the administrative assistants, manages departmental communications from the Chair’s Office, and works with David Freedman and Monica Solorzano on faculty affairs and onboarding. Prior to coming to Yale, Rachel was the Program Manager for the Center for Judaic Studies at Fairfield University. She is currently working on her dissertation for her EdD in Higher Education Administration from Northeastern University.

David Z. Freedman is the Faculty Affairs & HR Coordinator for the Department of Pathology. Before coming to the Department, he held this role for the Department of Psychiatry. Originally from Plymouth, MA, he currently lives in Newtown, CT. Some of his duties in this role include managing and overseeing all aspects of Faculty Management and transactional Human Resources duties for the Department. He administers and coordinates faculty recruitment, appointments and promotions, visas, visiting faculty and post-doc appointments. David describes himself as a team player and strategic thinker who is always willing to listen.

Monica Solorzano is the Faculty Affairs & HR Senior Administrative Assistant for the Department of Pathology. She reports to David Freedman and Rachel Lyke and works with faculty appointments, credentialing, and new faculty onboarding. Prior to coming to the Pathology Department, Monica was a Research Assistant II in the Department of Psychiatry at Yale. Monica is featured in our “Meet” column on page 15.
Meet Monica Solorzano, Faculty Affairs & HR Senior Administrative Assistant

By Rachel Lyke

Monica Solorzano is one of the new faces in the Pathology Department. As the Faculty Affairs & HR Administrative Assistant, Monica reports to David Freedman, our new Faculty Affairs & HR Coordinator. As many of us have already learned since she began in the Department last fall, Monica’s role of facilitating the faculty hiring and credentialing processes is extremely essential.

Before joining Pathology, Monica was a Research Assistant in the Department of Psychiatry at Yale. Working with Dr. Marc Potenza, her research focused on impulsivity and impulse control disorders, and involved coordinating with multiple internal and external research sites to schedule appointments, coordinating the shipment of biological materials, writing and updating manuscripts for publication, advertising for study subjects, and conducting interviews. In a double-blind study involving placebo-controlled investigation of N-Acetyl-Cysteine plus behavioral therapy for nicotine dependent pathological gamblers, Monica took on the tasks of participant recruitment, intake, and the administration of structured clinical interviews and questionnaire assessments.

Assisting with an investigation of cocaine dependence, pathological gambling, binge eating disorder, obesity, and dependence on tobacco and alcohol, she used fMRI to examine regional brain activity while conducting tasks. In the Psychiatry Department, Monica maintained strong, open, and trusting relationships with research study participants. She established and maintained study files meeting HIPAA compliance requirements, and applied effective and professional communication and leadership when working with her team. She is a co-author on publications regarding impulse control disorders related to gender and sex differences and diagnosis.

Monica’s role in the Pathology Department involves supporting the hiring, onboarding, and credentialing of our faculty. She is often one of the first people that new faculty and research scientists work with upon being hired. She supports the appointments and promotions committee and is an integral member of the Faculty Affairs team.

Monica is trained in Structural Clinical Interview for DSM Disorders. In 2012, she received the Service Recognition Award at Yale. She enjoys all warm weather activities, specifically hiking with her dog, visiting the beach, and playing recreational sports.

Cytotechnology Unit Sponsored a Holiday Charity Raffle

In November, members of the Cytotechnology Unit put together a holiday basket raffle to collect toys, clothing items, and canned food to donate to local charitable organizations. Rather than having members of the Pathology Department purchase tickets, it was suggested by Samantha St. Clair that a ticket would be given for each item someone donated. Cindy Deriso, Mary Helie, Kara Duch, Laura Fuller-Weston, and Katarzyna Nasuta all made and donated baskets that were put up for raffle. While tickets were available for purchase, items donated would enable the person to acquire more of them.

As of the first week of December, over 100 toys, 300 clothing items (winter items especially), 50 boxed food items, 60 canned pet food items, 100lbs of dog food, and 200 canned food items were donated. Other donated items included diapers, bottles, wipes, infant and children’s clothes, coats, hats, gloves, and socks. Many of the donations were given to the Christian Community Action (CCA), located at 168 Davenport Avenue in New Haven. The CCA facility includes an on-site food pantry as well as a community closet. Its mission is to distribute donated items to local families in need at no cost to the individuals, while also providing emergency services to three New Haven shelters. The toys collected were sent to the Children’s Hospital Toy Closet and the Christian Community Action.

Those involved with the raffle state that they were able to embrace the true meaning behind the holiday spirit.
Construction Update

By Rachel Lyke

As we all know, there is currently quite a lot of construction taking place in Brady Memorial Laboratory (BML) and Lauder Hall (LH). Beginning in mid-February, the LH108 Suites will include six offices. Also in February, the windows and radiator will be updated in the Chair’s Office. Dr. Morrow, Kathie Hawtin, and Rachel Lyke are temporarily located down the hall, in LH108, while construction is being completed.

The Morrow Research Lab rooms, which are currently located at BML 142-154, will be given a total renovation that should be completed in May. The conference room located in BML137 is getting a new projector as well as new doors that will have glass windows.

BML 161, which was the old home of Pathology Digital Imaging, will be renovated and used half as a cold room and half as a tissue room. In Lauder Hall, the room that is currently 106 will be turned into a break/conference room. This work is also planned to be completed in May.

Extramural Clinical and Research Faculty Talks (continued)

(article continued from page 11)


Please Welcome...

Dr. Serena Wong welcomed new baby Theodore Hon-Man Murphy, born on January 11, 2018 at 2:18pm. He weighed 8 lbs. and 4 oz. and measured 20 inches. Dr. Wong reports that both she and Theodore and are doing just fine. Congratulations!

Dr. ILKe Nalbantoglu sends news of the new addition to her family. Son David Arman DiDomenico was born January 9, 2018, at 6:54 a.m., weighing 6 lbs. and 8 oz., and measuring 20.5 inches long. Congratulations!

V.I.P. Dr. Morgan Levine (continued)

(article continued from page 2)

incidents of disease.” She has also conducted research on socioeconomic status in childhood and how it affects later-life gene expression. Through this work it was determined that individuals who have low socioeconomic status while under the age of 18 and who also have parents who are either drug or alcohol abusers, or who have experienced physical or sexual abuse, often wind up with higher levels of inflammation. She explains that those who grow up in deprivation but eventually leave it are not as prone to chronic diseases, but acknowledges that “it is hard [for them] to get out of their environments.”

Morgan is an avid equestrian. Her love of horses and riding is part of the reason why she and her husband, Zachary, an Associate Research Scientist in the Department of Pathology, chose to move to Bethany, CT. They have a two-year-old daughter, Aria.