

WELCOME

Message from the Chair



Happy Holidays!! I hope that you will enjoy the holiday season with friends and family. Please take some time to see all that is going on with our radiation oncology family at Penn Medicine in our quarterly newsletter. As usual, our team is involved with Penn and our community in so many impressive ways. It has been a busy Fall season with the successful opening of our Cherry Hill facility. We are also doing additional work again at PCAM with the research room under construction and the planned move of the small animal irradiator to this area in the next few weeks. We expect the research room to be operational by the end of January 2017. This will give our faculty a new avenue of research to compare protons to conventional radiation. Our interview season for residency applicants is in full swing, so you may see a number of new faces touring the department. We have completed a series of successful retreats with faculty and I look forward to implementing many of the suggestions over the coming year. Again, I wish you all the best for this holiday season! We hope to see you at our annual holiday event!

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Let's Celebrate.

*You are cordially invited to the
Radiation Oncology Holiday Celebration
Friday December 16, 2016
7:00PM - 11:00PM
Academy of Natural Sciences
1900 Benjamin Franklin Parkway
Philadelphia, PA 19103*

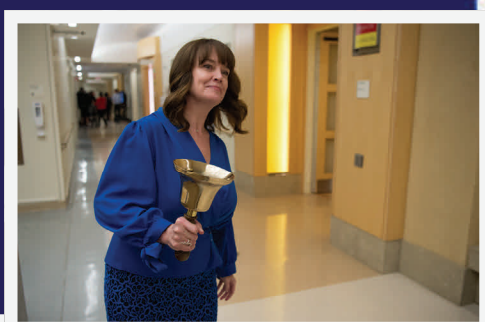
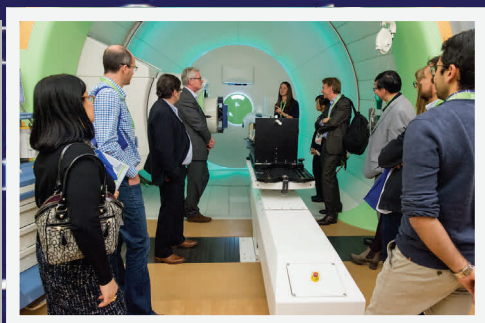
*Please RSVP to Cordy Baffic by November 30th
Cordelia.Baffic@uphs.upenn.edu*

Parking available at the LAZ Parking Lot located at 1919 Arch St

Training the World

Penn Radiation Oncology Draws Global Crowd for Proton Therapy Course

This year's Third Annual Course on Proton Therapy took place from November 18-20, 2016 and welcomed over 125 participants from all over the world including Belgium, Argentina, Brazil, Canada, Columbia, Egypt, Germany, India, Italy, Netherlands, Panama, Russia, Taiwan, Turkey, United Arab Emirates, United Kingdom, & USA. The three day comprehensive course has received positive feedback and increasing popularity in the international proton community.



Penn Medicine's Department of Radiation Oncology
Named 2017 Beneficiary of The Philadelphia Antiques and Art Show

A BENEFIT FOR  PENN MEDICINE

THE PHILADELPHIA ANTIQUES & ART SHOW[®]

ANNOUNCES THE 2017 BENEFICIARY

The Philadelphia Antiques & Art Show is excited to announce Penn Medicine's Department of Radiation and Oncology as its 2017 beneficiary.

Show proceeds will help build the department's Quality of Life Program, designed to improve the overall wellbeing of patients and caregivers within the department's waiting areas, making patients' first encounter on the journey of healing to be a transformative and holistic experience by providing a place of calm, community, optimism, inspiration, and support.

The Philadelphia Antiques & Art Show is an exciting opportunity to experience history through a world of extraordinary treasures. With over 60 distinguished exhibitors presenting exceptional handcrafted items and art from the Colonial to the Mid-20th Century eras, come see why the Philadelphia Show has been called one of the finest of its kind for over 50 years.

Plan to Join us at the Preview Party
to support this amazing program!

APRIL 21-23, 2017

PREVIEW PARTY APRIL 20th

SAVE THE DATE

www.Philadelphiaantiquesandartshow.com for ticket information.

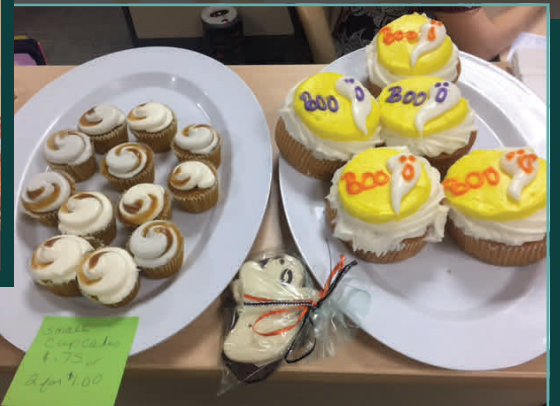
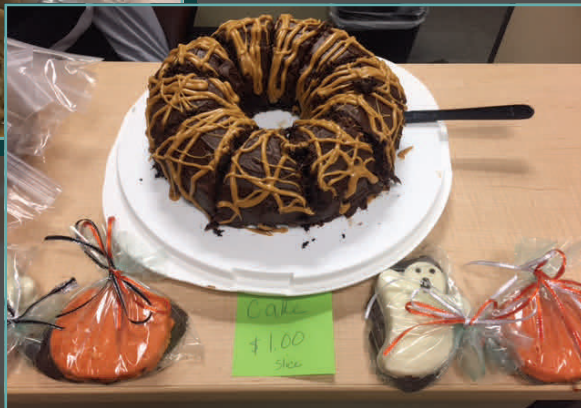
Philadelphia's Inaugural "Real Men Wear Pink" Supports American Cancer Society & Making Strides Against Breast Cancer

Suneel Nagda, MD, participated in and raised over \$3000 for Philadelphia's Inaugural "Real Men Wear Pink" campaign to support the American Cancer Society and Making Strides Against Breast Cancer. During the month of October, Dr. Nagda pledged to wear pink every day in support of this campaign. The "Real Men" Making Strides event took place on October 15th.



Philabundance Fundraiser 2016

Radiation Oncology participated in the Camp Out for Hunger Campaign by donating \$525 raised from department bake sale that was held from October 3—November 11th.



PHILABUNDANCE

Driving hunger from our communities

ANNOUNCEMENTS

FALL 2016 NEWSLETTER



HOLIDAY CHARITY BASKET RAFFLE RULES

Each group is requested to provide baskets or pair up with another group:

- Billing, Finance and IT •Call Center & Administrative Assistants
 - CHOP •Dosimetry •Front Desk •Therapists •Medical Residents
 - Network Locations •Nursing •Nutrition •Social Work •Physics
 - Physics Residents •Clinical Research Coordinators •Research Division
 - Research Division •Management
- Themes that you might consider for baskets are: Movie night, Italian dining, Tailgating, Date night, Housecleaning, games, electronics, spa, adults only/libations, gift card tree, lottery tree, BBQ theme, Get Away, Home Décor, Pet fun, etc.
 - Completed baskets & list must be turned in by **Friday, December 9** to: Sarah Lowitz, Mary Cohen, Karima Cooper, Chelsea Petre, Reed Wurts Christie Foti, Ghecora Boyd, Terri Snyder, Jamie Maturo or Karen Costello
 - Pictures of baskets will be posted on the Rad Onc Shared Drive at: I:\Shared\Rewards and Recognition\Basket Raffle Dec 2016\Basket Raffle Pics
 - Ticket Sales begin **December 1st** - \$5.00 for 10 tickets or \$10.00 for 25 tickets

The Raffle takes place on:
December 15th 12:00pm to 3:00pm
TRC 2 West

(Preview Day December 14th 12pm-2pm in conference room 2-311 (behind Susan's Office)
(Drawing to be held at 3:00pm, you do not need to be present to win)

- There will be 10 consolation prizes chosen at the end of the day.



Donate Your Change

Support Women in Transition
Charity to brighten a family's
Holiday

Donate your change to "spare
jar" in TRC 4 West conference
room.

Participate in this year's

Holiday Charity Basket Raffle

Preview Day: December 14, 2016

Raffle Day: December 15, 2016

12:00 pm—3:00 pm

TRC 2 West Conference Room

Please join the

Radiation Oncology Research Unit
in donating spare change

YOUR CHANGE
CAN MAKE
A CHANGE



The RadOnc Clinical Research Unit has adopted a family for their holiday charity from Women in Transition, a local organization which provides empowerment counseling, referrals and advocacy to women in Philadelphia who are endangered by domestic violence and/or substance abuse (www.helpwomen.org).

They would like to help brighten this family's Holiday. To aid in this they have a "spare change jar" set up on TRC-4.

If interested in supporting, you are welcome to visit our "spare change jar" or see a clinical research staff member. (We will accept bills too!)

Thank you!

The Clinical Research Unit

Welcome New Employees

Lei Dong, PhD
Vice Chair & Director of Medical Physics
Benjamin Goldsmith, MD
Medical Director
Elizabeth Azar, BS
Dosimetrist
Nadine Basri, BA
New Patient Coordinator
Christina Nguyen, BS
Clinical Research Coordinator
Martjoel Racca
Clinical Services Associate
Kristin D'Elia, BSN, RN, Staff Nurse
Victoria Rate, BSN, RN, OCN, Staff Nurse
Kristine Rennert, BSN, RN, OCN, Staff Nurse

Brian Lally, MD
Radiation Oncologist
Jared Gershowitz
Research Intern
Rene (Aretha) Bates, MBA
Staff Assistant
Amanda Buirge, MBA
Billing Supervisor
Kim Liberatore, MSN, RN, CPHQ
Senior Improvement Advisor
Zachary Shoemaker, MA
Faculty Coordinator
Jessica Thompson
Patient Service Representative
Macy Limanni, BSN, RN, Staff Nurse

Jennifer (Wei) Zou, PhD
Physicist
David Miller
Research Intern
Hongyu Chen, BS
Dosimetrist
Robert Goodman, MD
Radiation Oncologist
Dimitri Mihailidi, PhD
Chief of Photon Physics and Dosimetry
Terri Snyder
Director of Network Operations
Joseph Springer, BS
Financial Services Representative
Sloane Rabe, BSN, RN, Staff Nurse
Tara Ryan, BSN, RN, Staff Nurse

Promotions & Appointments

David Guttmann, MD
Assistant Chief Resident
Goldie Kurtz, MD
Assistant Professor of Clinical Radiation Oncology
John Nicholas Lukens, MD
Assistant Professor of Radiation Oncology
William Levin, MD
Associate Professor of Clinical Radiation Oncology
George Chao, MD, PhD
Assistant Chief Resident

Awards/Grants/Recognition

Sam Swisher-McClure, MD
Provider of the Year, Penn Medicine Experience Week
Maya Korobeynik, MHA
Graduated with out Masters in HealthCare Administration, St. Joe's University
Laura Kendrick, MHA
Graduated with out Masters in HealthCare Administration, St. Joe's University
Genny Hollis, MSN, CRNP
Nominee for the Barbara Todd Leadership Award
Participated on Advanced Practice Provider Metrics Panel at JADPRO Live/APSHO Conference
Erin McMenamin, MSN, CRNP
Named as a member of the Distinguished Oncology Nursing Panel for Penn School of Nursing; she also authored Radiation Oncology Primer for the ASCO University educational program
Andy Minn, MD, PhD
Scientific Research Award
Yi Fan, MD, PhD
2016 AACR Judah Folkman Career Development Award for Angiogenesis Research
Christine Colon
Nominated to receive the 2016 HUP Patient Advocacy Award



You did it!
Congratulations

You did it!
Congratulations

25 /30 Year Club Inductee

Vilma Griffiths, RN (25 Years)
Karima Cooper, RTT (25 Years)
Darlene Bassett (25 Years)
Willene Blair, BS, CC (25 Years)
Rosanne Scamuffa (25 Years)
Ron Kiker (25 Years)
Lynne Davis (30 Years)

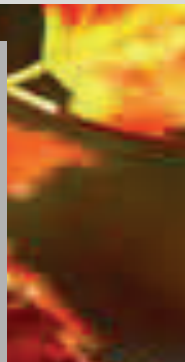


2016 HUP Patient Advocacy Award

Congratulations to Christine Colon for being recognized with the 2016 Patient Advocacy Award on November 3, 2016. Christine was one of 11 HUP employee's who received this award. Christine is one of the first faces that our early morning patients see every day at PCAM for treatment. She always has a smile on her face while she welcomes them, quickly learns their names, makes the patients feel comfortable and cared for, directs all of the new patients and visitors around our department and the Perelman Center. While doing this Christine always is keeping the patient and their family at the focus. Christine embodies the Penn Medicine experience and I am so proud that she is a part of our department. Thank you Christine for the care you provide to our patients!!

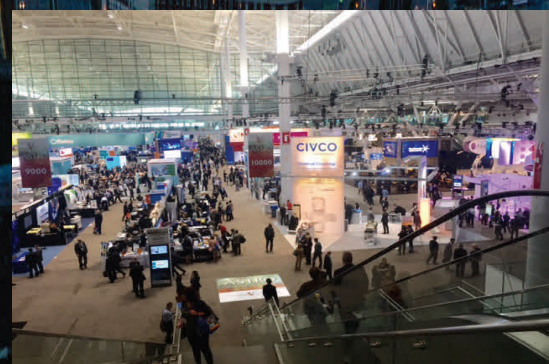


25 Year Employee Induction Dinner—September 22, 2016



ASTRO 2016
Sept. 25-28 — Boston, MA

FALL 2016 NEWSLETTER



Social Scene

FALL 2016 NEWSLETTER

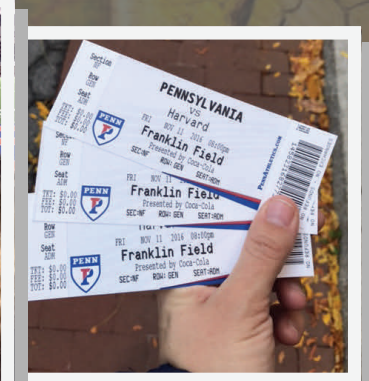
Faculty Retreat—October 28, 2016



Radiation Oncology Nursing Retreat—October 1, 2016



Penn vs. Harvard Football Game - November 11, 2016



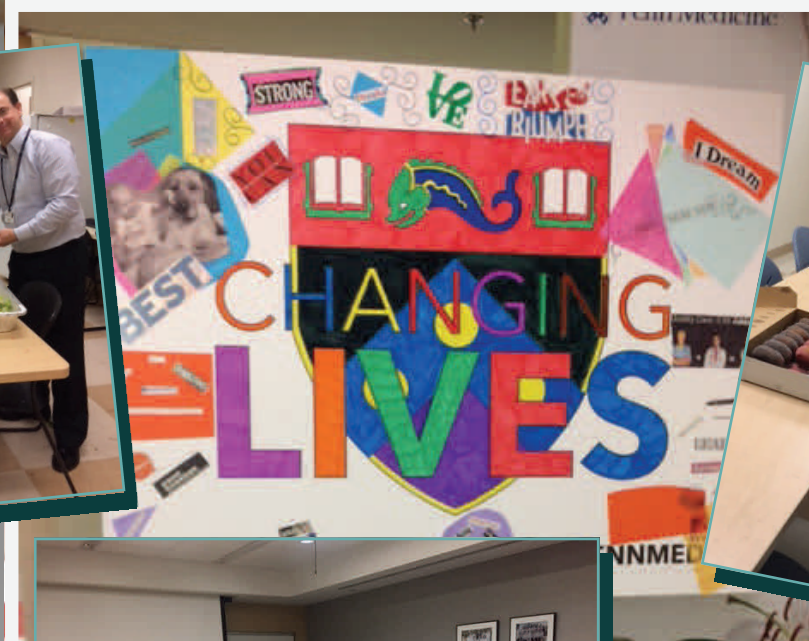
Radiation Oncology Network Retreat—December 8, 2016



Penn Medicine Experience Week - October 10–14, 2016



Taco Tuesday



Donut Day!!!



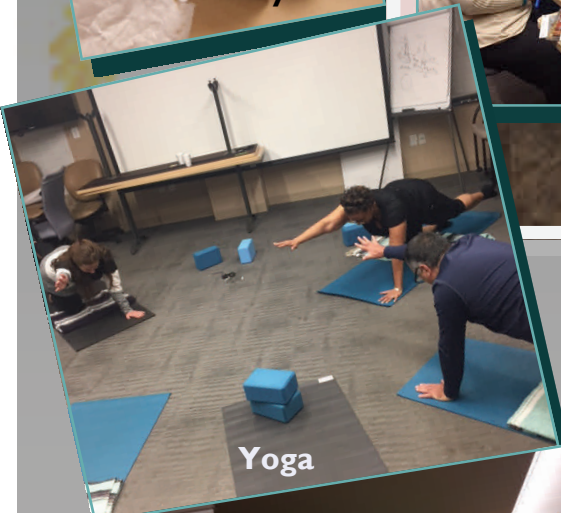
Pretzel Day!



Art Therapy



Aroma Therapy



Yoga



Patients Recognizing Staff for their Hard Work



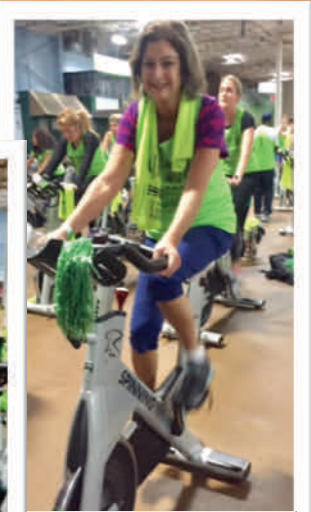
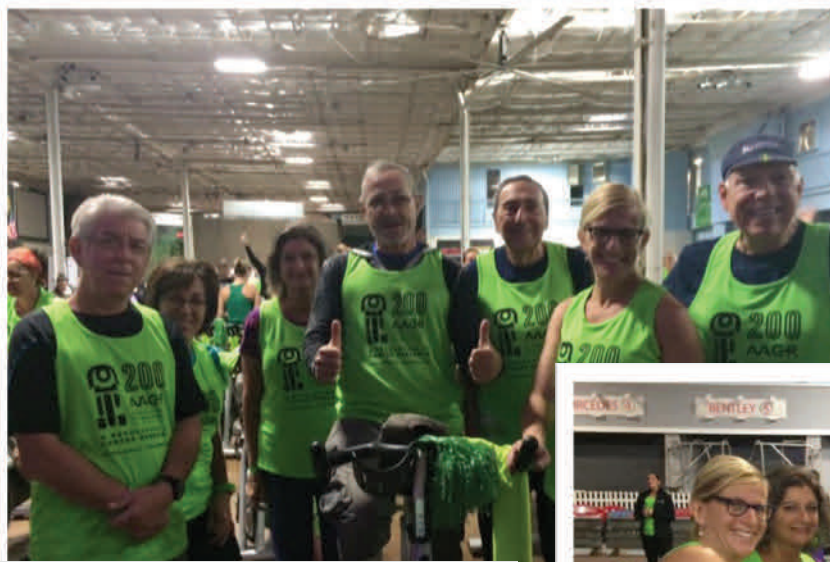
Employee Recognition



SPINTENSITY 200 Challenge—Nov. 5, 2016

Radiation Oncology's Beam of Life

Alumni Patients Support Cancer Research



15 Year Anniversary Celebration—Head and Neck Support Group



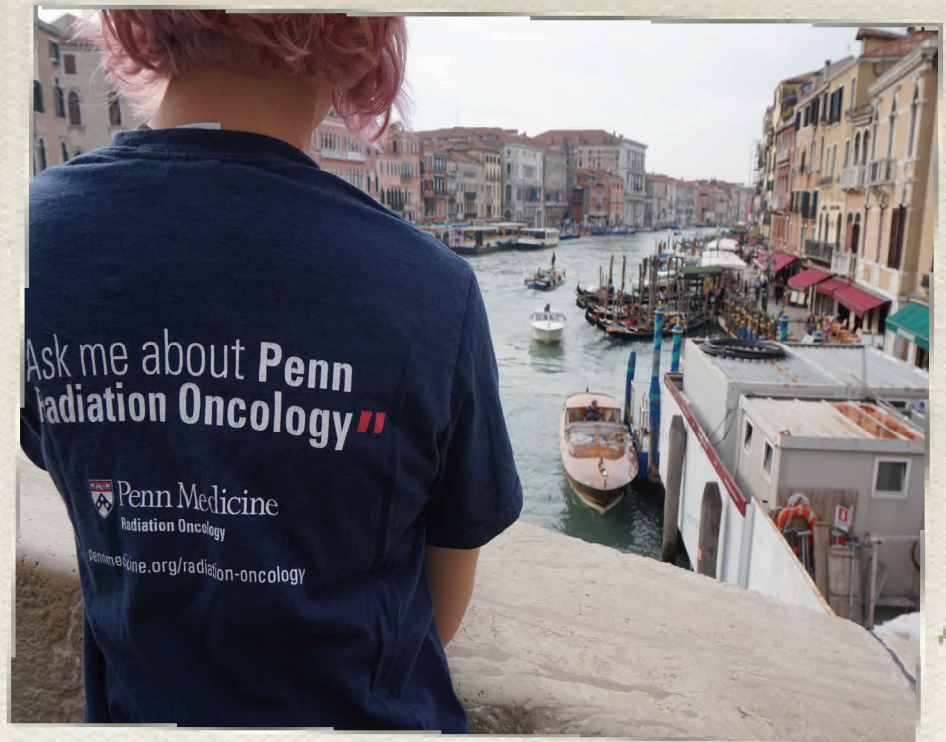
The Penn Head and Neck Cancer Survivor’s Group celebrated their 15 year Anniversary on October 5, 2016. The group is the Philadelphia/ NJ Chapter Support group of SPOHNC (Support for People with Oral and Head and Neck Cancer).



Where in the World is Penn Radiation Oncology?



Barcelona, Spain



Venice, Italy

RadOnc Medical Residency Program

A total of 23 students have rotated through the department since 01/2016. Five of these students were from Penn, the remainder were from outside institutions including UCSD, University of Hawaii, Washington University in St Louis, Cleveland Clinic, Colombia University, Jefferson University, and Temple University.

In addition to rotating with their primary and secondary clinical services, students have participated in weekly radiation oncology lectures focusing on basic clinical oncology workflow, imaging and treatment modalities, radiation oncology emergencies, and basics of radiation physics and radiation biology. Students have contributed to our radiation oncology didactic series with lectures including “Radiotherapy for bleeding gynecologic malignancies,” Thoracic Radiation for Extended Stage SCLC,” and “Examining the QUARTZ Trial: A Non-Inferiority Randomized Study.”

Masters Medical Physics Program

This Fall, we welcomed nine new Master’s Degree and two new Certificate students into the Medical Physics graduate program. With five women, this year’s class is particularly diverse. Classes are well underway, as is the Professional Development series, which prepares students for Residency applications. We appreciate all the Physics faculty and staff who have given their time to act as mentors to help our students prepare. The continuing Master’s students presented proposals for their Capstone research projects in September, with topics ranging from machine learning for IMRT and proton QA to Electron paramagnetic resonance (EPR) measurement of teeth for radiation dosimetry. We look forward to seeing the results of their research efforts this Spring. We also received news that all four of our second-year Master’s students passed at least one of the two sections of the ABR Part I exam, with three of them passing both sections. Congratulations all around on this achievement.

Physics Residency

- ◆ Two residents have visited Christiana Health to observe LDR prostate seed implants and Mammosite HDR brachytherapy procedures.
- ◆ One resident visited Jefferson Hospital to observe HDR prostate and Contura HDR brachytherapy procedures.
- ◆ We have hosted two physics residents from Jefferson Hospital for 1 week to observe proton therapy.

Penn Medicine Article Features Proton Therapy Course

Click on link below to read full article:

<https://www.pennmedicine.org/news/news-blog/2016/december/proton-therapy-course-draws-global-interest>



The screenshot shows a news article from Penn Medicine News. The article title is "Training the World: Proton Therapy Course Draws Global Interest" and it is dated December 12, 2016. The article text describes how Penn Medicine's Proton Therapy Center is attracting international interest, with students from various countries attending a course. A small photo shows a group of people in a treatment room.

ASTRO Accreditation Program for Excellence (APEX) Onsite Visit - January 13, 2017.

The Goal of APEX is to accredit facilities that have the systems, personnel, policies and procedures needed to provide high-quality, safe patient care.

The onsite visit is the 3rd requirement in the accreditation following Medical Record abstraction and Documentation upload and review.

The APEX Excellence Model includes 16 standards within 5 pillars of excellence.

Pillar 1 is The Process of Care and includes: Patient Evaluation, Care Coordination and Follow-up, Treatment Planning, Patient Specific Safety Interventions and Safe Practices in Treatment Preparation and Delivery.

Pillar 2 is The Radiation Oncology Team and includes: Staff roles and Accountabilities, Qualifications, Ongoing Training, Safe Staffing Plan

Pillar 3 is Safety and includes: Culture of Safety, Radiation Safety, Emergency preparation and planning

Pillar 4 is Quality Management and includes: Facility and Equipment, Information Management and Integration of Systems, Quality Management of Treatment Procedures and Modalities, Peer Review of Clinical Processes.

Pillar 5 is Patient Centered Care and includes: Patient Consent, Patient Education and Health Management, Performance Measurement and Outcomes Reporting.

Our APEX Accreditation application includes our practices at Chestnut Hill, Doylestown, PCAM, Pennsylvania Hospital, and, Valley Forge

ONCOLINK UPDATES

OncoLink's Annual Health Insurance Education Series

Do your patients have questions about insurance? Are you helping a parent navigate Medicare? Do you wish you understood your own health insurance better? Never fear – OncoLink is here to help! Our annual educational webinars cover topics including:

Health Insurance 101

Medicare A&B, Advantage Plans, Part D Coverage & Medigap Plans

ACA plans

Medicaid

COBRA

Watch the modules relevant to your needs at

www.oncolink.org/insurance



RESEARCH UPDATE

FALL 2016 NEWSLETTER

Welcome:

The Research Division is excited to welcome the four members of Dr. Andrea Facciabene's lab: **Mireia Uribe-Herranz, PhD; Stefano Pierini, PhD; Luis Gil de Gomez, PhD** and **Abhishek Mishra, MD** to our department. In September this dynamic team moved to Radiation Oncology Research (lab SCTR

8-171) from the Ovarian Cancer Research Center.

We are also pleased to welcome new visiting scholar, **Bo Gao, PhD** to Dr. Yi Fan's Lab. Fan Lab also welcomes three new visiting graduate students; **Guanghui Hu, MD; Wenjuan Ma, MD** and **Hao Duan, MD**.

Upcoming Research Seminars:

All Seminars are in SCTR 8-146AB from 12-1pm (unless noted otherwise)

Thursday, November 3, Dr. Ann Kennedy Symposium, JMB Class of '62 Auditorium 2:30pm

Thursday, November 10, RBI Seminar: Dr. Andrea Facciabene

Thursday, November 17, Invited Speaker: Dr. Zhiyuan Shen, Rutgers, SCTR 12-146 from 1-2pm

Thursday, December 8, RBI Seminar: Dr. Christine Hill-Kayser

Thursday, January 12, RBI Seminar: Dr. Michael Farwell

Thursday, January 26, Invited Speaker: Dr. David Gius, Northwestern University



Funding News:

Congratulations to **Dr. Gary Kao** on the award of his R01 grant, *Circulating Tumor Cells Analyses and Molecular Profiling for Patients Receiving Radiation Therapy*, which was recently funded by the National Cancer Institute. We also congratulate **Dr. Stephen Avery** on receiving R21 grant, *Protoacoustics - Clinical Based Range Verification for Cancer Treatment*. This project was funded by the National Institute of Biomedical Imaging and Bioengineering. Finally, Dr. Yi Fan was recently honored as a recipient of the 2016 American Association for Cancer Research (AACR) Judah Folkman Career Development Award for Angiogenesis Research. Dr. Fan was selected for this award based on the relevance of his research to the AACR's mission and its expected impact in the field of cancer research. This award recognizes Dr. Fan's position as a burgeoning leader in cancer research.

Update and Congratulations:

The Department of Radiation Oncology Annual Research Retreat was held on Friday, October 14th and met with great success. It included a total of fourteen oral presentations and an additional fifteen posters on cutting edge research within all three divisions of our department. **Dr. Fei-Fei Liu** (Chair, Department of Radiation Oncology, University of Toronto) presented as the keynote speaker on *Mitigating Radiation Fibrosis with Adipose-Derived Stromal Cells*. Awards were presented for the best oral and two best poster presentations by a trainee for research that was judged to be of the highest novelty and impact, as clearly communicated by the presenter. The winners included **Kevin Nead, MD** (medical resident; androgen deprivation therapy and dementia), **Lauren Brady** (graduate student; genome-wide transcriptome analysis of head and neck cancer cells under hypoxic stress) and **Ching-Ling Teng, PhD** (physics resident; dosimetric robustness in proton and IMRT plans for non-small cell lung cancer).



Oral Presentation Winner, Kevin Nead
Receives his award from Dr. Busch

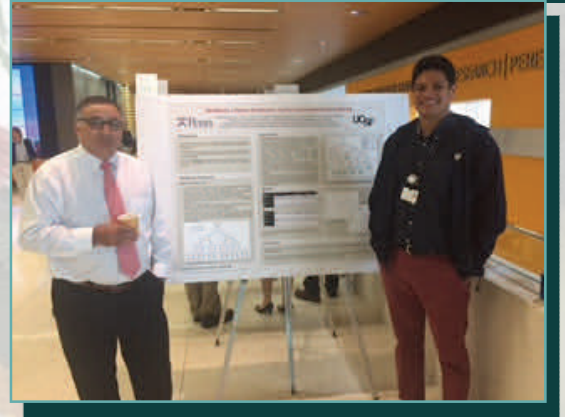


Oral Presentation Winner, Lauren Brady, receives her award
from Dr. Theresa Busch

Poster Presentation Winner, Ching-Lin Teng, discusses
Her poster with viewers



Department Research and Clinical Trials Retreat



Dr. Ann R. Kennedy Symposium

The **Dr. Ann R. Kennedy Symposium** was held on Thursday, November 3, 2016 to recognize the many contributions that Dr. Kennedy has made in the study of space radiation medicine and radioprotection during her illustrious 28 year research career here at Penn. The symposium was opened by Dr. Metz, followed by a keynote presentation by NASA Astronaut Serena M. Auñón-Chancellor, MD, MPH, who spoke on the *Medical Challenges of Working in Low Earth Orbit*. Presentations from former collaborators and lab members of Dr. Kennedy served to highlight the broad impact of their research over the span of Dr. Kennedy's career. The evening culminated with a reception in Dr. Kennedy's honor.



Light the Night Walk

Dr. Et-Tsu Chen participated in the Lymphoma and Leukemia Society Light the Night Walk with Mary Thomas and Maureen Boylan.



Valley Forge Meet & Greet

Valley Forge staff greet and welcome the new Director of Network Operations, Terri Snyder.



Doylestown Honors Dr. Sam Swisher-McClure

The staff at Doylestown held a luncheon on October 26 to honor Dr. Sam Swisher-McClure. He covered at Doylestown from June through October, during an unplanned physician leave. The patients and staff appreciated his professionalism, kindness, and compassion. Many thanks to Sam for helping us to keep things running during a stressful time!



Chester Country Hospital Celebrates Staff

Rosanne Scamuffa (25 years) and Lynne Davis (30 years) were recently recognized by CCH for their years of service. Both are therapists for Radiation Oncology at CCH.



- Chandra A, Lin T, Young T, Tong W, Ma X, Tseng WJ, Kramer I, Kneissel M, Levine MA, Zhang Y, Cengel K, Liu XS, Qin L. Suppression of Sclerostin Alleviates Radiation-Induced Bone Loss by Protecting Bone-Forming Cells and Their Progenitors Through Distinct Mechanisms. *J Bone Miner Res*. 2016 Sep 16; PMID:27635523.
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- Jiang Y, Qiu Y, Minn AJ, Zhang NR. Assessing intratumor heterogeneity and tracking longitudinal and spatial clonal evolutionary history by next-generation sequencing. *Proc Natl Acad Sci U S A*. 2016 Sep 13;113(37):E5528-37; PMID:27573852; PMCID: PMC5027458.
- Kim MM, Penjweini R, Liang X, Zhu TC. Explicit macroscopic singlet oxygen modeling for benzoporphyrin derivative monoacid ring A (BPD)-mediated photodynamic therapy. *J Photochem Photobiol B*. 2016 Sep 23;164:314-22; PMID:27721165.
- Liu TR, Xiao ZW, Xu HN, Long Z, Wei FQ, Zhuang SM, Sun XM, Xie LE, Mu JS, Yang AK, Zhang GP, Fan Y. Treatment and Prognosis of Anaplastic Thyroid Carcinoma: A Clinical Study of 50 Cases. *PLoS One*. 2016;11(10):e0164840; PMID:27760217.
- Ojerholm E, Simone CB 2nd. Radiotherapy for brain metastases: quo vadis? *Ann Palliat Med*. 2016;5(4):322-324.
- Ojerholm E, Smith A, Hwang A, Baumann BC, Tucker KN, Lerner SP, Mamtani R, Boursi B, Christodouleas JP. Neutrophil-to-lymphocyte ratio as a bladder cancer biomarker: assessing prognostic and predictive value in SWOG 8710. *Cancer* – accepted, in press.
- Ojerholm E, Simone CB 2nd. Radiotherapy for brain metastases: quo vadis? *Annals of Palliative Medicine* – accepted, in press.
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- Schapira MM, Aggarwal C, Akers S, Aysola J, Imbert D, Langer C, Simone CB 2nd, Strittmatter E, Vachani A, Fraenkel L. How Patients View Lung Cancer Screening: The Role of Uncertainty in Medical Decision Making. *Ann Am Thorac Soc*. 2016 Sep 27 [Epub].

- Verma V, Burt L, Gimotty PA, Ojerholm E. Contemporary trends in radiation oncology resident research. *International Journal of Radiation Oncology, Biology, Physics* 96(4):915-918, 2016
- Verma V, Shostrom VK, Kumar SS, Zhen W, Hallemeier CL, Braunstein SE, Holland J, Harkenrider MM, S Iskhanian A, Neboori HJ, Jabbour SK, Attia A, Lee P, Alite F, Walker JM, Stahl JM, Wang K, Bingham BS, Hadzitheodorou C, Decker RH, McGarry RC, Simone CB 2nd. Multi-institutional experience of stereotactic body radiotherapy for large (≥ 5 centimeters) non-small cell lung tumors. *Cancer*. 2016 Oct 14 [Epub].
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