

THE
University of Vermont
C A N C E R C E N T E R

The eALERT is an internal newsletter sent semi-monthly.
Please send submissions for the eALERT to [Sarah Keblin](#) by 4 PM Wednesday for
submission in the current issue.

July 21, 2016

Commission on Cancer Call for Data Base Use Applications

UVM College of Medicine Educator Forum

Komen Vermont Race for the Cure: July 23

New Online Art Gallery Launched at UVM Medical Center

South Burlington Fifth Grade Donates to UVM Cancer Center

Tip for Publication and Grant Abstracts!

UVM Cancer Center in the NEWS

Publications and Announcements

Funding Opportunities-NEW LISTINGS

Ongoing Events

Event Spotlight

Thursday, July 28, 2016

Special Biochemistry/UVM
Cancer Center Seminar:

"Tumor Suppressor Genes of Common Fragile Sites: Active Players in the DNA Damage Response and Tumorigenesis"

featuring
Rami Aqeilan, PhD
Hebrew University-
Hadassah Medical School

HSRF 400
12:15 PM

Events Calendar

July 2016

*National Cancer Survivors Month
National Men's Health Week*

23 [Komen VT Race For the Cure](#); Manchester, VT.

**28 Biochemistry/UVM
Cancer Center Special
Seminar**, featuring visiting
professor, Rami Aqeilan, PhD,
Milton Winograd Chair in Cancer
Research, Hebrew University-
Hadassah Medical School:
"Tumor Suppressor Genes of
Common Fragile Sites: Active

Commission on Cancer National Cancer Data Base Call for Applications

The Commission on Cancer has announced that the Participant User File (PUF) application for its National Cancer Data Base (NCDB) will open July 25, 2016. The NCDB PUF is a Health Insurance Portability and Accountability Act (HIPAA) compliant data file containing cases submitted to the Commission on Cancer's (CoC) NCDB and complies with the terms of the Business Associate Agreement between the American College of Surgeons and cancer programs accredited by the CoC; i.e., no patients or facilities can be identified.

The PUF is designed to provide investigators at CoC-accredited cancer programs with a data resource they can use to review and advance the quality of care delivered to cancer patients through analyses of cases reported to the NCDB.

For more information [click here](#).

For internal questions, please contact [Katie Michaud](#).

UVM College of Medicine Educator Development Forum



The Teaching Academy at the UVM College of Medicine is sponsoring a new Educator Development Program for faculty who seek additional preparation for teaching across the medical education continuum. Participation in the program will also include mentorship for a scholarly project in education suitable for presentation and publication.

The program consists of interactive, seminar-style sessions and readings. A flipped classroom approach will be used, i.e., materials will be available in advance of each session and participants will be expected to draw upon the materials during the sessions. Participants will also have the opportunity to observe teaching sessions and receive feedback on their own teaching.

Players in the DNA Damage Response and Tumorigenesis"; HSRF 400, 12:15 PM

August 2016

6 Park Place Tavern Golf Tournament to Benefit the UVM Cancer Center.

7 Annual Dragonboat Festival; UVM Cancer Center team competing!

13 Sugarbush Polo Club Fundraiser to Benefit the UVM Cancer Center; 926 Shelburne-Hinesburg Road; for more information contact sugarbushpoloclub@gmail.com.

15 Paintfest, hosted by the Foundation for Hospital Art; 10 AM to 12 PM, Davis Auditorium Hallway. To participate, [click here](#).

29 Keegan Bradley Charity Golf Event to Benefit the UVM Cancer Center, Woodstock, VT. For more information, contact [Manon O'Connor](#).

September 2016

*National Cancer Survivors Month
National Men's Health Week*

13-14: Waldron Lecture featuring Maureen Connor, RN, MPH "Oncology Nursing and Patient and Family-Centered Care." **Lecture from 4-5 PM on Sept. 13, Sullivan Classroom (Med Ed 200) and 7:30-9 AM panel presentation**

Applications are due July 31, 2016. To view the application and program description, [click here](#).

Komen Vermont Race for the Cure

The *Komen Vermont Race for the Cure* will take place on Saturday, July 23 at Riley Rink in Manchester, NH. The race's impact is unique to our region. As described by Komen, "...100% of the net proceeds are allocated to [the] mission. 75 percent of the net income stays in Vermont and New Hampshire to help fund local programs offering breast health education and breast cancer screening and treatment. The remaining 25 percent of the net income supports the Susan G. Komen® Grants Program."

The UVM Cancer Center is grateful to have been and continue to be beneficiaries of both local and national Komen funding. Please consider joining the UVM Cancer Center in Southern Vermont on the 23rd to help support Komen's fundraising efforts!

For more information:
[Komen Vermont Race](#)

Drawing Inspiration Online Art Gallery Launched at UVM Medical Center

Thanks to the efforts and generosity of a grateful patient family at the UVM Cancer Center, all patients and visitors to the UVM Medical Center can now access an extensive collection of Vermont artwork by visiting a [virtual gallery](#). The project was created in collaboration with Burlington City Arts. Read more about the donor and the inspiration for this project [here](#).



Art by Douglas Biklen

South Burlington Fifth Graders Donate School Store Earnings to UVM Cancer Center

on September 14th, Sullivan Classroom.

October 2016

*National Cancer Survivors Month
National Men's Health Week*

7 UVM Cancer Center's Women's Health and Cancer Conference (formerly Breast Cancer Conference)--SAVE THE DATE!!!

November 2016

National Lung and Pancreatic Cancers Month

J. Walter Juckett Lecture TBD

January 2017

National Cervical Health Awareness Month

TBD UVM Cancer Center Member Retreat

May 2017

*Cancer Research Month
National Skin Cancer Detection and Prevention Month
Bladder Cancer Awareness Month*

15 SAVE THE DATE: 2017 Northeast Regional Genome Instability and Cancer Meeting; hosted by Dartmouth.

The UVM Cancer Center received a gift from the South Burlington Rick Marcotte Central School fifth grade class representing profits from the school store they manage. The project is meant to teach students management skills and the value of giving back to the community.

Thank you to Mrs. Cooper and her very thoughtful fifth grade class!

Important Tip for Tracking Publications and Grants

The UVM Cancer Center attempts to track all publications and grants associated with work by its members. It is extremely helpful in qualifying a publication or grant as cancer-relevant if researchers have the word "cancer" appear somewhere in the publication or grant abstract.

If research is not cancer-focused, but is cancer relevant the Cancer Center would like to be able to include this work in its overall metrics for members. Including "cancer" in an abstract will prompt capture of the publication and/or grant and ensure it is not missed!

For more information about tracking of publications and grants please contact [Kate Webster](#).

UVM Cancer Center in the NEWS

Research led by **Brian Sprague, PhD**, in collaboration with **Sally Herschorn, MD, Donald Weaver, MD** and national colleagues, was published in the *Annals of Internal Medicine* on July 19, 2016. National news highlighted the research, which found variation in the assessment of breast density by radiologists. Coverage included articles with [NPR](#), [HealthDay News](#) and [Reuters](#).

Sally Herschorn and Donald Weaver also appeared live on local news (WCAX Channel 3) to discuss the research.

Publications and Announcements

Please send announcements and publication notices to [Sarah Keblin](#) for inclusion in the eALERT and other promotional material

Announcements:



The National Institutes of Health Center for Scientific Review has announced that UVM Cancer Center member **Mercedes Rincon, Ph.D.**, has been appointed chairperson of the Cellular and Molecular Immunology-A Study Section, Center for

Scientific Review, the portal for National Institutes of Health (NIH) grant applications. Read more [here!](#)

Publications:

[Multi-gene panel testing for hereditary cancer susceptibility in a rural Familial Cancer Program.](#) Hermel DJ, **McKinnon WC, Wood ME, Greenblatt MS.** Fam Cancer. 2016 Jul 11. [Epub ahead of print] PMID: 27401692.

[Histologic Features associated with Diagnostic Agreement in Atypical Ductal Hyperplasia of the Breast: Illustrative Cases from the B-Path Study.](#) Allison KH, Rendi MH, Peacock S, Morgan T, Elmore JG, **Weaver DL.** Histopathology. 2016 Jul 11. doi: 10.1111/his.13035. [Epub ahead of print] PMID: 27398812.

[AMPK activity regulates trafficking of mitochondria to the leading edge during cell migration and matrix invasion.](#) Cunniff B, McKenzie AJ, **Heintz NH, Howe AK.** Mol Biol Cell. 2016 Jul 6. pii: mbc.E16-05-0286. [Epub ahead of print] PMID: 27385336.

[Universal Versus Targeted Screening for Lynch Syndrome: Comparing Ascertainment and Costs Based on Clinical Experience.](#) **Erten MZ,** Fernandez LP, Ng HK, **McKinnon WC,** Heald B, **Koliba CJ, Greenblatt MS.** Dig Dis Sci. 2016 Jul 6. [Epub ahead of print] PMID: 27384051.

[In Focus in HCB](#) (editorial) **ITaatjes DJ,** Roth J. Histochem Cell Biol. 2016 Jul 6. [Epub ahead of print] No abstract available. PMID: 27381063.

[Pupil diameter changes reflect difficulty and diagnostic accuracy during medical image interpretation.](#) Brunyé TT, Eddy MD, Mercan E, Allison KH, **Weaver DL**, Elmore JG. BMC Med Inform Decis Mak. 2016 Jul 5; 16(1): 77. doi: 10.1186/s12911-016-0322-3. PMID: 27378371.

[Genetic risk factors for venous thrombosis in the elderly in a case-control study.](#) Karasu A, Engbers MJ, **Cushman M**, Rosendaal FR, van Hylckama Vlieg A. J Thromb Haemost. 2016 Jul 5. doi: 10.1111/jth.13409. [Epub ahead of print] PMID: 27377285.

[Cognitive and Affective Representations of Active Surveillance as a Treatment Option for Low-Risk Prostate Cancer.](#) Lyons KD, Li HH, Mader EM, Stewart TM, Morley CP, Formica MK, **Perrapato SD**, Seigne JD, Hyams ES, **Irwin BH**, Mosher T, Hegel MT. Am J Mens Health. 2016 Jun 29. pii: 1557988316657041. [Epub ahead of print] PMID: 27365211.

[Colonic inflammation accompanies an increase of \$\beta\$ -catenin signaling and Lachnospiraceae/Streptococcaceae bacteria in the hind gut of high-fat diet-fed mice.](#) Zeng H, Ishaq SL, **Zhao FQ**, Wright AG. J Nutr Biochem. 2016 Jun 19; 35:30-36. doi: 10.1016/j.jnutbio.2016.05.015. [Epub ahead of print] PMID: 27362974.

[Large-Scale Exome-wide Association Analysis Identifies Loci for White Blood Cell Traits and Pleiotropy with Immune-Mediated Diseases.](#) Tajuddin SM, Schick UM, Eicher JD, Chami N, Giri A, Brody JA, Hill WD, Kacprowski T, Li J, Lyytikäinen LP, Manichaikul A, Mihailov E, O'Donoghue ML, Pankratz N, Pazoki R, Polfus LM, Smith AV, Schurmann C, Vacchi-Suzzi C, Waterworth DM, Evangelou E, Yanek LR, Burt A, Chen MH, van Rooij FJ, Floyd JS, Greinacher A, Harris TB, Highland HM, Lange LA, Liu Y, Mägi R, Nalls MA, Mathias RA, Nickerson DA, Nikus K, Starr JM, Tardif JC, Tzoulaki I, Velez Edwards DR, Wallentin L, Bartz TM, Becker LC, Denny JC, Raffield LM, Rioux JD, Friedrich N, Fornage M, Gao H, Hirschhorn JN, Liewald DC, Rich SS, Uitterlinden A, Bastarache L, Becker DM, Boerwinkle E, de Denus S, Bottinger EP, Hayward C, Hofman A, Homuth G, Lange E, Launer LJ, Lehtimäki T, Lu Y, Metspalu A, O'Donnell CJ, Quarells RC, Richard M, Torstenson ES, Taylor KD, Vergnaud AC, Zonderman AB, Crosslin DR, Deary IJ, Dörr M, Elliott P, Evans MK, Gudnason V, Kähönen M, Psaty BM, Rotter JI, Slater AJ, Dehghan A, White HD, Ganesh SK, Loos RJ, Esko T, Faraday N, Wilson JG, **Cushman M**, Johnson AD, Edwards TL, **Zakai NA**, Lettre G, Reiner AP, Auer PL. Am J Hum Genet. 2016 Jul

7;99(1):22-39. doi: 10.1016/j.ajhg.2016.05.003. Epub 2016 Jun 23. PMID: 27346689.

[A single-headed fission yeast myosin V transports actin in a tropomyosin-dependent manner.](#) Tang Q, Billington N, Kremmentsova EB, Bookwalter CS, **Lord M**, Trybus KM. J Cell Biol. 2016 Jul 18;214(2):167-79. doi: 10.1083/jcb.201511102. Epub 2016 Jul 11. PMID: 27432898.

[Necroptosis of Dendritic Cells Promotes Activation of \$\alpha\$ T Cells.](#) Collins CC, Bashant K, Erikson C, Thwe PM, Fortner KA, Wang H, Morita CT, **Budd RC**. J Innate Immun. 2016 Jul 19. [Epub ahead of print] PMID: 27431410.

[Effects of an acidic environment on coagulation dynamics.](#) Gissel M, **Brummel-Ziedins KE**, **Butenas S**, Pusateri AE, Mann KG, Orfeo T. J Thromb Haemost. 2016 Jul 19. doi: 10.1111/jth.13418. [Epub ahead of print] PMID: 27431334.

[Multidisciplinary Thyroid Biopsy Clinic at the University of Vermont-A Comprehensive Educational Experience.](#) Gilbert MP, Alvi MM, Schnure JJ, **Nathan MH**, DeSarno MJ, **Anderson SR**. J Grad Med Educ. 2016 Jul;8(3):448-9. doi: 10.4300/JGME-D-15-00597.1. No abstract available. PMID: 27413458.

[Lung Cancer Screening.](#) **Garrison GW**. Cancer Cytopathol. 2016 Jul 14. doi: 10.1002/cncy.21751. [Epub ahead of print] No abstract available. PMID: 27412637.

[Variation in Mammographic Breast Density Assessments Among Radiologists in Clinical Practice: A Multicenter Observational Study.](#) **Sprague BL**, Conant EF, Onega T, Garcia MP, Beaber EF, **Herschorn SD**, Lehman CD, Tosteson AN, Lacson R, Schnall MD, Kontos D, Haas JS, **Weaver DL**, Barlow WE; PROSPR Consortium. Ann Intern Med. 2016 Jul 19. doi: 10.7326/M15-2934. [Epub ahead of print] PMID: 27428568.

Funding Opportunities

Green indicates NEW

An extensive list of upcoming, extramural funding opportunities can now be found on the [UVM Cancer Center website](#). This list will be updated monthly.

Funding Opportunity Highlights:

- The [Parker B. Francis Fellowship in Pulmonary Research](#) supports the development of outstanding investigators embarking on careers in pulmonary, critical care and sleep medicine by funding them as they make the transition to independent, self-supporting, faculty members. The amount awarded to the sponsoring institution is \$156,000 over three years. Application deadline is October 17, 2016. This is a limited competition with no more than two applicants per department permitted annually. If interested in applying please contact edward.north@uvm.edu by **September 1**.

- **The Leukemia and Lymphoma Society** offers two Fellowship programs with **September 1** deadlines for mandatory Letters of Intent:

[Career Development Program - Special Fellow](#) award supports doctoral-level researchers with at least 2 but less than 4.5 years of postdoctoral experience who are sponsored by a laboratory head who has active NIH, ACS, or similar competitive, peer-reviewed support. The award is intended to allow the Fellow to transition to independent research. The funding level is \$67,000 per year for two or three years.

[Career Development Program - Fellow](#) award is similar in most respects, but offers a three-year award period at a maximum of \$60,000 per year.

- The American Association for Cancer Research announces [The AACR NextGen Grants for Transformative Cancer Research](#), a new initiative intended to stimulate highly innovative research from young investigators. This grant mechanism is intended to promote and support creative, paradigm-shifting cancer research that otherwise may not be funded through existing channels. Funded projects will have the potential to lead to major breakthroughs in the field by catalyzing significant scientific discoveries while helping talented young investigators gain scientific independence. Eligibility is limited to junior faculty who have held a full-time, tenure-

track appointment as an assistant professor for no more than three years. The grants provide \$450,000 over three years for expenses related to the research project, which may include salary and benefits of the grant recipient, postdoctoral or clinical research fellows, graduate students (including tuition costs), and research assistants, research/laboratory supplies, equipment, travel applicable to the research project, publication charges for manuscripts that pertain directly to the funded project, other research expenses, and indirect costs. A mandatory electronic Letter of Intent is due by noon, U.S. Eastern Time on **September 12, 2016**.

A full list of all organizations designated by the NCI as providing peer-reviewed funding can be found [here](#).

Ongoing Events

Cancer Biology and Technology Seminar Series (an integrated part of the Biochemistry Seminar Series)
Second Friday of each month at Noon, Given C443.

UVM Cancer Center Grand Rounds
1st, 2nd, 3rd, 5th
Tuesday 8-9am, MedEd 300

Please refer to the UVM Cancer Center Website for information regarding regularly scheduled tumor board meetings. Information can be found [here](#).

UVM Cancer Center Leadership:
Gary S. Stein, PhD, Director
Claire F. Verschraegen, MD, Deputy Director
Kate Webster, CRA, Research Center Administrator
Sarah Koblin, Communications Manager