

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.

*Friday, March 25, 2016*

**Three Projects Awarded UVM ACS IRG Funding**

**UVM Cancer Center Joint Research Program Meeting to Feature Juckett Scholar  
Albert van der Vliet, PhD**

**UVM Urology Joins University of Rwanda Live for TDT Meeting**

**Register Now for the 2016 UVM Cancer Center Research Symposium**

**UVM Represents at Vermont Cancer Action Day and Launch of the 2020 State Cancer  
Plan**

**Integrative Health Event on April 2**

**Update Your Professional Photo**

**Mindfulness Class Offered**

**Red Sox Foundation--Your Votes Needed!**

**Publications and Announcements**

**Funding Opportunities- NEW LISTINGS THIS WEEK**

**Ongoing Events**

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## Event Spotlight

**April 2, 2016**

[Expanding Cancer Care:  
Exploring Choices in  
Complimentary and  
Integrative Medicine](#)

**Free Event**  
**Vermont College of Fine  
Arts, Montpelier**

**9 AM to 4 PM**

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## Events Calendar

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### March 2016

*Colorectal Cancer Awareness Month  
National Nutrition Month*

**29 UVM Cancer Center Grand  
Rounds/Hematology Problems  
Conference;** featuring Michael Lewis,  
MD, Director of Flow Cytometry; 8-9  
AM, Reardon Classroom (Med Ed  
300).

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### April 2016

*National Cancer Control Month*

**2 [Vermont Cancer Survivor  
Network \(VCSN\) event: Expanding  
Cancer Care, Exploring Choices in  
Complimentary Integrative  
Medicine](#)**; free public event, 9 AM to  
4 PM; Vermont College of Fine Arts,  
Montpelier, VT.

## Three Research Teams Awarded ACS IRG Funding

The UVM Cancer Center is pleased to announce that three new projects have been competitively awarded funding through the UVM Cancer Center's American Cancer Society Institutional Research Grant (IRG):

"IKAROS regulates higher-order chromatin structure in pre-B ALL"

**Seth Frieze, PhD and Jessica Heath, MD**

"Molecular function of PARP inhibition in glioblastoma"

**Delphine Quenet, PhD and Alissa Thomas, MD**

"Efficacy of A Novel Biofeedback Motivational Intervention for Smoking Cessation"

**Edmund Folefec, MD and Garth Garrison, MD**

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## Joint Research Program Meeting: April 8, 2016

UVM Cancer Center members are invited to a joint research program meeting on Friday, April 8, 2016 from 3 PM to 4:30 PM in the Larner Classroom. The meeting will be hosted by

Molecular Mechanisms of Malignancy and will feature a presentation by UVM Cancer Center

Juckett Scholar **Albert van der Vliet, PhD** on his work "DUOX1 Silencing in Lung Cancer."



Albert van der Vliet, PhD

Research program meetings are an integral component of UVM Cancer Center membership. Attendees will learn about and contribute to opportunities for collaborations, grants and publications as well as seek individual advice from peers on current and future work. Please invite colleagues who are not Cancer Center members to join you.

For more information, please contact MMM program leaders [Marc Greenblatt, MD](#) and [Janet Stein, PhD](#).

Attendance will be taken and refreshments will be served!

**8 UVM Cancer Center Joint Research Program Meeting** hosted by MMM and featuring Juckett Scholar, Albert van der Vliet, PhD presenting an update on his work "DUOX1 Silencing in Lung Cancer;" 3-4:30 PM, Larner Classroom.

**29 [UVM Cancer Center Clinical and Translational Research Symposium:](#)** "Hemostasis, Thrombosis and Cancer;" 7:30 AM to 2 PM; free to attend all or part of the day--[RSVP to Charlie Brooks](#)

**29-1 [Stowe Weekend of Hope](#)**

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### May 2016

*Skin Cancer Detection and Prevention Month and Cancer Research Month*

**3 [Community Medical School](#) featuring Ted James, MD:** "Mammography and Breast Cancer Screening: The New Guidelines"; 6 PM Carpenter Auditorium.

**9 UVM Cancer Center hosts Northeast Genomic Instability Meeting.** More info. to come!

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### June 2016

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

**7 [Community Medical School](#) featuring Karen Lounsbury, PhD and Wolfgang Dostmann, PhD:** "Examining the Science of Medical Cannabis"; 6 PM Carpenter Auditorium.

## Genitourinary TDT Goes International

The UVM Genitourinary Cancer Transdisciplinary Team (TDT) Conference on Thursday, March 24, included tele-conferencing with UVM colleague Richard Grunert, MD, and a team from the University of Rwanda College of Medicine and Health Sciences, live from Rwanda.

The agenda included review of genitourinary oncology case reviews and education on treatment guidelines for genitourinary cancers. The goal was to build cultural and educational team experience for both the UVM and University of Rwanda groups, and to add to Rwanda's Urology core curriculum for residents.

Included in the conference were Professor Emile Rwamasirabo, CEO of the King Faisal Hospital Rwanda and chair of the Urology Department at University of Rwanda, along with fellows and residents from his program.



Dr. Richard Grunert (center) with members of the University of Rwanda Urology Team

## UVM Cancer Center Research Symposium and Poster Session

**23 J. Walter Juckett Lecture:  
SAVE THE DATE!**

**24 UVM Cancer Center's  
Men's Health and Cancer  
Conference - SAVE THE DATE!**

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### **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!!!**

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THE UNIVERSITY OF VERMONT CANCER CENTER PRESENTS

**CLINICAL & TRANSLATIONAL RESEARCH SYMPOSIUM**

**Thrombosis, Hemostasis, and Cancer**

**Friday, April 29, 2016 • 8:00 am - 2:00 pm**  
DAVIS AUDITORIUM, UVM MEDICAL CENTER

RSVP to Charles Brooks at (802) 656-2176 or Charles.Brooks@uvm.edu by April 22

THE  
University of Vermont  
CANCER CENTER

www.VermontCancer.org • facebook.com/UVMCancerCenter • twitter@UVMCancerCenter

Registration is open for the UVM Cancer Center's 2016 Clinical and Translational Research Symposium. This year the program, titled "Thrombosis, Hemostasis and Cancer," will bring together experts in the field from UVM and across the country for a day of learning and discussion. The event, taking place on Friday, April 29, 2016, is free to attend and includes a competitive poster session.

*CME credit and nursing contact hours will be available to attendees.*

For more information, to register, or to submit an abstract for the poster session, [click here!](#)

Please contact [Charles Brooks](#) with questions.

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## **Cancer Legislative Action Day**



UVM Cancer Center Representatives on the steps of the Vermont Statehouse

Many UVM Cancer Center representatives attended a day-long Vermonters Taking Action Against Cancer (VTAAC) event to launch the 2016-2020 Vermont State Cancer Plan. The event included recognition on the floor of an active legislative session at the Statehouse and presentations by Speaker Shap Smith, Vermont Commissioner of Health, Harry Chen, MD, and UVM Cancer Center representatives Gary Stein, PhD and Scott Perrapato, DO.

UVM Cancer Center members, faculty and staff have been actively involved in contributing to the State Cancer Plan. They have collaborated, through VTAAC, with partners around the state, including other Commission on Cancer hospitals, community organizations and advocates, and Department of Health leaders.

To read the new State Cancer Plan visit the [Department of Health website](#).

## Exploring Choices in Complementary Integrative Medicine Event: 4/2



**EXPANDING CANCER CARE**  
**Exploring Choices in**  
**Complementary Integrative Medicine**

The Vermont Cancer Survivor Network will host an all-day educational event on Saturday, April 2, 2016

focused on complementary and integrative medicine and cancer care. The event takes place at the Vermont College of Fine Arts in Montpelier and is free and open to the public. Cancer survivors, caregivers, medical professionals and anyone touched by cancer are encouraged to attend. There will be hands-on workshops, lectures, interactive sessions and a resource fair. The goal of the event is to educate Vermonters about the many complementary health resources available to them in our region.

The UVM Cancer Center and UVM Program in Integrative Health are sponsors of the event.

For more information, please visit the event [website](#).

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## UVM Cancer Center Members: Update Your Professional Photo!

All UVM Cancer Center Members are encouraged to get an updated professional photo taken by the UVM College of Medicine's Design and Photography team. If it has been a while, or, if you've never had a professional shot taken, please take the time to email [Sarah Mansfield](#) in Design and Photography who will arrange a convenient time for you to get your photo taken.

It is important that UVM Cancer Center members have a professional photo on file for use in press releases, web spotlights, member directories as well as to help facilitate building collaborations and awareness for the work they do (putting a face with a name is an asset!).

The photo studio is located on the ground floor of the Given Courtyard near the medical student lounge and just left of the Given Bistro. It should take no more than five minutes to do!

Once your photo is taken, please make sure your biography page is updated with the most recent photo.

Again, to arrange a photo, please email [Sarah Mansfield](#) in College of Medicine Design and Photography.

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## Two 8-week Mindfulness Tools for Health and Wellness Classes

Evening Class starts **Tuesday, April 5**

Day Class starts **Friday, April 8**

This 8-week Class Can Help You...

- \* Strengthen your ability to cope with the difficulties of illness
- \* Learn mind and body mindfulness practices to reduce stress and anxiety
- \* Support your own healing journey

Information Session Thursday March 31; 5 - 6:30 p.m.  
McClure Lobby Conference Room - located in the  
Lobby past the Harvest Café

If you are unable to attend an Information Session, you can still register for the class by emailing Roz Grossman, MA at [roz@mindfulstressrelief.net](mailto:roz@mindfulstressrelief.net) or call 802-233-1461.

## Red Sox Fans--VOTE UVM Cancer Center!!

The Boston Red Sox Foundation is promoting the [IMPACT Awards](#) program, which provides Red Sox fans in surrounding New England states with the opportunity to support a local non-profit by casting their votes. Please consider joining us in building support for the UVM Cancer Center through this fun program. We will not only be in the running for a grant--but, it would be a great opportunity to build awareness regionally for the amazing work being done in cancer research, education and patient care, here in Vermont!

Fans must register on the Boston Red Sox fan page in order to vote. To vote for the UVM Cancer Center, or for more information, visit the [IMPACT Awards webpage](#).

Please share with friends and family!

## Publications and Announcements

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

**Announcements and Highlights:**

A paper, by **Brian Sprague, PhD**, titled "Variation in breast cancer risk factor associations by method of detection: results from a series of case-control studies," was recognized by the *American Journal of Epidemiology* as "one of the top ten research articles in 2015."

### **Publications:**

[Skeletal muscle fiber size and fiber type distribution in human cancer: Effects of weight loss and relationship to physical function.](#) **Toth MJ**, Callahan DM, Miller MS, Tourville TW, Hackett SB, Couch ME, **Dittus K**. Clin Nutr. 2016 Mar 8. pii: S0261-5614(16)00087-X. doi: 10.1016/j.clnu.2016.02.016. [Epub ahead of print] PMID: 27010836.

[Aminoacyl-Transfer RNA Synthetases: Connecting Nutrient Status to Angiogenesis Through the Unfolded Protein Response.](#) **Lounsbury KM, Francklyn CS**. Arterioscler Thromb Vasc Biol. 2016 Apr; 36(4):582-3. doi: 10.1161/ATVBAHA.116.307193. No abstract available. PMID: 27010025.

[Low-dose aspirin, non-steroidal anti-inflammatory drugs, selective COX-2 inhibitors and breast cancer recurrence.](#) Cronin-Fenton DP, Heide-Jørgensen U, **Ahern TP**, Lash TL, Christiansen P, Ejlersen B, Sørensen HT. Epidemiology. 2016 Mar 22. [Epub ahead of print] PMID: 27007644.

[Effect of Sulindac and Erlotinib vs Placebo on Duodenal Neoplasia in Familial Adenomatous Polyposis: A Randomized Clinical Trial.](#) Samadder NJ, Neklason DW, Boucher KM, Byrne KR, Kanth P, Samowitz W, Jones D, Tavtigian SV, Done MW, Berry T, Jasperson K, Pappas L, Smith L, Sample D, Davis R, Topham MK, Lynch P, Strait E, **McKinnon W**, Burt RW, Kuwada SK. JAMA. 2016 Mar 22-29; 315(12):1266-75. doi: 10.1001/jama.2016.2522. PMID: 27002448.

[Novel Autophosphorylation Sites of Src Family Kinases Regulate Kinase Activity and SH2 Domain Binding Capacity.](#) Weir ME, Mann JE, Corwin T, Fulton ZW, Hao JM, Maniscalco JF, Kenney MC, Roman Roque KM, Chapdelaine EF, Stelzl U, **Deming PB**, Ballif BA, Hinkle KL. FEBS Lett. 2016 Mar 22. doi: 10.1002/1873-3468.12144. [Epub ahead of print] PMID: 27001024.

[Association between inflammation biomarkers, anatomic extent of deep venous thrombosis, and venous symptoms after deep venous thrombosis.](#) Rabinovich A, Cohen JM, **Cushman M**, Kahn SR; BioSOX



Investigators. *J Vasc Surg Venous Lymphat Disord*. 2015 Oct; 3(4): 347-353.e1. doi: 10.1016/j.jvsv.2015.04.005. Epub 2015 Aug 1. PMID: 26992609.

[Dissection of Individual Prostate Lobes in Mouse Models of Prostate Cancer to Obtain High Quality RNA.](#)

Zingiryan A, **Farina NH**, Finstad KH, **Stein JL**, Lian JB, **Stein GS**. *J Cell Physiol*. 2016 Mar 18. doi: 10.1002/jcp.25384. [Epub ahead of print] PMID: 26992144.

[Reply to M.C. Chamberlain and T.J. Kruser.](#)

**Verschraegen CF**, Thomas A, Vinh-Hung V. *J Clin Oncol*. 2016 Mar 14. pii: JCO666248. [Epub ahead of print] No abstract available. PMID: 26976409.

[Patient and genetic counselor perceptions of in-person versus telephone genetic counseling for hereditary breast/ovarian cancer.](#)

-Jacobs AS, Schwartz MD, Valdimarsdottir H, Nusbaum RH, Hooker GW, DeMarco TA, Heinzmann JE, **McKinnon W**, McCormick SR, Davis C, Forman AD, Lebensohn AP, Dalton E, Tully DM, Graves KD, Similuk M, Kelly S, Peshkin BN. *-Fam Cancer*. 2016 Mar 11. [Epub ahead of print] - PMID: 26969308.

[Protection of Bovine Mammary Epithelial Cells from Hydrogen Peroxide-Induced Oxidative Cell Damage by Resveratrol.](#)

Jin X, Wang K, Liu H, Hu F, **Zhao F**, Liu J. *Oxid Med Cell Longev*. 2016;2016:2572175. doi: 10.1155/2016/2572175. Epub 2015 Dec 28. PMID: 26962394.

[Localization of Diagnostically Relevant Regions of Interest in Whole Slide Images: a Comparative Study.](#)

Mercan E, Aksoy S, Shapiro LG, **Weaver DL**, Brunyé TT, Elmore JG. *J Digit Imaging*. 2016 Mar 9. [Epub ahead of print] PMID: 26961982.

[Decreased Laminin Expression by Human Lung Epithelial Cells and Fibroblasts Cultured in Acellular Lung Scaffolds from Aged Mice.](#)

Godin LM, Sandri BJ, Wagner DE, Meyer CM, Price AP, Akinola I, **Weiss DJ**, Panoskaltsis-Mortari A. *PLoS One*. 2016 Mar 8; 11(3):e0150966. doi: 10.1371/journal.pone.0150966. eCollection 2016. PMID: 26954258.

**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, however highlighted opportunities from this larger list will still appear in the eALERT. Please send funding opportunities you'd like to add to the list to [Ed North](#).

Some upcoming funding opportunity highlights:

- [Beckman Foundation Scholars Program](#): UVM has been selected to put forth one application, funding to stimulate research activities conducted by exceptionally talented, full-time undergraduate students; activities are to be centered in either chemistry, biochemistry, the biological and medical sciences or some interdisciplinary combination of these subjects; contact [Hilda Alajajian](#) for details; **letters of interest due to UVM by March 28, 2016 at 5 PM**, through the [NEW InfoReady portal](#).
- [Bayer Grants for Targets](#) ; encouraging innovation and translation of ideas from basic research into novel drugs; **deadline is March 31, 2016**.
- **NIH IDeA co-funding initiative**: invites previously submitted by not awarded R01 and R15 applications submitted to any NIH institute or center; NIGMS will co-fund up to \$320,000 for each of two consecutive years; **deadline is April 1, 2016**. For more information contact [Dr. Maria Teresa Canto](#) at the NIH. For eligible applications, you must contact the assigned program officer.
- [Keck Foundation Research Program \(UVM internal call\)](#); grants range from \$500,000 to \$5 million; **one page concept papers due to Richard Galbraith by April 8, 2016**.
- [UVM Engaged Practices Innovation Grant Program](#); seed grants from \$5,000 to \$20,000 to stimulate projects that increase student engagement; **deadline is April 15, 2016**.
- [Multiple Myeloma Research Fellow Award](#); **deadline is April 26, 2016**.
- [National Academies of Sciences, Engineering and Medicine NRC Research Associateship Programs](#); **varying 2016 deadlines (May 1, August 1, and November 1)**.
- [Alliance Cancer Control Program AND Junior Faculty Awards](#); **deadline for concept papers is June 1, 2016**.
- [NCI U01 Grant funding: Imaging and Biomarkers for Early Detection of Aggressive Cancer \(U01\)](#); **open date is June 11, 2016, LOI due 30 days**

prior to deadlines (which vary).

[UVM Cancer Center Research Grants](#)

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, Cancer Service Line Director

Kate Webster, CRA, Research Center Administrator

Sarah Keblin, Communications Manager