

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.

*February 17, 2017*

**Research Mini-Symposium: Cancer Research Showcase**

**RESCHEDULED: NCI Director to present Juckett Lecture on May 12**

**New Location for UVM Cancer Center Administration**

**UVM Offers Grant Writing Seminar Series**

**TDT Meeting Schedules Available Online**

**Rally Against Cancer Games**

**Evening Fundraiser for Research and Hope Lodge: SAVE THE DATE**

**Publications and Announcements**

**Funding Opportunities**

**Ongoing Events**

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## Event Spotlight

**April 7, 2017**

**UVM Cancer Center  
Research Mini-  
Symposium:  
Interactive Cancer  
Research Showcase**

**8 AM to 12 PM  
Larner Classroom  
(near Dana Medical  
Library)**

**CALL FOR  
PRESENTATIONS!**

Cancer Center members interested in presenting a short talk on their ongoing cancer research project should send abstracts to [Jacqueline Lawler](#) by **MARCH 1, 2017** for consideration.

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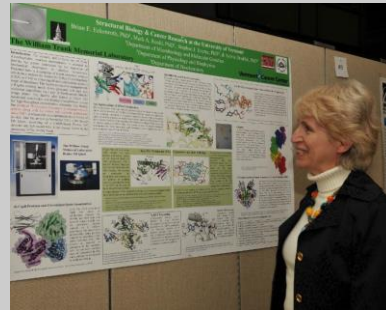
## Events Calendar

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**February 2017**  
*National Cancer  
Prevention Month*

## Cancer Research Mini Symposium: April 7, 2017

The UVM  
Cancer  
Center  
will host  
a mini  
research



symposium on **Friday, April 7** from 8 AM to noon in the Larner Classroom of the Larner College of Medicine. The event will feature an interactive cancer research showcase with opportunities to engage with colleagues around current and ongoing research.

**CALL FOR PRESENTATIONS!** There will be multiple short presentations as well as poster exhibition opportunities for Cancer Center members to share their research and to engage with colleagues for feedback and collaboration. Persons interested in being considered for short talks or poster presentations should send a short abstract to Jacqueline Lawler by **March 1, 2017.**

Questions? Please contact [Jacqueline Lawler](#).

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**NEW DATE! Director of  
NCI to present**

**17 UVM Rally Against Cancer: Women's Hockey**, 7 PM vs. Merrimack; \$2 admission if you wear pink! Come help honor oncology nurses at this last winter Rally game.

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### **April 2017**

*National Cancer Control Month  
Oral, Head and Neck Cancer  
Awareness Month*

**7 UVM Cancer Center Research Mini Symposium: Cancer Research Showcase**; 7:30 AM breakfast, 8 AM - 12 PM event; Larner Classroom (near Dana Medical Library). OPEN CALL for presentations--contact [Jacqueline Lawler](#) for more information.

**7 Community Fundraising Event** to benefit the UVM Cancer Center: *Spring into Summer*; MORE INFORMATION TO COME.

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### **May 2017**

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

**5-7 [Stowe Weekend of Hope](#)**

**12 J. Walter Juckett Lecture featuring acting NCI Director Douglas Lowy, MD**; 4-5 PM,

## **Juckett Lecture: May 12, 2016**



Douglas Lowy, MD, Acting Director of the National Cancer Institute

Acting director of the National Cancer Institute (NCI), Douglas R. Lowy, MD, will be presenting a J. Walter Juckett Distinguished Lecture on **Friday, May 12, 2017 from 4-5 PM (rescheduled from February 6)** in Davis Auditorium followed by a reception. Lowy will be at UVM to speak about his decades-long research on the papillomavirus with a talk titled, "First and Second Generation HPV Vaccines." To learn more about Lowy and his research, [click here](#).

Please be sure to save-the-date for this special visit!

Questions? Please email [Jacqueline Lawler](#).

## **UVM Cancer Center Administration Moves to HSRF**

In order to consolidate administration and research support, and to build capabilities to support and expand

Davis Auditorium (space will be limited), followed by a reception.

**15 SAVE THE DATE: 2017 Northeast Regional Genome Instability and Cancer Meeting;** hosted by Dartmouth.  
Questions: [Arminja.N.Kettenbach@dartmouth.edu](mailto:Arminja.N.Kettenbach@dartmouth.edu)

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### June 2017

*National Cancer Survivor's Day  
(June 4)*

**24 Community Fundraising Event to benefit cancer research at the UVM Cancer Center AND Hope Lodge;** 6-11 PM, Sheraton, Burlington; for more information, please contact [Manon O'Connor](#).

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### July 2017

*UV Safety Month*

**16-19 Molecular Therapeutics of Cancer Research Conference;** sponsored by UVM Cancer Center, Norris Cotton Cancer Center and the Cancer Molecular Therapeutics Research Association; **Burlington, VT.** [Register here.](#)

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### October 2017

*Breast cancer awareness month*

clinical cancer research at the UVM Cancer Center, some staff have moved from the Given Courtyard to the Health Science Research Facility (HSRF). You may now find Kate Webster, Sarah Keblin, Steve Renaud, Ed North, Jacqueline Lawler and Laura Broome on the third floor of the HSRF--please come by to visit any time!



**New Signage for the Cancer Center on the Third Floor of the HSRF**

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## UVM Grant Writing Seminar Series

The UVM Office of the Vice President for Research will host a brown bag seminar on Thursday, February 23, 2017 from 12 to 1 PM titled "Overall Best Practices for Writing Your Grant Proposal." The seminar is open to UVM students and faculty and no RSVP is required.

From the program announcement: "In this highly competitive funding climate, many meritorious grant proposals are going unfunded. How do you maximize the potential for

*Liver cancer awareness month*

**6 SAVE THE DATE: 20th Annual Women's Health and Cancer Conference**

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**November 2017**

*Lung cancer awareness month  
Pancreatic cancer awareness month*

**3 SAVE THE DATE: 3rd Annual Men's Health and Cancer Conference**

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your grant proposal to "rise to the top"? This seminar will cover a variety of best practices for writing clear and engaging prose, and organizing your proposal to meet the needs of the reviewer."

Questions? Contact [Jeralyn Heraldson, PhD](#), Grant Proposal Manager.

For the full schedule of monthly seminars, [click here](#).

**Transdisciplinary Team (TDT) Meeting Schedules**

Current information about Transdisciplinary Team meetings can now be found online [here](#).

The UVM Cancer Center will send agendas to members, if available, one week ahead of scheduled meetings to facilitate participation by members.



Interdisciplinary Planning for TDTs in 2016

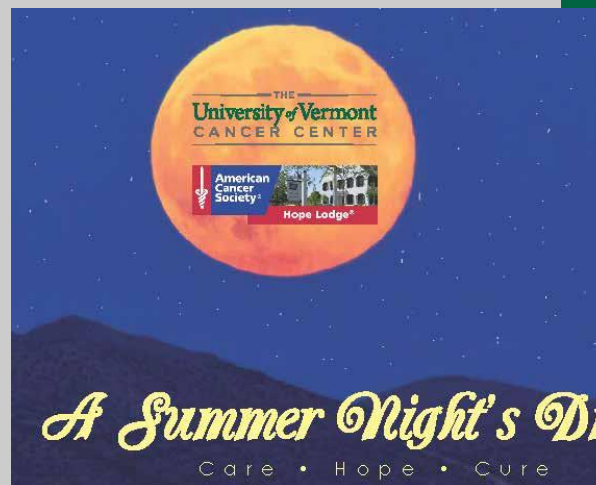
## Winter 2017 Rally Against Cancer

UVM Athletics will host its final winter Rally Against Cancer game at the UVM Women's Hockey game on Friday, February 17 at 7 PM. Oncology nurses will be honored at the game! Tickets are available at the door for \$2 if you wear pink.

## Evening Fundraiser SAVE THE DATE!

SAVE THE DATE! Community organizers will host an evening fundraiser on **Saturday, June 24** to benefit both Hope Lodge and research efforts at the UVM Cancer Center!

For more information, contact [Manon O'Connor](#).



## Publications and Announcements

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

### Publications:

[Value Analysis of Digital Breast Tomosynthesis for Breast Cancer Screening in a US Medicaid Population.](#) Miller JD, Bonafede MM, **Herschorn SD**, Pohlman SK, Troeger KA, Fajardo LL. J Am Coll Radiol. 2017 Jan 26. pii: S1546-1440(16)31328-X. doi: 10.1016/j.jacr.2016.11.019. [Epub ahead of print] PMID: 28139412.

[Profiling of human epigenetic regulators using a semi-automated real-time qPCR platform validated by next generation sequencing.](#) Dudakovic A, Gluscevic M, Paradise CR, Dudakovic H, Khani F, Thaler R, Ahmed FS, Li X, Dietz AB, **Stein GS**, Montecino MA, Deyle DR, Westendorf JJ, van Wijnen AJ. Gene. 2017 Jan 26. pii: S0378-1119(17)30041-0. doi: 10.1016/j.gene.2017.01.019. [Epub ahead of print] PMID: 28132772.

[The role of sulfenic acids in cellular redox signaling: Reconciling chemical kinetics and molecular detection strategies.](#) Heppner DE, **Janssen-Heininger YM, van der Vliet A.** Arch Biochem Biophys. 2017 Jan 23. pii: S0003-9861(16)30581-1. doi: 10.1016/j.abb.2017.01.008. [Epub ahead of print] PMID: 28126370.

[Risk-adjustment methods for all-payer comparative performance reporting in Vermont.](#) Finison K, Mohlman M, **Jones C**, Pinette M, Jorgenson D, Kinner A, Tremblay T, Gottlieb D. BMC Health Serv Res. 2017 Jan 19;17(1):58. doi: 10.1186/s12913-017-2010-0.PMID: 28103923.

[Two Phase 1 dose-escalation studies exploring multiple regimens of litronesib \(LY2523355\), an Eg5 inhibitor, in patients with advanced cancer.](#) Infante JR, Patnaik A, **Verschraegen CF**, Olszanski AJ, Shaheen M, Burris HA, Tolcher AW, Papadopoulos KP, Beeram M, Hynes SM, Leohr J, Lin AB, Li LQ, McGlothlin A, Farrington DL, Westin EH, Cohen RB. Cancer Chemother Pharmacol. 2017 Jan 17. doi: 10.1007/s00280-016-3205-5. [Epub ahead of print] PMID: 28097385.

[Family history of breast cancer, breast density, and breast cancer risk in a U.S. breast cancer screening population.](#) **Ahern TP, Sprague BL**, Bissell MC, Miglioretti DL, Buist DS, Braithwaite D, Kerlikowske K. Cancer Epidemiol Biomarkers Prev. 2017 Jan 17. pii: cebp.0801.2016. doi: 10.1158/1055-9965.EPI-16-0801. [Epub ahead of print] PMID: 28096200.

[Accuracy is in the Eyes of the Pathologist: The Visual Interpretive Process and Diagnostic Accuracy with Digital Whole Slide Images.](#) Brunyé TT, Mercan E, **Weaver DL**, Elmore JG. J Biomed Inform. 2017 Jan 10. pii: S1532-0464(17)30004-7. doi:



10.1016/j.jbi.2017.01.004. [Epub ahead of print] PMID: 28087402.

[The lower alkyl methacrylates: Genotoxic profile of non-carcinogenic compounds.](#)

**Albertini RJ.** mRegul Toxicol Pharmacol. 2017 Jan 11;84:77-93. doi: 10.1016/j.yrtph.2017.01.001. [Epub ahead of print] PMID: 28087335.

[MODERATE-INTENSITY RESISTANCE EXERCISE ALTERS SKELETAL MUSCLE MOLECULAR AND CELLULAR STRUCTURE AND FUNCTION IN INACTIVE, OLDER ADULTS WITH KNEE OSTEOARTHRITIS.](#) Miller MS,

Callahan DM, Tourville TW, Slauterbeck JR, Kaplan A, Fiske BR, Savage PD, Ades PA, Beynnon BD, **Toth MJ.** J Appl Physiol (1985). 2017 Jan 12:jap.00830.2016. doi: 10.1152/jappphysiol.00830.2016.

[Physical Activity and the Hippocampus in Older Adults.](#) **Dumas**

**JA.** Am J Geriatr Psychiatry. 2016 Dec 9. pii: S1064-7481(16)30334-7. doi: 10.1016/j.jagp.2016.12.005. [Epub ahead of print] No abstract available. PMID: 28082017.

[Mantle Cell Lymphoma Presenting as a Subcutaneous Soft Tissue Mass With an Unusual Appearance.](#)

Cherukuri AR, Kalia V, Sturtevant NV, **DeStigter KK.** Ultrasound Q. 2017 Jan 9. doi: 10.1097/RUQ.0000000000000265. [Epub ahead of print] No abstract available. PMID: 28081018.

[Chromatin Dynamics Regulate Mesenchymal Stem Cell Lineage](#)

[Specification and Differentiation to Osteogenesis.](#) Wu H, **Gordon JA**, Whitfield TW, Tai PW, van Wijnen AJ, **Stein JL, Stein GS, Lian JB.** Biochim Biophys Acta. 2017 Jan 8. pii: S1874-9399(17)30008-1. doi: 10.1016/j.bbagr.2017.01.003. [Epub ahead of print] PMID: 28077316.

[Internal mammary sentinel lymph node biopsy in clinical practice.](#) Asadi M, **Krag D.** Int J Surg. 2016 Dec;36(Pt A):332-334. doi: 10.1016/j.ijss.2016.11.034. PMID: 27856352.

[When Clinical Trial Participation Is Not an Option in the Era of Personalized Medicine: The Case of Two Patients.](#) **Verschraegen CF**, Rehman H, Pulluri B, DeKay J, **Barry M, Folefac E, Dittus K, Holmes C, Sprague J, Ades S, Gibson PC.** Oncology. 2017;92(1):55-60. doi: 10.1159/000450712. PMID: 27820931.

## Funding Opportunities

### **FINAL CALLS:**

**University of Vermont [SPARK-VT 2017 Awards](#)**; \$20,000 to \$50,000 for innovative projects and ideas that have a high commercialization potential. Completed PDF applications must be emailed to [sparkvt@uvm.edu](mailto:sparkvt@uvm.edu) **no later than midnight, February 24, 2017**

**American Society of Colon and Rectal Surgeons (ASCRS) [Career Development Award](#)**

; \$150,000 over two years to support the initiation and development of an academic career in colorectal surgery. Intended for the academic investigator demonstrating significant creativity in research relevant to the pathophysiology or management of diseases of the small bowel, colon, rectum, or anus.

**Deadline March 1, 2017.**

**[Melanoma Research Foundation](#)**

- **[Career Development Award \(CDA\)](#)**; \$100,000 over two years to support researchers who are beginning a research career focused on melanoma and have not yet established strong federal funding for their research.  
**Deadline March 1, 2017.**
- **[Established Investigator Awards \(EIA\)](#)**; \$200,000 over two years to support established melanoma researchers, or senior researchers working in closely related fields who wish to move into melanoma research.  
**Deadline March 1, 2017.**

**OTHER UPCOMING DEADLINES:**

**University of Vermont**  
**[The Frymoyer Scholars Program](#)**;  
\$50,000 over two years to support physicians and nurses actively engaged in teaching UVM medical and nursing students. Monies may be distributed among costs for salary support and resources to accomplish

a proposed project. Proposals due by March 17, 2017

**Larner College of Medicine at the University of Vermont [Health Services Research Pilot Grant Awards](#)**; \$50,000 over one year (with \$25,000 match required); supports research focused on healthcare delivery models, chronic disease prevention and management, organization and financing of healthcare, integrated healthcare information systems, health policies or other health services domains. **Deadline May 1, 2017.**

**[Office of Research Infrastructure Programs/NIH/DHHS Instrumentation Grants](#)**

- **PAR-17-074 [Shared Instrumentation Grant \(SIG\) Program \(S10\)](#)**; up to \$600,000 for the purchase or upgrade a single item of expensive, specialized, commercially available instruments or integrated systems that costs at least \$50,000. Supported instrumentation includes (but is not limited to) X-ray diffractometers, mass and nuclear magnetic resonance (NMR) spectrometers, DNA and protein sequencers, biosensors, electron and light microscopes, cell sorters, and biomedical imagers. **Deadline May 31, 2017.**
- **PAR-17-075 [Shared Instrumentation for Animal Research \(SIFAR\) Grant Program \(S10\)](#)**; up to \$750,000 to purchase/upgrade scientific

instruments necessary to carry out animal experiments in all areas of biomedical research supported by NIH. Applicants may request clusters of commercially available instruments configured as specialized integrated systems or as series of instruments; see listing for more details. **Deadline May 31, 2017.**

- **PAR-17-076 [High-End Instrumentation \(HEI\) Grant Program \(S10\)](#)**; up to \$2,000,000 for the purchase or upgrade a single item of expensive, specialized, commercially available instruments or integrated systems that costs at least \$600,001. Supported instrumentation includes (but is not limited to) X-ray diffraction systems, nuclear magnetic resonance (NMR) and mass spectrometers, DNA and protein sequencers, biosensors, electron and confocal microscopes, cell-sorters, and biomedical imagers. **Deadline May 31, 2017.**

**[Honorable Tina Brozman Foundation](#)** ("Tina's Wish") **[2018-2020 Consortium Grants](#)**; up to \$900,000 over three-years; supports multi-institutional collaborative research in the early detection or prevention of ovarian cancer. **Letters of intent due April 3, 2017**; full proposals (by invitation) due July 1, 2017.

**National Cancer Institute/NIH/DHHS PA-17-110 [Reducing Overscreening for](#)**

[Breast, Cervical, and Colorectal Cancers among Older Adults \(R01\) and R21](#), funding research on interventions, based in healthcare settings, designed to reduce overscreening.

**Next Deadline: June 5, 2017**

**(R01)** and **June 19, 2017 (R21)** with subsequent deadlines through October 2019.

[Pardee \(Elsa U.\) Foundation Research Grants](#); one year awards of up to \$200,000 directed toward identifying new treatments or cures for cancer by supporting new cancer researchers or new cancer approaches by established cancer researchers. Next deadline **April 30, 2017**.

### **NEW FUNDING OPPORTUNITIES:**

**National Cancer Institute/NIH/DHHS PA-17-167**  
(reissue of PAR-14-166)

[Early Phase Clinical Trials in Imaging and Image-Guided Interventions \(R01\)](#)

;up to \$500,000 over three years for preliminary evaluation of the safety and efficacy of imaging agents, assessment of imaging systems, image processing, image-guided planning and/or execution therapy, contrast kinetic modeling, 3-D reconstruction and other quantitative tools. Next deadline **June 28, 2017** with subsequent deadlines through January 2020.

**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

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