

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.

November 10, 2017

Vermont Integrated Genomics Resource (VIGR) NEWS!

Larner College of Medicine Celebrating Excellence in Research

NIH Information Session Addressing Changing NIH Policies

Publications and Announcements

Funding Opportunities NEW and Updated

Events Calendar

November 2017

*Lung, Prostate and Pancreatic
cancer awareness month*

News from the Vermont Integrative Genomics Resource (VIGR)

VIGR (formerly AGTC and incorporating Bioinformatics), under the direction of **Julie Dragon, PhD**, has expanded with the hires of a new lab technician, **Phoebe Kehoe**, and a new faculty bioinformatician, **Adelaide Rhodes, PhD**. Phoebe Kehoe, a recent graduate from the UVM Department of Biology, has been interning with VIGR since May and will add service to the DNA arm of the core facility, enhancing senior



SUPPORTING THE UNIVERSITY OF VERMONT CANCER CENTER

*Think ahead! **Brovember** launches--Bros--grow your mo and help raise funds and awareness for the UVM Cancer Center! [Click here](#) to learn more about participating!*

12 Leunig's Bistro fundraiser!

All proceeds benefit men's health and cancer research and education at the UVM Cancer Center--make your reservation today by calling 802-863-3759!

15 Pathology Grand Rounds,

featuring Daniel Weiss, MD, PhD: "Advances in Lung Regenerative Medicine;" Davis Auditorium, 1-2 PM.

December 2017

TBD HFPT Research Program Meeting

January 2018

Cervical cancer awareness month

19 Annual UVM Cancer Center Member Retreat SAVE THE DATE!! All UVM Cancer Center members and staff are invited from 12-4:30 PM.

core member Jessica Hoffman's focus on Microarray and other advanced genomics techniques.

Dr. Rhodes comes to UVM from Oregon State and brings expertise in high-performance computing and analysis pipeline development, as well as experience teaching advanced bioinformatics. She recently participated in a cooperative hackathon hosted by Titus Brown at UC Davis in October to extend the functionality of the notebook computing platform binder (<http://mybinder.org>), providing a useful technique for creating and modifying unified classroom experiences, developing standardized protocols for laboratory researchers, and publishing data methods.

Senior member of the VIGR team, **Scott Tighe**, who has been with the Cancer Center since 2000, was recently promoted to Researcher/Analyst. His work on long-read DNA sequencing in Antarctica was featured in Nature's technology Forum for November (<https://www.nature.com/articles/550285a>).

VIGR offers a full suite of advanced technology genomics and bioinformatics resources and expertise and the team looks forward to building research across the University and beyond.

The VIGR website is being updated; please direct all inquiries to: [Julie Dragon, PhD](#).

Larner College of Medicine Celebrating Excellence in Research Event: Monday, November 13

**2017 UVM Medical Alumni Association
Distinguished Graduate Alumni Award Recipient**



David Warshaw, PhD'79

May 2018

*Brain, Melanoma and Skin
and Bladder Cancers
Awareness Month*

21 J. Walter Juckett

Distinguished Lecture,
featuring C. Richard Bolland,
MD, former president of the
American Gastroenterological
Association and author of *Cancer
Family: The Search for the
Cause of Hereditary Colorectal
Cancer*

Professor and Chair of Molecular Physiology &
Biophysics, University of Vermont
"Networking and Personal Branding: Two Keys to
Success"

12:00 pm - 1:00 pm

Sullivan Classroom, Medical Education Center

Dean's Excellence in Research Awards

with Keynote Speaker

Jon R. Lorsch, PhD

Director, National Institute of General Medical Sciences
"Basic Research: The Foundation on Which Advances in
Medicine are Built"

State of the College Research Address and awards from
the Larner College of Medicine and the UVM Health
Network Medical Group will be announced prior to the
keynote lecture.

4:00 pm - 6:00 pm

Davis Auditorium

Reception to follow in Hoehl Gallery.

For more details, [click here](#).

NIH Information Session: "How Do Changing NIH Policies Impact Me?"

"How Do Changing NIH Policies Impact Me?"

hosted by

Jeralyn Haraldsen, PhD

Grant Proposal Manager

Office of the Vice President for Research

During the past year, the National Institutes of Health (NIH) has instituted new requirements for studies involving clinical trials, as well as new requirements and forms that go into effect for NIH applications deadlines on or after January 25, 2018. Representatives from the Office of the VP for Research, the Research Protections Office, and Sponsored Projects Administration will provide information about the significant changes to help you prepare for this transition and will answer your questions.

[Summary of Significant Changes to the NIH Grants
Policy Statement - October 2017](#)

The Larner College of Medicine will host NIH Information Sessions Regarding the changes to Human Subjects Research and Clinical Trials requirements and Transition to NIH Forms E will be reviewed.

Two identical sessions are scheduled.

- Tuesday, Nov. 14, 12:00 - 1:00 pm - HSRF 400
- Thursday, Nov. 16, 3:00 - 4:00 pm - HSRF 400

Please attend one. No RSVP necessary, but space is limited in HSRF 400.

Publications and Announcements

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

Publications:

[The role of nitric oxide in metabolic regulation of Dendritic cell immune function.](#) Thwe PM, **Amiel E.** Cancer Lett. 2017 Oct 26;412:236-242. doi: 10.1016/j.canlet.2017.10.032. [Epub ahead of print] PMID: 29107106.

[Regulation of Bone Metabolism by Serotonin.](#) Lavoie B, **Lian JB**, Mawe GM. Adv Exp Med Biol. 2017;1033:35-46. doi: 10.1007/978-3-319-66653-2_3. PMID: 29101650.

[Defects in recombination activity caused by somatic and germline mutations in the multimerization/BRCA2 binding region of human RAD51 protein.](#) Silva MC, Bryan KE, Morrival MD, Averill AM, **Dragon J**, Wiegman AP, **Morrival SW.** DNA Repair (Amst). 2017 Oct 23;60:64-76. doi: 10.1016/j.dnarep.2017.10.008. [Epub ahead of print] PMID: 29100040.

[Editorial for the special issue on behavior change, health, and health disparities 2017.](#) **Higgins ST.** Prev Med. 2017 Oct 29. pii: S0091-7435(17)30397-3. doi: 10.1016/j.ypmed.2017.10.026. [Epub ahead of print] PMID: 29092791.

[Aneurysmal bone cysts and pathologic fracture associated with supernumerary ring chromosome 6 in two unrelated patients.](#) Hurd LM, Thacker MM, Okenfuss E, Duker AL, Lou Y, Harty MP, Conard K, **Lian JB**, Bober MB. Am J Med Genet A. 2017 Oct 28. doi: 10.1002/ajmg.a.38498. [Epub ahead of print] PMID: 29080333.

[One Team-Patient, Family, and Health Care Providers: An Interprofessional Education Activity Providing Collaborative and Palliative Care.](#) **Prelock PA**, Melvin C, Lemieux N, Melekis K, Velleman S, Favro MA. *Semin Speech Lang.* 2017 Nov; 38(5): 350-359. doi: 10.1055/s-0037-1607071. Epub 2017 Oct 27. No abstract available. PMID: 29078223.

[Cysteine perthiosulfenic acid \(Cys-SSOH\): A novel intermediate in thiol-based redox signaling?](#) Heppner DE, Hristova M, Ida T, Mijuskovic A, Dustin CM, Bogdándi V, Fukuto JM, Dick TP, Nagy P, Li J, Akaike T, **van der Vliet A**. *Redox Biol.* 2017 Oct 9; 14:379-385. doi: 10.1016/j.redox.2017.10.006. [Epub ahead of print] PMID: 29054072.

[Defective Nucleotide Release by DNA Polymerase \$\beta\$ Mutator Variant E288K Is the Basis of Its Low Fidelity.](#) Mahmoud MM, Schechter A, Alnajjar KS, Huang J, Towle-Weickel J, **Eckenroth BE, Doublé S, Sweasy JB**. *Biochemistry.* 2017 Oct 17; 56(41):5550-5559. doi: 10.1021/acs.biochem.7b00869. Epub 2017 Oct 2. PMID: 28945359.

[Recommendations for Pathologic Evaluation of Reduction Mammoplasty Specimens: A Prospective Study With Systematic Tissue Sampling.](#) **Ambaye AB, Goodwin AJ**, MacLennan SE, Naud S, **Weaver DL**. *Arch Pathol Lab Med.* 2017 Nov; 141(11):1523-1528. doi: 10.5858/arpa.2016-0492-OA. Epub 2017 Aug 10. PMID: 28795842.

[Targeted Genome Sequencing Reveals Varicella-Zoster Virus Open Reading Frame 12 Deletion.](#) Cohrs RJ, Lee KS, Beach A, Sanford B, Baird NL, Como C, Graybill C, Jones D, Tekeste E, Ballard M, Chen X, Yalacki D, **Frietze S**, Jones K, Lenac Rovis T, Jonjić S, Haas J, Gildea D. *J Virol.* 2017 Sep 27; 91(20). pii: e01141-17. doi: 10.1128/JVI.01141-17. Print 2017 Oct 15. PMID: 28747504.

[A monocyte-TNF-endothelial activation axis in sickle transgenic mice: Therapeutic benefit from TNF blockade.](#) Solovey A, Somani A, Belcher JD, Milbauer L, Vincent L, Pawlinski R, Nath KA, **Kelm RJ Jr**, Mackman N, O'Sullivan MG, Gupta K, Vercellotti GM, Hebbel RP. *Am J Hematol.* 2017 Nov; 92(11):1119-1130. doi: 10.1002/ajh.24856. Epub 2017 Jul 29. PMID: 28699284.

[Characteristics associated with requests by pathologists for second opinions on breast biopsies.](#) Geller BM, Nelson HD, **Weaver DL**, Frederick PD, Allison KH, Onega T, Carney PA, Tosteson ANA, Elmore JG. *J Clin Pathol.* 2017

Nov; 70(11): 947-953. doi: 10.1136/jclinpath-2016-204231. Epub 2017 May 2. PMID: 28465449.

[Rehabilitation Services Use and Patient-Reported Outcomes Among Older Adults in the United States.](#) **Gell NM**, Mroz TM, Patel KV. Arch Phys Med Rehabil. 2017 Nov; 98(11): 2221-2227.e3. doi: 10.1016/j.apmr.2017.02.027. Epub 2017 Apr 3. PMID: 28385481.

[The role of Runx2 in facilitating autophagy in metastatic breast cancer cells.](#) Tandon M, Othman AH, Ashok V, **Stein GS**, Pratap J. J Cell Physiol. 2018 Jan; 233(1): 559-571. doi: 10.1002/jcp.25916. Epub 2017 May 19. PMID: 28345763.

Funding Opportunities Highlights

Please go to the [UVM Cancer Center Extramural Funding Opportunities](#) list on the UVM Cancer Center website for a more complete listing.

Approaching Deadlines:

November 14, 2017 AACR [Lung Cancer Research Fellowships](#)

November 15, 2017 [Cancer Research Institute \(CRI\) - Technology Impact Award](#) seed funding

November 16, 2017 [AACR Fellowships in Lymphoma Research](#),

November 20, 2017 [National Cancer Institute \(NCI\)/NIH/DHHS - PAR 15-334 Development of Innovative Informatics Methods and Algorithms for Cancer Research and Management \(R21\)](#)

November 21, 2017 Department of Defense (DOD)-U.S. Army Medical Research and Materiel Command (USAMRMC)-Office of Congressionally Directed Medical Research Programs ([CDMRP](#)) - [FY17 Breast Cancer Research Program \(BCRP\)](#)

November 29, 2017 [American Association for Cancer Research \(AACR\)](#)- Loxo Oncology [Pediatric Cancer Research Fellowship](#)

December 1, 2017 [Duke \(Doris\) Charitable Foundation - Clinical Scientist Development Award](#)

December 1, 2017 [Damon Runyon Cancer Research Foundation Clinical Investigator Award Limited Competition](#) Please contact edward.north@uvm.edu by December 1, 2017 if you wish to apply.

New and Updated:

New [National Cancer Institute](#) (NCI)/NIH/DHHS - [Cancer Moonshot Funding Opportunities](#). Application due dates vary by program.

New [The Mary Kay Foundation](#) translational research in ovarian, uterine, breast or cervical cancer. [Limited Competition](#). Please contact edward.north@uvm.edu by **December 12, 2017** if you wish to apply.

Updated [American Association for Cancer Research \(AACR\)](#) - Conquer Cancer Foundation of ASCO [Young Investigator Translational Cancer Research Award](#). Application deadline is **December 12, 2017**.

New [American Association for Cancer Research \(AACR\)](#) - [Triple Negative Breast Cancer Foundation Research Fellowship](#). Application deadline is **December 13, 2017**.

New Department of Defense (DOD)-U.S. Army Medical Research and Materiel Command (USAMRMC)-Office of Congressionally Directed Medical Research Programs ([CDMRP](#)) - [FY17 Kidney Cancer Research Program \(KCRP\)](#). Mandatory pre-application deadlines are **December 20, 2017**.

New UVM Vice President for Research announces [SPARK VT](#) . Call for Proposals. Deadline for this year's competition is **January 26, 2018**.

New [National Cancer Institute](#) (NCI)/NIH/DHHS - Physical Activity and Weight Control Interventions Among Cancer Survivors: Effects on Biomarkers of Prognosis and Survival - [PAR-18-006 \(Reissue of PAR 16-122 R01 Clinical Trial Optional\) AND AND PAR-18-016 \(Reissue of PAR-16-123 R21 Clinical Trial Optional\)](#). **Application deadline for R01 is January 6, 2018 and January 16, 2018 for R21.**

Please send submissions for eALERT to [Sarah Keblin](#)