

THE

University of Vermont

C A N C E R C E N T E R

UPDATE: The eALERT will be sent semi-monthly rather than weekly. Please send submissions for the eALERT to [Sarah Keblin](#) by 4 PM Wednesday for submission in the current issue.

Thursday, March 5, 2015

[Thomas A. Roland, MD Lecture in Radiation Oncology](#)

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Event Spotlight

Tuesday, March 10
Special UVM Cancer

**First Annual Thomas A. Roland, MD
Lecture Announced**

Center Grand Rounds

featuring

John Healy, MD

Chief, Orthopedic Surgery,
Memorial Sloan Kettering
Cancer Center

Biological and Structural Observations Regarding the Development, Diagnosis and Treatment of Skeletal Metastases

Reardon Classroom/Med Ed
300; 8-9 AM

Save the Date

March 2015

*National Cancer
Prevention Month; Colorectal
Cancer Awareness Month*

9 Medical Laboratory Science Special Seminar:

*Uncovering Estrogen Receptor
Transcriptional Networks to
Overcome Breast Cancer
Endocrine Resistance*, featuring
Seth Frietze, PhD, Assistant
Professor, University of Northern
Colorado; Reardon Classroom
(Med Ed 300), 1:30 PM.

**9 SPARK Workshop:
Commercialization: The
customer discovery process;**
featuring Scott Holson,
Technology and
Commercialization Advisor,

The Department of Radiation
Oncology is proud to announce the
first, annual Thomas A. Roland, MD
Lecture in Radiation Oncology. The
event will take place on Tuesday,
April 14, 2015 from 7:30 to 8:30
AM in the Davis Auditorium and will
feature guest speaker Thomas
Buchholz, MD, Professor, Executive
Vice President, and Physician-in-
Chief at the University of Texas MD
Anderson Cancer Center.



Thomas A Roland, MD

Buchholz, whose academic interests are focused in
breast cancer and radiation oncology, will present, "Ever
Changing Management of Axillary Lymph Nodes in
Breast Cancer".

Juckett Lecture to Feature Michelle Le Beau, PhD

On Tuesday, March 17, 2015 the
UVM Cancer Center will present a
J. Walter Juckett Distinguished
Lecture featuring Michelle Le
Beau, PhD, Director of the
University of Chicago Cancer
Center. Le Beau, an international
leader in cancer cytogenetics and
genetics, will be presenting
"Genetic Pathways Leading to
Therapy-Related Myeloid
Neoplasms". The lecture will take
place in the Davis Auditorium at
12 PM.



Michelle Le Beau, PhD

For more information about the event, or Le Beau's
visit, please contact [Charlie Brooks](#).

Flow Cytometry and Cell Sorting Core Lab Receives NIH Grant

The Flow Cytometry and Cell Sorting Core Laboratory
has received an NIH Shared Instrumentation Grant for
the upgrade of equipment. The grant will enable the
facility to upgrade the FACS Aria, a bench top high-
speed cell sorter, to a FACS Aria III, complete with a
new 561 laser.

Vermont Small Business Development Center; Dudley H. Davis Center, 12-1 PM.

10 Special UVM Cancer Center Grand Rounds, featuring John Healy, MD, chief of orthopedic surgery, Memorial Sloan-Kettering Cancer Center: "Biological and Structural Observations Regarding the Development, Diagnosis and Treatment of Skeletal Metastases;" Reardon Classroom (Med Ed 300), 8-9 AM.

16-17 Micro RNA Conference: microRNAs as Predictive Cancer Biomarkers; Hyatt Regency, Cambridge, MA.

17 J. Walter Juckett Distinguished Lecture, featuring Michelle Le Beau, PhD, Professor at the University of Chicago Comprehensive Cancer Center: "Genetic Pathways Leading to Therapy-Related Myeloid Neoplasms;" Davis Auditorium, 12 noon.

27 Cancer Nanotechnology Symposium: Targeting, Diagnostics and Therapy; Dartmouth College, 7:45 AM to 4 PM. For more info. [click here](#).

28 UVM Rally Against Cancer Lacrosse Game: SAVE THE DATE.

April 2015

National Cancer Control Month, Head and Neck Cancer Awareness Month, Testicular Cancer Awareness Month

14 First annual Roland Lecture in Radiation

This upgrade will expand the range of sorting capabilities at the facility to include red florescent proteins (i.e. mCherry, tdTomato, DsRed), improve detection of dim PE populations, enable the elimination of a "FITC-PE spillover", and will allow the detection of 11 fluorescence parameters. In addition, it will increase the range of particles to be sorted. When performing a single cell deposition (into plates or onto slides), it would be possible to record the fluorescence levels of the one sorted cell (Index Sorting), tying data with any downstream application (such as genomic studies).

For more information about the grant, or, to learn more about Flow Cytometry and Cell Sorting at the College of Medicine [click here](#).

UVM Students to Host Color Run for UVM Cancer Center

On National Philanthropy Day, November 15, 2014, the UVM Student Alumni Association carried out a poll on campus asking students which organizations make the biggest impact at UVM, and the UVM Cancer Center was named a finalist.

This semester, with support from the UVM Foundation, the group will be launching a student giving and awareness campaign for the finalists, including the Cancer Center.

The first effort of the campaign will be a planned [Color Run](#) for April 11, 2015. The group is finalizing plans for the event, but UVM Cancer Center members are encouraged to mark their calendars for what should be a fun event!



A Glimpse of Color Run

Northeastern Breast Cancer

Oncology; featuring Thomas Buchholz, MD, Executive Vice President & Physician in Chief, The University of Texas MD Anderson Cancer Center, Houston, TX; location TBD, 7:30-8:30 AM.

17 Biochemistry Seminar Series, featuring Mark Israel, MD, Director, Norris Cotton Cancer Center; Given C443, 12 PM.

May 2015

*Brain Tumor Awareness/
Cancer Research Month/
Skin Cancer Detection and
Prevention Month/National
Women's Health Month*

1-2 [NE Genitourinary Oncology Symposium](#); Hilton Hotel, Burlington, VT.

1-3 [Stowe Weekend of Hope](#): SAVE THE DATE!

4 Genomic Instability Cancer Meeting; Jackson Laboratories, Bar Harbor, ME.

8 [Northeastern Breast Cancer Symposium](#); Dartmouth-Hitchcock Medical Center, Lebanon, NH, 8 AM to 5 PM. For more information, or to register, [click here](#).

12 J. Walter Juckett Distinguished Lecture: Louise Strong, MD, Professor of Genetics at the University of Texas, MD Anderson Cancer Center; Carpenter Auditorium, 12 noon.

22 SAVE THE DATE: UVM Cancer Center Mini-Symposium from 8-11 AM.

Research Symposium: May 8

UVM Cancer Center members are invited to join investigators from the Norris Cotton Cancer Center, McGill University, University of Massachusetts, University of Vermont, Yale University, Tufts University, University of Connecticut Health Center, and Jackson Laboratory at the Northeastern Breast Cancer Symposium on May 8, 2015. The event will take place at Dartmouth-Hitchcock Medical Center in Lebanon, NH.

This one-day symposium will highlight work in breast cancer at participating institutions, and aims to foster trans-institutional collaboration on timely issues in basic, translational, and clinical breast cancer research.

To learn more, see the full agenda, or to register [click here](#).

Publications and Announcements

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

Announcements:

Congratulations to UVM Cancer Center member and research program leader **Marc Greenblatt, MD** for his recent faculty promotion to Professor (with tenure). To see the College of Medicine faculty promotion showcase [click here](#).

Recent Publications by UVM Cancer Center Members:

[Monitoring minute ventilation versus respiratory rate to measure the adequacy of ventilation in patients undergoing upper endoscopic procedures](#). Holley K, MacNabb CM, Georgiadis P, Minasyan H, **Shukla A**, Mathews D. J Clin Monit Comput. 2015 Mar 4. [Epub ahead of print] PMID: 25735263 [PubMed - as supplied by publisher].

[American Heart Association's Life's Simple 7 and Risk of Venous Thromboembolism: The Reasons for Geographic and Racial Differences in Stroke \(REGARDS\) Study](#). Olson NC, **Cushman M**, Judd SE, McClure LA, **Lakoski SG**, Folsom AR, Safford MM, **Zakai NA**. J Am Heart Assoc. 2015 Feb 27;4(3). pii: e001494. doi: 10.1161/JAHA.114.001494.

29 VTAAC Annual meeting;
9 AM to 3 PM Capitol Plaza,
Montpelier.

June 2015

Men's Health Awareness Month

26 SAVE THE DATE: 1st Annual Men's Health and Cancer Conference presented by the UVM Cancer Center;
Medical Education Center, UVM College of Medicine; 8-12.

September 2015

Ovarian, Leukemia and Lymphoma, Childhood and Prostate, and Thyroid Cancer Awareness Month

14 SAVE THE DATE: J. Walter Juckett Distinguished Lecture, featuring nobel prize winning scientist Phil Sharpe, PhD, Professor at the Koch Institute for Integrative Cancer Research at MIT.

October 2015

Breast Cancer Awareness Month

2 SAVE THE DATE: 18th Annual Breast Cancer Conference.

PMID: 25725088 [PubMed - in process].

[Myosin motor isoforms direct specification of actomyosin function by tropomyosins.](#) Clayton JE, Pollard LW, Murray GG, **Lord M.** Cytoskeleton (Hoboken). 2015 Feb 25. doi: 10.1002/cm.21213. [Epub ahead of print] PMID: 25712463 [PubMed - as supplied by publisher].

[IL-4-Secreting Secondary T Follicular Helper \(Tfh\) Cells Arise from Memory T Cells, Not Persisting Tfh Cells, through a B Cell-Dependent Mechanism.](#) Fairfax KC, Everts B, **Amiel E,** Smith AM, Schramm G, Haas H, Randolph GJ, Taylor JJ, Pearce EJ. J Immunol. 2015 Feb 23. pii: 1401225. [Epub ahead of print] PMID: 25712216 [PubMed - as supplied by publisher].

[The association of resistin with cardiovascular disease in the Multi-Ethnic Study of Atherosclerosis.](#) Muse ED, Feldman DI, Blaha MJ, Dardari ZA, Blumenthal RS, Budoff MJ, Nasir K, Criqui MH, **Cushman M,** McClelland RL, Allison MA. Atherosclerosis. 2015 Mar;239(1):101-8. doi: 10.1016/j.atherosclerosis.2014.12.044. Epub 2014 Dec 23. PMID: 25585029.

[Vpu Is the Main Determinant for Tetraspanin Downregulation in HIV-1-Infected Cells.](#) Lambel  M, Koppensteiner H, Symeonides M, Roy NH, Chan J, Schindler M, **Thali M.** J Virol. 2015 Mar 15;89(6):3247-55. doi: 10.1128/JVI.03719-14. Epub 2015 Jan 7. PMID: 25568205 [PubMed - in process].

[Indications for distinct pathogenic mechanisms of asbestos and silica through gene expression profiling of the response of lung epithelial cells.](#) Perkins TN, Peeters PM, **Shukla A,** Arijs I, **Dragon J,** Wouters EF, Reynaert NL, **Mossman BT.** Hum Mol Genet. 2015 Mar 1;24(5):1374-89. doi: 10.1093/hmg/ddu551. Epub 2014 Oct 27. PMID: 25351596

[Comparative effectiveness of combined digital mammography and tomosynthesis screening for women with dense breasts.](#) Lee CI, Cevik M, Alagoz O, **Sprague BL,** Tosteson AN, Miglioretti DL, Kerlikowske K, Stout NK, Jarvik JG, Ramsey SD, Lehman CD. Radiology. 2015 Mar;274(3):772-80. doi: 10.1148/radiol.14141237. Epub 2014 Oct 28. PMID: 25350548

[Could lncRNAs be the missing links in control of mesenchymal stem cell differentiation? Tye CE, Gordon JA, Martin-Buley LA, Stein JL, Lian JB, Stein GS. J Cell Physiol. 2015 Mar;230\(3\):526-34. doi:](#)

Funding Opportunities

Green indicates NEW

- [UVM SPARK-VT Pilot Projects Call for Proposals](#); objective of projects is to help bring innovation to the marketplace, award amounts from \$20,000 to \$50,000; deadline for submission is **March 6, 2015**.
- [NIH High-End Instrumentation \(HEI\) Grant Program; limited competition award coordinated through UVM Office of Sponsored Projects](#); grant will support purchase or upgrade of single expensive, specialty, or commercially available instrument or system from \$600,000 to \$2,000,000; **email UVM's Hilda Alajajian by March 9** if are planning to submit an application, including type of equipment and faculty names for those who comprise largest user group.
- [Taub Foundation Grants Program for Myelodysplastic Syndromes \(MDS\)](#); \$600,000 over three years; deadline for initial proposal is **March 17, 2015, noon**.
- [Robert Wood Johnson Foundation Harold Amos Medical Faculty Development Program Award](#); 4-year postdoctoral research awards for physicians and dentists from disadvantaged backgrounds; deadline **March 18, 2015**.
- [CDMRP Ovarian Cancer Research Grants Announced](#); more info., including deadlines will be posted to grants.gov in March.
- [American Cancer Society \(ACS\): RFA for research projects addressing "The Role of Health Policy and Health Insurance in Improving Access to and Performance of Cancer Prevention, Early Detection, and Treatment Services"](#); deadline for applications are **April 1 and October 15, 2015**.
- [American Cancer Society Funding Opportunities](#), including Physician Training, Postdoctoral Fellowship, Research Professor, Pilot and Exploratory Studies Using CBPR to Achieve Cancer Health Equity, Palliative Care, Health Policy, Research Scholar, Mentored Research Scholar grants; **deadline for Spring funding call is April 1, 2015**.
- [CDMRP Department of Defense Breast Cancer Research Grants Announced](#); Innovator, Breakthrough and Distinguished

Investigator Awards; **pre-application deadline is April 8 for some, April 24 for others.** See website for details.

- [IDeA co-funding initiative announced: If you are submitting applications to NIH for R01 and R15 awards, please make sure that your program officer knows that you are from an IDeA state and, therefore, eligible for co-funding](#) The IDeA co-funding initiative requests applications once a year. This year deadline is April 10, 2015. NIGMS will co-fund awards to support research project grants applications from investigators within IDeA eligible states. NIGMS will provide support to applicants whose proposals received excellent ratings through the peer review process but fell short of the Institute's or Center's (ICs) pay line; **deadline April 10, 2015.**
- [The Damon Runyon-Rachleff Innovation Award](#); designed to provide funding to extraordinary early career researchers who have an innovative new idea but lack sufficient preliminary data to obtain traditional funding; **application deadline is July 1, 2015.**

[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.

Environmental Pathology and Carcinogenesis Seminar Series
Mondays at Noon, HSRF 200

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, Co-Director
Claire F. Verschraegen, MD, Co-Director
Kate Webster, Administrative Director
Sarah Koblin, Communications Manager