Innovation and Research Week

Sponsored by UNeMed and UNMC's Vice Chancellor for Research Office

October 19th – 23rd, 2015
FINAL SCHEDULE VERSION

MONDAY (10/19)

9-11am   **DRC Lobby**   **Innovation and Research Kick-Off Event**
UNeMed and the UNMC Vice Chancellor for Research Office
An open house of freebies, including T-shirts, brochures, coffee and more.

Noon-1pm   **COPH 3013**   **What do I do with all this Data? Biomedical Informatics Resources**
Chittibabu (Babu) Guda, PhD; Ashok Mudgapalli, PhD
Researchers on campus are obtaining increasingly large amounts of data, creating issues with how this data will be stored and studied. Learn about the resources and services that the Research Information Technology Office and Bioinformatics and Systems Biology Core can provide to researchers dealing with "data overload."

Noon-1pm   **BTH 2020**   **Clinical Research 101: How do I get started?**
Christopher J. Kratochvil, MD; LuAnn Larson, RN, BSN, CCRP; Karla Klaus, BS
Gain a better understanding of the clinical research resources available to researchers on campus, allowing you to develop and maintain a successful clinical trial in any discipline.

1-2pm   **COPH 2007**   **VA Funding Opportunities & Research Resources**
Frederick Hamel, PhD
Discover the various funding opportunities available through the US Department of Veterans Affairs and the many research resources available by partnering with the Omaha VA Medical Center.

2-3pm   **DRC 1002**   **Panel: Alternate Careers in Science**
UNeMed
Panelists with scientific backgrounds will discuss career options for graduate students in scientific fields.

3-4pm   **DRC 1005**   **McGoogan Library: Resources for UNMC Researchers**
Cindy Schmidt, MD
Learn about the library services available in support of UNMC researchers, including: systematic review searching, training with and support for MyNCBI tools needed for NIH applications, support and training in RefWorks, and assistance with citation tracking and current awareness.

| 4-5pm | MSC 2010 | **Being a Good Mentor: Experiences and lessons for mentors by mentors** |

Iqbal Ahmad, PhD; Tatiana K. Bronich, PhD; Keith R. Johnson, PhD; Shelley D. Smith, PhD, FACMG; Irving Zucker, PhD

Mentoring students, post-docs, and/or new faculty can be a difficult job. Learn from those who have gone through the journey successfully and have gained insights that could be applied to your own experiences in mentoring.

TUESDAY (10/20)

| 9-10am | DRC 1006 | **What do I do with all this Data? Biomedical Informatics Resources** |

Chittibabu (Babu) Guda, PhD; Ashok Mudgapalli, PhD

Researchers on campus are obtaining increasingly large amounts of data, creating issues with how this data will be stored and studied. Learn about the resources and services that the Research Information Technology Office and Bioinformatics and Systems Biology Core can provide to researchers dealing with "data overload".

| 9-11:30am | MSC 1012 | **iEXCEL Expo** |

UNeMed

Enter the world of Interprofessional Experiential Center for Enduring Learning (iEXCEL), the cutting edge of advanced medical training, education and simulation. Touch, feel and experience the future with an open house that gets your hands on the most advanced and sophisticated medical training tools in the world.

| 10:30-11:30am | DRC 1006 | **Grant Resource Library: A resource you should know about…** |

Max Kuenstling, MS

Learn about a new resource available to UNMC researchers and administrators, allowing you to easily obtain essential material that will aid in the development and preparation of competitive grant applications.

| Noon-1pm | MSC 3002 | **Mission SimPossible** |

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Teams of doctors, nurses, and practicing clinicians from family medicine and emergency care square off in simulation contest that will test their skills, expertise and calm under pressure.

| Noon-1pm | MSC 1005 | **Developments in The Greater Plains Collaborative: A Big Data system for Comparative Effectiveness Research** |

James C. McClay, MD

Learn about the Patient Centered Outcomes Research Network (PCORnet), the rapid advancement in clinical data availability, UNMC's participation in the Greater Plains Collaborative (GPC) Clinical Data Research Network, and understand what is required to create large-scale pragmatic comparative effectiveness research trials.

Noon-1pm   DRC 1006   Training Grants 101: Common Questions and Answers

H. Dele Davies, MD, MHCM; Jennifer Black, PhD; Karen A. Gould, PhD

Join researchers who have successfully obtained training grants for an open panel discussion on these types of applications. Come with questions and look forward to answers. Find out what has and hasn't worked for applicants in the past, and learn ways to improve your training grant application.

1-4pm   MSC 1012   iEXCEL Expo

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2-3pm   DRC 1002   "Surviving Your Stupid, Stupid Decision to Go to Grad School"

UNeMed

Adam Ruben, PhD, author and co-host of "Outrageous Acts of Science" on the Science Channel, will complain about graduate school and offer career alternatives to the shrinking academic tenure-track market.

4-5pm   MSC 2010   Rewriting Our National Narrative: Health as a Central Theme

Jane Meza, PhD

Nebraska has an opportunity to be a leader in health equity. What is the profile of social determinants of health in Nebraska? We will discuss building relationships in communities as an approach to eliminating health disparities.

7-8pm   MSC 1005   "Public Perception of Science: Lessons from a Dead Sheep"

UNeMed

Adam Ruben, PhD, author and co-host of "Outrageous Acts of Science" on the Science Channel, performs a second show in the evening as a part of UNMC's Science Café series.

WEDNESDAY (10/21)

10-11am   COPH 2001   Our New Research Data Center: What it is and How to Get Involved

John E. Anderson, PhD

The new Research Data Center (RDC) gives UNMC researchers access to restricted micro-level federal data of many types, including over two dozen health data sets, such as the National Health Interview Survey, Medical Expenditure Survey, National Survey of Family Growth, and National Health and Nutrition Examination Survey and all of the National Center for Health Statistics. This presentation will inform researchers of the unparalleled access they now have to restricted data, and the steps they can take to access that data.

10:30am-Noon	DRC 1006	**Principles of Effective Writing for Grants and Manuscripts**

Principles of Effective Writing for Grants and Manuscripts
Adrian E. Koesters, MFA, PhD
Scientific writing can be daunting because it requires you to WRITE—and writing employs entirely different talents and perspectives than bench research. The good news is that all good writing relies on the same skills, regardless of discipline. Developing clarity, interest, and awareness of audience is easy to do when you know how writing works, and how to practice to make it work well. This presentation will give you a set of strategies that you can use immediately, whether you are undertaking your first grant proposal or working on your 50th journal article.

Noon-1pm   MSC 2014   Gathering Research Data Using the Free Online Database Tool, "REDCap," and Harnessing REDCap Features for Managing Your Research Project
Michael Gleason, PhD; Ashlee Portelli-Trinidad, MPA
The Research IT Office has made the Research Data Capture (REDCap) tool available to all UNMC faculty, staff, and students. REDCap is adept at SurveyMonkey-esque online surveys, but also well-suited for more complex tasks, such as collecting data for randomized clinical trials and longitudinal studies. Join us in this session to see how easy it is to use this online database platform to collect, manage, analyze, and securely store your research data.

1-2pm   DRC 1005   Tools to Help you Find Funding Opportunities & Collaborators
Linda Wilkie, BS, VT
Learn about SciVal's Experts and Funding tools available to UNMC researchers. Experts is a research networking tool that helps users find researchers with specific areas of expertise, making it easier to form teams within UNMC and across organizations. Funding, a searchable database of funding opportunities from over 4,000 public and private funding sources, targets funding opportunities based on your own publication history and will deliver them directly to your in-box. This unique tool also allows campus researchers to search by keyword for current opportunities, set up alerts for new programs and view recommended opportunities based on their individual research profile.

2-3pm   DRC 1005   Working with a Biostatistician: How should you prepare?
Jane Meza, PhD; Fang Yu, PhD
When developing your research plan, working with a biostatistician from the Center for Collaboration on Research Design and Analysis (CCORDA) can help you to optimize your study design. Learn some of the "best practices" on designing a study, the benefits of meeting with your biostatistician early in the design phase, and learn what services and resources CCORDA offers to UNMC researchers.

3-4:30pm	COPH 2001	**Forming a Community Advisory Board: Strategies and Benefits for Community-Based Research**

Mary Cramer, PhD, RN, FAAN; Stephen Lazoritz, MD; Ken Shaffer, MD; Alan Stern, BS; Members of Central Nebraska Prenatal Advisory Board

Learn about the strategies in developing and value of having a community advisory board for a community-based research project, as well as partnering with community businesses to develop health interventions.

4-6pm	MSC 3001	**UNMC Technology Demonstration Day**

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Several short presentations that describe breakthroughs and inventions in terms that everyone will understand. This will be followed by a short reception to mix and mingle with inventors, industry executives, investors, faculty and others.

THURSDAY (10/22)

10-11am	MSC 1005	**Grant Resource Library: A resource you should know about…**

Max Kuenstling, MS

Learn about a new resource available to UNMC researchers and administrators, allowing you to easily obtain essential material that will aid in the development and preparation of competitive grant applications.

11am-Noon	MSC 1005	**Electronic Health Record Access Core: How to request the data you need…**

Purnima Guda, PhD

For those individuals who might need data from the electronic health record, learn how to get the best data for your project, either for feasibility or retrospective data sets for analysis.

11:30-1pm	WH 3034	**Strategies for building a Clinical Research Budget**

LuAnn Larson, RN, BSN, CCRP; Katie Penas, MHA, CNMT, RT(N)

Developing a clinical research budget is important to negotiating a clinical trial contract. All are invited to learn more about strategies to successfully negotiate the resources you might need. Research coordinators, administrators and anyone that needs to create a budget would benefit from this discussion.

Noon-1pm	MSC 1005	**The National Strategic Research Institute: Funding & Innovation Opportunities**

Robert Hinson, USAF, Lt. Gen. (Ret.); William Charlton, PhD

NSRI is one of 13 Department of Defense (DoD) University Affiliated Research Centers nationwide. NSRI works with researchers to strategically pursue DoD research opportunities to generate innovative research solutions in combating weapons of mass destruction including chemical, biological, nuclear and cyber threats. Learn more about NSRI and how easy it might be to connect your current research interests to DoD research needs as a means to diversify your funding opportunities.

4-6pm   **DRC 1002**   **Innovation Award Ceremony**

UNeMed

Recognizing UNMC faculty, staff and students who disclosed a new invention, received a patent or licensed a technology. Special honors will also be presented to the "Most Promising New Invention" and the "Innovator of the Year." And one lucky guest will receive a free iPad!

FRIDAY (10/23)

8am-Noon   **DRC 1 & 2**   **Technologies to Advance your Research: Meet your Core Director**

UNMC Vice Chancellor for Research Office

Tour the variety of Core Facilities on campus and learn about the new technologies that are available to further your research!

10am-2pm   **WH 6th Floor**   **3D Printing and the Digital Commons Open House**

McGoogan Library of Medicine

Discover the new 3D printing resources available on campus and learn how the Digital Commons can be used to upload and store copies of research presentations and posters.

10am-2pm   **UT 3480**   **Clinical Research Center Open House**

UNMC Vice Chancellor for Research Office

Tour the Clinical Research Center, located just across from the Cafeteria on the third floor of University Tower, to learn about the resources available to clinical researchers that might be looking for space to see patients as part of their trial.

Noon-1pm   **Storz Pavilion**   **Brown Bag Lunch: "Clinical Trials: Why are they important?"**

Christopher J. Kratochvil, MD; LuAnn Larson, RN, CCRP

Bring your lunch and join a discussion on the various types of clinical trials on campus, why they are important to the strategic plan of UNMC and Nebraska Medicine, and learn how you can get involved in furthering medical discoveries that improve the health of Nebraskans and people around the world. This discussion will be held in the lower level of the Storz Pavillion.

1:30-2:30   **DRC 1002**   **New Umbrella Admission Program: Opportunities for recruiting new students**

H. Dele Davies, MD, MHCM

A new graduate umbrella admissions program has been developed and will be in place in the coming year, creating common minimum standards through which all PhD graduate students can enter. Learn about the changes coming to the admissions process, how it will position UNMC more favorably for training grant awards, and how this new program will have a positive impact on incoming students, your laboratory, and UNMC departments and colleges.