Annual Report of the Faculty Committee on Research

Faculty Council presentation January 29, 2010

Research Committee 2009-10

Through 2010
Kenneth Bollen (Sociology)
(Committee Chair)

Through 2011
Kerry Bloom (Biology)
Martin Doyle (Geography) [on leave]
David Margolis (Medicine)
Eileen Parsons (Education)

Through 2012
Louis Bartek III (Geological Science)
Rita Fuchs Lokensgard (Psychology)
Shoou-Yih (Daniel) Lee (Health Policy)

Tony Waldrop (Vice Chancellor for Research and Economic Development), Ex-Officio

The Committee met twice during the Fall 2009 semester and has a third meeting scheduled prior to reporting to the Faculty Council on January 29, 2010. This year we continued our work that we started last year with Andy Johns’ (Associate Vice Chancellor for Research) group. Andy’s group was working with RENCI and others to develop information systems to improve access to faculty expertise and research areas. This system, as it is presently designed, allows a user to search by a research topic (disorder, disease, condition, procedure, population, etc) or by an individual researcher to retrieve a representation of expertise for that individual researcher or topic. The search draws from data that has been collected and aggregated from existing research processes such as grant preparation/submission, intellectual property disclosure and patenting, clinical trials as well as several public repositories of academic publications.

The tool can also be used to help determine where researchers are performing their research. An example would be if an end user wanted to identify all locations within the United States where UNC researchers were conducting diabetes research. The system would enable this type of search and display a map of the results.

The Faculty Research Committee met with Andy Johns during the fall. Initially, we received an update on the most current version of the programs. Andy told us that since last year, funding prospects for this project were much brighter and he anticipated making great progress this year. The members of the Committee were given full access
to the programs and worked with it between meetings so that we could pass along suggestions for improvements at the next meeting.

The Research Committee members had numerous comments and suggestions for Andy Johns. Most of these comments had to do with the limited coverage of disciplines in these preliminary versions of the web sites that concentrated on a sample of faculty and areas from health affairs. Andy explained that within the next few months the coverage of faculty and areas will greatly expand. He hopes to have a preliminary expanded version in January, 2010.

Other suggestions were to be sure that the search procedures were capable of locating commonplace terms for conditions that have more formal names (e.g., "heart attacks"); to add a capability to limit search for collaborators and organizations to be within a certain distance from UNC- Chapel Hill; to include linkages of faculty to university centers and institutes; to include a summary statement on the home page of each site to describe purpose and limits of each site; to give options as to how to order the listing of departments and faculty in the search output (e.g., alphabetical vs. number of publications in an area); etc.

The best way to understand the power of this system is to see a demonstration. We have arranged for Andy Johns to do that at the January 2010 meeting of the Faculty Council. We also include an appendix of screen shots of the system as part of this report.

Appendix: Screen Shots from Searchable Data Base that is being built begins on next page.
20 Experts found

- Bangdiwala, Shrikant I
- Chambless, Lloyd E
- Maeda, Nobuyo
- Couper, David J
- Rosamond, Wayne D
- Pomp, Daniel
- Nakamura, Jun
- Ammerman, Alice S
- Vuppuru, Suma
- Jennette, John C
- Beck, James D
- Catellier, Diane J
- Prazma, Jiri
- Berry, Diane C
- Clarke-Pearson, Daniel L
- Runge, Marschall S
- Keagy, Blair A
- Samuel-Hodge, Carmen D
- Weinberger, Morris
- Patterson, Winston Campbell (Cam) C

Your search terms

- Diabetes Complications
- Hypertension
- Obesiy

Refine search by adding Concepts

**Disorders**
- Coronary Disease
- Atherosclerosis
- Overweight
- Body Mass Index

**Chemicals & Drugs**
- Smoke
- Blood Coagulation Factors
- Lipoprotein(a)
- Factor VIII
- von Willebrand Factor
- Fibrinogen
- Cholesterol, HDL

**Procedures**
- Nutrition Surveys
- Risk Assessment
- Education
Disorders
- Cardiovascular Diseases
- Hypercholesterolemia
- Obesity

Ammerman Alice; Leung May May; Cavallo David
Addressing disparities in the obesity epidemic.
Show Abstract

Perrin Eliana Miller; Flower Kori B; Garrett Joanne; Ammerman Alice S
Preventing and treating obesity: pediatricians' self-efficacy, barriers, resources, and advocacy.
Show Abstract

Perrin Eliana M; Flower Kori B; Ammerman Alice S
Pediatricians' own weight: self-perception, misclassification, and ease of counseling.
Show Abstract

Activities & Behaviors
- Food Habits
- Motor Activity
- Life Style
- Program Evaluation
- Exercise
- Attitude to Health
- Community-Institutional Relations
- Health Knowledge, Attitudes, Practice
- Risk Reduction Behavior
- Needs Assessment
- Program Development
- Health Behavior
- Outcome Assessment (Health Care)
- Physician's Role
- Consumption
- Social Support
- Physician's Practice Patterns
- Patient Compliance
- Alcohol Drinking
- Emigration and Immigration
- Cooperative Behavior
- Communication
- Mail
- Smoking
1. **2008**: Robinson Whitney R; Poole Charles; Godley Paul A
   Systematic review of prostate cancer's association with body size in childhood and young adulthood.
   Department of Epidemiology, University of North Carolina, CB# 7435, McGavran-Greenberg, Chapel Hill, NC, 27599-7435, USA, whitney_robinson@unc.edu.

2. **2008**: Peppercorn Jeffery; Buss William G; Fost Norm; Godley Paul A
   The dilemma of data-safety monitoring: provision of significant new data to research participants.
   Division of Hematology/Oncology, University of North Carolina at Chapel Hill, Chapel Hill, NC 27599-7305, USA. jpepper@med.unc.edu

3. **2008**: Carpenter William R; Robinson Whitney R; Godley Paul A
   Getting over testosterone: postulating a fresh start for etiologic studies of prostate cancer.

4. **2008**: Castel Liana D; Saville Benjamin R; Dupuy Venita; Godley Paul A; Hartmann Katherine E; Abernethy Amy P
   Racial differences in pain during 1 year among women with metastatic breast cancer: a hazards analysis of interval-censored data.
   Cancer 2008;112(1):162-70.
   Cecil G. Sheps Center for Health Services Research, University of North Carolina at Chapel Hill, Chapel Hill, North Carolina 27599, USA. liana@unc.edu

5. **2007**: Walker Tessa A; Howard DaniellL; Washington Chanetta R; Godley Paul A
   Development of a health sciences library at a historically black college and university (HBCU): laying the foundation for increased minority health and health disparities research.
   The Institute for Health, Social, and Community Research, Shaw University, 900 South Wilmington Street, Raleigh, NC 27601, USA. twalker@shawu.edu
<table>
<thead>
<tr>
<th>Name</th>
<th>Publications</th>
<th>Number of Publications</th>
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<tr>
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<td>A Ammerman, Alice S</td>
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<td>D DePuy, Venita</td>
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<td>F Fonthani, Elizabeth T H</td>
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<td>G Galanko, Joseph A</td>
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<td>K Martinson, Francis E A</td>
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<td>R Rathmel, W Kinryn</td>
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Blood Glucose

Publication Timeline

Profiles

MeSH

Disorders

Blood Glucose

Insulin

Hemoglobin A, Glycosylated

Lactates

Lipids

Cholesterol

Hypoglycemic Agents

Triglycerides

Leptin

Glucose

Aldehyde Reductase

Bilirubin

Markers

Dietary Carbohydrates

Fatty Acids, Nonesterified
21 Publications

2007: Stookey JD; Barclay D; Arief A; Popkin BM
The altered fluid distribution in obesity may reflect plasma hypertonicity.
Pubmed Abstract

2006: Shapiro Jennifer R; Stout Anna L; Musante Gerard J
"Structure-size me:" weight and health changes in a four week residential program.
Eating behaviors. 2006;7(3):229-34.
Pubmed Abstract

2006: Bauche Isabelle B; Ait El Mkadem Samira; Rezsohazi Rene; Funahashi Tohu; Maeda Norikazu; Miranda Lisa Miranda; Brichard Sonia M
Adiponectin downregulates its own production and the expression of its AdipoR2 receptor in transgenic mice.
Pubmed Abstract

2006: Harrell Joanne S; Jessup Ann; Greene Natasha
Changing our future: obesity and the metabolic syndrome in children and adolescents.
Pubmed Abstract

2005: North Kari E; Almasy Laura; Goring Harald H H; Cole Shelley A; Diego Vincent P; Laston Sandra; Cantu Teresa; Williams Jeff T; Howard Barbara V; Lee Elisa T; Best Lyle G; Fabsitz Richard R; MacCluer Jean W

Experts

Ponip Daniel 2
Edwards Lbyd J 2
Popkin Barry M 1
North Kari E 2
Shapiro Jennifer R 1
Nakamura Jun 2
Dangdivala Shrikant I 1
Maeda Nobuyo 3
Kaufman Jay S 1
Brouwer Kim R 1
Harrell Joanne S 1
Switzer Boyd R 1
Truesdale Kimberly P 1
Wenberger Morris 1
Persky Adam M 1
Harp Joyce B 1
Cai Jianwen 1
Stevens June J 1