A Research Database for UF
Scholars@Duke

Scholars@Duke brings together the research and teaching activities of Duke faculty members in six schools. By spring of 2014, Scholars@Duke will include all Duke faculty members. Fed from institutional and public data sources and gathered by a suite of tools, Scholars@Duke includes an expertise network, web profiles, and an archive of publications.

Based on VIVO, the research-focused discovery tool, Scholars@Duke helps local and global communities connect to Duke scholarship.
Welcome to Griffith University's Research Hub, a rich and informative guide to the University's expertise in a comprehensive array of academic fields.

Quantum computing expert is Young Tall Poppy
The revolutionary solutions offered by quantum computing are under the spotlight as Griffith's Dr Elke ... read more

Find an Expert
Research Groups
Current Projects
Research Degrees
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The Excellence in Research for Australia (ERA) 2012 results (based on the 2006-2010 period) profile Griffith as a comprehensive, research-active university with approximately 88% of eligible researchers associated with broad (two-digit) fields of research assessed at world standard or better.
SUNY REACH (Research Excellence in Academic Health) is a program to unify and advance the research vision of New York State’s public Academic Health Centers and their integrated Medical Schools.

SUNY REACH INVESTIGATOR DATABASE
Using the toolbars above, browse or search information on people, organizations, research publications and more.

About the SUNY REACH Investigator Profiles

SUNY REACH EXTRAMURAL FUNDING
Funding Resulting from REACH Collaborations:
- Multi-campus Projects
- Single-campus Projects

SUNY REACH ORGANIZATION
Rosemary Rochford, Ph.D., Executive Director

Focus Groups:
- Clinical and Translational Research
- Infectious Diseases/Emerging Pathogens
- Neural Degeneration and Regeneration
- Neuroscience of Substance Abuse
- Receptors and Brain Development
- SUNY Eye Institute

Technical Aspect:
- Semantic Web Architecture Group
Booth, James | Cornell Faculty Member

Positions
- Department Chairperson, CALS Senior Associate Deans, College of Agriculture and Life Sciences (CALS)
- Professor, CALS Senior Associate Deans, College of Agriculture and Life Sciences (CALS)
- Professor, Statistical Science (STSCI), Faculty of Computing and Information Science (CIS)

Research Areas
- biometry

Networks
- Co-Authors
- Co-investigators
- Map Of Science

Affiliations | Research | Publications | Teaching | Service | Background | View All
What can VIVO do?

• Generate biosketches
• Generate publication, contact, compliance reports
• Help prepare data for T32 applications
• Help investigators find collaborators
• Help trainees find mentors
• Support social network analysis
• Create a record of the scholarship of the university
• Answer questions such as
  • What papers were published by UF authors in top 10 journals in 2013?
  • How many papers did the College of Medicine publish with each of the other colleges?
  • Who works with p53 gene? With 3',5'-Cyclic-GMP Phosphodiesterases?
• And much more
Search results for 'pulmonary hypertension' limited to type 'Faculty Member'

Mubarak Kamal K | Faculty Member
... For Pulmonary Hypertension Effect of Balloon Inflation Volume On Pulmonary Artery Occlusion Pressure in Patients With and Without Pulmonary Hypertension Exercise Capacity ...

Tonelli Adriano R | Faculty Member
... General Internal Medicine General Internal Medicine General Internal Medicine Pulmonary Hypertension Is Associated With Higher Mortality in Cystic Fibrosis ...

Han Chul | Faculty Member | Postdoc
... To Pulmonary Hypertension Genetic Ablation of the Bmpr2 Gene in Pulmonary Endothelium Is Sufficient To Predispose To Pulmonary Arterial Hypertension Differential Cpg ...

Alnuaimat Hassan Mari | Clinical Assistant Professor
... Studied for Pulmonary Hypertension Pulmonary Vasodilator testing and use of calcium channel blockers in pulmonary arterial hypertension. Pulmonary Vasodilator Testing ...

Bradford Chastity Nicole | Consultant | Faculty Member | Postdoc
... A novel strategic approach to pulmonary hypertensive therapy. Rosa26 Angiotensin-Converting Enzyme 2 (Ace2) Knock-in Mice Exhibit Normal Cardiac Function ...

Shenoy Katapadikar Vinayak | Pre- Doctoral student – Dept. of P’dynamics
... Myocardial Infarction in the Rat Diminazene Aceturate Improves Autonomic Modulation In Pulmonary Hypertension Evidence for Angiotensin-Converting Enzyme 2 ...

Qi Yanfei | Faculty Member | Postdoc
... Cardiopulmonary Protection Against Lung Fibrosis and Pulmonary Hypertension Prevention of Monocrotaline-Induced Pulmonary Hypertension By Lenti-Viral Mediated Gene Delivery ...
Hypertension, Pulmonary

Overview

subject area for

**A Review of Prostaglandin Analogs in the Management of Patients With Pulmonary Arterial Hypertension**

**Ace2, a Promising Therapeutic Target for Pulmonary Hypertension**

**Acute, Bilateral, Concurrent Central Retinal Artery Occlusion in Sickle Cell Disease After Use of Tadalafil (Cialis)**

**Cardiovascular Magnetic Resonance for the Assessment of Pulmonary Arterial Hypertension: Toward a Comprehensive Cmr Exam**

**Could uric acid be a modifiable risk factor in subjects with pulmonary hypertension?**

[more...]
ACE2, a Promising Therapeutic Target for Pulmonary Hypertension

Overview

authors

Shenoy Katapadikar, Vinayak
Qi, Yanfei
Katovich, Michael I
Rajzada, Mohan K

has subject area

Angiotensin-Converting Enzyme Inhibitors
Animals
ACE2, a Promising Therapeutic Target for Pulmonary Hypertension

Vinayak Shenoy¹, Yanfei Qi¹, Michael J Katovich², and Mohan K Raizada¹
¹Department of Physiology and Functional Genomics, University of Florida, Gainesville, FL, United States
²Department of Pharmacodynamics, University of Florida, Gainesville, FL, United States

Abstract

Pulmonary arterial hypertension (PAH) is a chronic lung disease with poor diagnosis and limited therapeutic options. The current available therapies are ineffective in improving the quality of life and reducing mortality rates. There exists a clear unmet medical need to treat this disease, which necessitates the discovery of novel therapeutic targets/agents for safe and successful therapy. An altered renin-angiotensin system (RAS) has been implicated as a causative factor in the pathogenesis of PAH. Angiotensin II, a key effector peptide of the RAS, can exert deleterious effects on the pulmonary vasculature resulting in vasoconstriction, proliferation and inflammation, all of which contribute to PAH development. Recently, a new member of the RAS, Angiotensin converting enzyme 2 (ACE2), was discovered. This enzyme functions as a negative regulator of the angiotensin system by metabolizing Angiotensin II to a putative protective peptide, Angiotensin(1-7). ACE2 is abundantly expressed in the lung tissue and emerging evidence suggests a beneficial role for this enzyme against lung diseases. In this review, we focus on ACE2 in relation to pulmonary hypertension and provide proof of principle for its therapeutic role in PAH.

Introduction

Pulmonary arterial hypertension (PAH) is a debilitating chronic disorder of the lungs characterized by sustained elevation of blood pressure in the pulmonary vasculature. The normal mean pulmonary arterial pressure in a healthy adult is about 14mm Hg at rest. However, in PAH, the resting mean pulmonary arterial pressure measures over 25mm Hg (and greater than 30mm Hg during exercise) [1]. PAH can either be of idiopathic origin with unknown etiology or, it can arise due to secondary medical conditions such as collagen vascular diseases, heart malformation or viral infections. Genetic and epigenetic risk factors have also been linked to PAH pathogenesis [2]. Regardless of the cause, PAH is associated with endothelial dysfunction, vasoconstriction and remodeling of the pulmonary vessels.
data visualization
CTSAsearch is a prototype demonstrating federated search using Linked Open Data published by members of the CTSA Consortium and other interested parties. To try it out, use the form below or click on the "CTSA Search" entry in the menu on the left to see a ranked list of matching investigators. Use the second form or click on the "CTSA Map" entry in the menu to visualize coauthorship amongst the matching investigators.

Search for Investigators at Multiple Institutions

- Display map
- Text only
- Text and UMLS concepts
- UMLS concepts (including support for boolean search using &, |, and !)

Current Status

- SPARQL endpoints queried: 10
- Institutions indexed: 19
- Total persons indexed: 124,945
- Total publications by those persons indexed as part of their profile: 1,325,716
- Total co-author pairs (two people on the same paper): 2,036,131
- The harvesting times listed below are the times required to interrogate the respective SPARQL endpoints and cache the results locally at Iowa.

Currently Harvested Sites

<table>
<thead>
<tr>
<th>Platform</th>
<th>Harvesting Time</th>
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</thead>
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<td></td>
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<tr>
<td>Currently Harvested Sites</td>
<td>Platform</td>
</tr>
<tr>
<td>------------------------------------------------------------------------------------------</td>
<td>-----------------------</td>
</tr>
<tr>
<td>Cornell University</td>
<td>VIVO</td>
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<tr>
<td>Duke University</td>
<td>VIVO</td>
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<tr>
<td>Harvard University</td>
<td>Profiles</td>
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<tr>
<td>Indiana University</td>
<td>SciVal Experts and VIVO</td>
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<td>Oregon Health Science University</td>
<td>SciVal Experts</td>
</tr>
<tr>
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<td>VIVO</td>
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<tr>
<td>University of California, Davis</td>
<td>SciVal Experts and VIVO</td>
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<td>Profiles</td>
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<td>University of Florida</td>
<td>VIVO</td>
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<td>University of Iowa</td>
<td>Loki</td>
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</tbody>
</table>

Note: sites in italics are currently harvested by means other than SPARQL queries on LOD.

**Indexed Content**

- **Persons** and their associated properties (name, research statement, etc.)
- **Academic Articles** for each person with associated properties. Where DOIs or PMIDs exist additional information is added from MEDLINE, including
  - Abstract
  - Keywords
  - MeSH terms
  - Chemicals
  - Genes

We currently use pmid2doi data from from crossref.org and pmid2doi.org to crosswalk DOIs to PMIDs.

We harvest linked open data through SPARQL endpoints using queries based on the VIVO ontology. If you would like to participate, contact Dave Fishman with details on how to access your SPARQL endpoint.
Search for Investigators at Multiple Institutions

- Text only
- Text and UMLS concepts
- UMLS concepts (including support for boolean search using &, |, and !)

Search for Investigator:
pulmonary hypertension

UMLS concepts recognized in your query:
- C0020542 - pulmonary hypertension
- C1963220 - pulmonary hypertension

Map view of this query

Search Results: pulmonary hypertension
Result Count: 1000

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<th>Score</th>
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<td>Victor Tapson</td>
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<td>Reginald Jenney Professor of Anaesthesia</td>
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<td>415-502-6390</td>
<td>7.34</td>
</tr>
</tbody>
</table>
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Phone: 415-502-6300
Email: jeff.fineman@ucsf.edu

Websites

Clinical Profile at UCSF Benioff Children's Hospital

Awarded Grants

Jeffrey Fineman, MD was the Principal Investigator (PI) or Co-Principal Investigator (Co-PI) for the following NIH grants.

Related Concepts
Nitric Oxide, Haart Defects, Congenital Hypertension, Pulmonary Endothelin-1, Pulmonary Circulation

Co-Authors
Datar, Sanjeev, Radman, Monique, Oishi, Peter, Soifer, Scott, Kellar, Robarta

Related Authors
Clyman, Ronald, Hennig, Charles
What Data is in VIVO?

- The organizational structure of the university. Departments, colleges, divisions, institutes, centers, ... N=913
- All Faculty, consultants, salaried TEAMs, Housestaff, Postdocs with current contact information, home department. N=53,897
  - People who have left UF remain in VIVO
- All papers written by any UF person since 2008. N=53,938
  - For PubMed papers – abstract, link to full text, MeSH terms, PMID, PMCID
- All grants awarded to any UF person since 2008. N=18,861
- All courses taught by any UF person since 2008. N=87,268
- Concepts associated with UF scholarship. N=18,413
- Posters, presentations, patents, software, books, seminars, book chapters, ...
Data on the VIVO Profile

- Name, title, photo, department
- Email, phone, address
- Web sites
- Positions
- Personal Overview
- Research Areas
- Memberships, service
- Publications
- Presentations
- Awards and Honors
- Patents
- Software
- Featured In
- Research Overview
- Research Activities
- Grants as PI, Co-I, Inv
- Teaching Overview
- Courses taught
- Education
- eRA Commons, ORCID
Automated Data

- Name, title, department
- Email, phone
- UF Positions
- UF Publications since 2008

Notes
- Name, title, department, email, phone come from the UF Directory and are updated weekly
- UF Position data comes from HR/PeopleSoft and is updated weekly
- UF Publication data come from Thomson-Reuters Web of Knowledge augmented by PubMed and is updated weekly. A list of recent publications is available
- UF Grant data comes from the Division of Sponsored Programs and is updated weekly
- UF Course data comes from the Office of the University Registrar and is updated after each term
Hand entered data on the VIVO Profile

Needed for Biosketch
- Education
- Patents
- Non-UF Positions
- Non-UF Publications
- Non-UF Grants
- Personal Overview
- Memberships, service
- Awards and Honors
- eRA Commons

Other
- Photo
- Software
- Featured In
- Research Overview
- Research Activities
- Teaching Overview
- ORCID
Frequently Asked Questions

• Where can I go for help?
  • Send question via VIVO contact http://vivo.ufl.edu/contact
  • Read help pages at http://vivo.ufl.edu/help

• How do I edit my own page?
  • Read the help pages. Sign on using GatorLink. Click pencil 🆓 to edit text, trash can 🗑️ to delete an item, plus 📚 to add an item

• How do I edit pages for others?
  • Contact VIVO and ask for edit permissions for others

• VIVO is slow. Is that normal?
  • Please let us know when VIVO is slow. We will repair

• Data is missing, wrong
  • We can work with automated data providers and editors to improve data

• VIVO doesn’t work
  • Please let us know what is wrong and we will work to fix it

• I can’t put x in VIVO
  • Please let us know. We can create new things that can be managed by VIVO

• It would be cool if VIVO could ....
  • Thanks! We work with people at more than 100 VIVO sites all over the world. Some may be working on the feature you would like and we can consider adding it to VIVO
Next Steps for VIVO

• Work with all departments of the AHC to enter additional data. May 2014
• Data entry of biosketch data elements for all faculty in the academic health center and all those with an NIH grant. Summer of 2014
• Data entry of all biosketch data elements for all new faculty to the academic health center. Summer of 2014
• VIVO 1.6. Support for research resources, web services, faster
• T32 table production – given spreadsheet of people associated with a T32 proposal, generate all tables for the proposal. Fall 2014
• VIVO expert finder – enter a concept, find related concepts and people. Drill down to papers. Fall 2014.
This presentation is available in VIVO

I’m available in VIVO

http://vivo.ufl.edu/individual/mconlon