Honoring Academic Invention and Innovation

State University System of Florida
Board of Governors
March 16, 2016
Inside Today’s Presentation

• Brief overview of the National Academy of Inventors

• Highlights of two innovative Florida researchers

• NAI Fellow Nan-Yao Su, University of Florida

• Richard Maulsby, U.S. Patent and Trademark Office

• Questions
Academic Innovation and the National Academy of Inventors

Founded in Florida in 2010 to:

• **Recognize and encourage** inventors with patents issued from the U.S. Patent and Trademark Office

• Academic collaborator of the **USPTO**

• Enhance the **visibility** of academic technology and innovation

• Encourage the **disclosure** of intellectual property

• Educate and **mentor** innovative students

• Translate the inventions of its members to **benefit** society

“The NAI is a breakthrough for our country. It couldn't be more timely to have an organization like this to be championing innovation.“ - David Kappos, Former Under Secretary of Commerce
Public

• Florida A&M University
• Florida Atlantic University
• Florida Gulf Coast University
• Florida International University
• Florida Polytechnic University
• Florida State University
• H. Lee Moffitt Cancer Center & Research Institute
• Institute for Human and Machine Cognition
• New College of Florida

• University of Central Florida
• University of Florida
• University of North Florida
• University of South Florida
• University of West Florida

Private

• Embry Riddle Aeronautical University
• Florida Institute of Technology
• Sanford Burnham Prebys Medical Discovery Institute
• St. Thomas University
• University of Miami
CONSIDERATION OF TECHNOLOGY TRANSFER IN TENURE AND PROMOTION

Judy Genshaft, †Jonathan Wickett, † Bernadette Gray-Little, § Karen Hanson, † Richard Marchase, † Peter E. Shiffer, # and R. Michael Tanner**

*University of South Florida, Tampa, FL, USA
†Iowa State University, Ames, IA, USA
‡University of Kansas, Lawrence, KS, USA
§University of Minnesota, Minneapolis, MN, USA
¶University of Alabama, Birmingham, Birmingham, AL, USA
#University of Illinois at Urbana-Champaign, Urbana, IL, USA
**Association of Public and Land-grant Universities, Washington, DC, USA

Universities face increasing expectations from both the public and elected officials to contribute to the economic development of their respective states, geographical regions, and the country. Technology transfer activities have proven to be a key way to meet these new imperatives. Despite the university’s expanded mission and the growing role of such transfer, the academic community has yet to produce a consistent framework for evaluating faculty activities in technology transfer and their societal benefits. In response to this situation, the authors, working as the APLU Task Force on Tenure, Promotion, and Technology Transfer, surveyed US and Canadian universities to ascertain current approaches for defining technology transfer activities and recognizing them in assessing faculty performance. Building on the results of that survey, the authors offered the following five recommendations: 1) university policy statements should acknowledge the merit of technology transfer as part of the university’s work, while including safeguards against conflicts of interest or commitment; 2) technology transfer activities should be explicitly included among the criteria relevant for promotion and tenure at the university, college, and department levels, as appropriate to the respective disciplines; 3) technology transfer activities should be an optional component of the review process, one that will be rewarded when present but not seen as a requirement for everyone; 4) recognizing the unique character of technology transfer, the criteria should be flexible enough to encompass high-quality work in many forms of creative expression; and 5) technology transfer activities should be evaluated for...
191 NAI Member Institutions

- In 44 U.S. states & Washington, D.C.
- Twelve countries worldwide
- Over 3,000 Individual Members and Fellows
• **582** Fellows, representing **192** universities & nonprofit research institutes
• **20,000+** U.S. Patents, collectively
• **80+** presidents & senior leaders of research universities
• **27 Nobel** Laureates
• **310** members of the other National Academies
• **36** recipients of U.S. National Medal of Technology and Innovation and Medal of Science
• Many other awards and distinctions
52 NAI Fellows from Florida

Bass, Michael
Batarseh, Issa
Bergeron, Raymond J.
Bhansali, Shekhar
Byrne, Robert H.
Chacour, Selim A.
Clancey, William J.
Curtiss III, Roy
Dalton, William S.
Delfyett, Peter J.
Dennis, Donn M.
Eddy, David M.
Fields, Gregg B.
Ford, Kenneth M.
Fountain, Michael W.
Gitlin, Richard D.
Glebov, Leonid B.
Goswami, D. Yogi
Gross, Clifford M.
Hansen, Barbara C.
Houghten, Richard A.
Ingram, Lonnie O.
Iyengar, S. Sitharama
Jove, Richard
Khizroev, Sakhrit
Larbalester, David C.
Letson, G. Douglas
Li, Guifang
Liggett, Stephen B.
List, Alan F.
Martin, Dean F.
Mensah, Thomas O.
Mohapatra, Shyam
Moudgil, Brij M.
Norton, David P.
Poirier, Victor L.
University of Central Florida
University of Florida
Florida International University
University of South Florida
Institute for Human and Machine Cognition
University of Florida
Moffitt Cancer Center & Research Institute
University of Central Florida
University of Florida
University of South Florida
Florida Atlantic University
Institute for Human & Machine Cognition
University of South Florida
University of South Florida
University of Central Florida
University of South Florida
University of South Florida
University of South Florida
University of South Florida
Torrey Pines Institute for Molecular Studies
University of Florida
Florida International University
Nova Southeastern University
Florida International University
Florida State University
Moffitt Cancer Center & Research Institute
University of Central Florida
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University of South Florida
Florida State University
University of South Florida
University of Florida
University of Florida
University of Florida
University of Florida
University of South Florida
University of Florida
University of Florida
Florida State University

Progulske-Fox, Ann
Rappaport, Alain T.
Sanberg, Paul R.
Sawyer, W. Gregory
Schally, Andrew V.
Seal, Sudipta
Sebti, Said M.
Simaan, Marwan A.
So, Franky
Soileau, M. J.
Su, Nan-Yao
Weissbach, Herbert
Wu, Shin-Tson
Wynne, James J.
Yamamoto, Janet K.
Zheng, Jianping (Jim) P.
University of Florida
Institute for Human and Machine Cognition
University of South Florida
University of Florida
University of Florida
University of Miami
University of Central Florida
Moffitt Cancer Center & Research Institute
University of Central Florida
University of Florida
University of Florida
University of Central Florida
University of Florida
University of Florida
University of Florida
University of South Florida
University of Florida
Florida State University
## NAI Fellows Recognition

### Academic Analytics

### 2012 Database (AAD 2012) Awards List

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<td>SUMMER STIPENDS AWARDS</td>
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Date: February 25, 2016
Honoring the 168 Inducted Fellows

Former U.S. Commissioner for Patents
Holding the Fellows Plaque
Merry Lynn Morris, Inventor of the Rolling Dance Chair, University of South Florida
Nan-Yao Su, Inventor of the Sentricon® System, University of Florida