

Appendix 1

Subsection (14) (e)

Information on the amount and nature of economic activity generated through the activities of the grantee.

The Economic Impacts of Scripps Florida on Florida's Economy

October 1, 2009 - September 30, 2010

**Prepared by the
Business Development Board of
Palm Beach County, Inc.
for the
Scripps Florida Funding Corporation**



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Introduction

This analysis is designed to fulfill the requirements of Subsection 14(e) of the 2010 Scripps Florida Funding Corporation Annual Report to the State of Florida Governor and Legislature.

Purpose: Estimate the economic impacts of the activities of the Scripps Florida facility on the State of Florida during its seventh fiscal year of operation that covers the period October 1, 2009 to September 30, 2010.

The analyses for the first four fiscal years were conducted by Enterprise Florida, Inc. (EFI), while the fifth and sixth fiscal years analyses were conducted by the Business Development Board of Palm Beach County, Inc. (BDB), and this analysis will follow a similar format as that established by EFI to address Subsection 14(e) of the Scripps Florida Funding Corporation's (SFFC) Annual Report to the Florida Governor and Legislature. This analysis was conducted by the staff of the BDB at the request of SFFC. It is based on information and data provided to the BDB from SFFC and uses the IMPLAN economic impact model, as was used in prior analyses by EFI and the BDB. The purpose of this analysis was to estimate the quantifiable economic impacts of Scripps Florida's activities in the State of Florida during its seventh fiscal year in operation, based on the expenditures made by Scripps Florida or its partners, Palm Beach County and Florida Atlantic University.

This analysis makes no attempt to project future economic impacts or benefits on the State of Florida or Palm Beach County, nor does it attempt to estimate or project non-quantifiable benefits or impacts to Florida or Palm Beach County.

As previously stated, this report follows a similar format as the one established by EFI in initial analyses. As such, this report will include sections that provide information on economic impact analysis and the model, IMPLAN, used to estimate impacts, the methodology used to conduct this analysis, results of the IMPLAN model, and a brief description of the impacts that this analysis does not attempt to estimate.

Economic Impact Analysis Using IMPLAN

Economic impact analysis estimates the changes in economic output (gross domestic product), employment, personal income (labor compensation and proprietors' income), property income (rents), and tax revenues that result from changes in demand for products or services in a given study area (referred to as an event). Impacts can be measured for zip codes, counties, states, or the entire country.

Due to the importance of Scripps Florida to the State of Florida, as being a world class research institute that has positioned Florida as an emerging focal point for the life sciences, this analysis will estimate the economic impacts to the entire State of Florida resulting from Scripps Florida operations. However, the majority of the benefits from Scripps Florida are likely concentrated in Palm Beach County and the surrounding region.

The IMPLAN model is a recognized industry leader in the United States and is used by many organizations from federal agencies to private consultants for economic impact analysis.

This analysis uses many of the default settings and features of the standard IMPLAN model. In accordance with the circumstances stipulated by Scripps Florida and in keeping with the format of prior analyses by EFI, this analysis reports the economic impacts of Scripps Florida in two different categories.

First, the IMPLAN model quantifies four categories of impacts: **employment**; **personal income**; **economic output** (gross domestic product); and **tax revenues**. **Employment** refers to the number of full-time jobs created in the study area due to the presence of Scripps Florida. **Personal Income** includes all forms of labor compensation and proprietors' income that are injected into the economy of the study area as a result of Scripps Florida. **Economic Output (Gross Domestic Product)** is the increased amount of total economic output in the study area that results from the change in employment and value added created by the presence of Scripps. Lastly, **tax revenues** refer to the additional fiscal revenues generated by state and local governments (such as sales taxes, property taxes, and other excise taxes and fees) resulting from the increased economic activity due to Scripps.

Second, there are three rounds of effects that are analyzed. Each round is classified as a separate category or effect. The first round produces the **direct effects**, which include the economic impacts to the four categories stated above that result from the facilities-related activities and operations of Scripps Florida itself, such as the number of jobs created by Scripps to work in the new facility or the change in employment by the companies hired by Scripps to provide goods or services. Next come the **indirect effects**, which include interindustry changes in demand resulting from the facilities-related activities and operation of Scripps or the goods and services required by companies hired by Scripps for the facilities or operations. Lastly, the **induced effects** are measured, which are the increases in economic activity stemming from the expenditures by the households of the employees hired by Scripps or the companies used for the facilities-related activities and operations or businesses indirectly influenced by the presence of Scripps.

The presence of direct effects, indirect effects, and induced effects result from what is referred to as the *multiplier effect*. The multiplier effect occurs, because every time a purchase is made in any sector of the economy, additional spending is created through direct, indirect, and induced effects. This happens over and over many times. Essentially, when one person or company spends money, it enables another person or company to spend money and so on, creating a chain of new spending by other people or companies.

Previous analyses estimated a third category that distinguished between the Scripps Florida's Operational Impacts and Facility-Related Impacts. However, this analysis focuses only on the operations, since construction was completed prior to the beginning of the fiscal year under analysis.

Scripps Florida's Operational Impacts. These impacts result from the operations of Scripps Florida during its seventh fiscal year. The operational impacts include Scripps payroll expenditures (for scientists and professional and support staff), expenditures for laboratory equipment, office supplies, information technology, utilities, and various other business services and operational expenses.

Methodology

The results of an economic impact analysis are reliant upon the primary data and assumptions used in the model. In this analysis, the BDB has relied on data provided by the Scripps Florida Funding Corporation. The data provided include all known expenditures by Scripps Florida and its partners (Palm Beach County and Florida Atlantic University) during the fiscal year October 1, 2009 to September 30, 2010.

All expenditures data obtained were input into the IMPLAN model, with the appropriate NAICS-based IMPLAN industry codes for each line item expenditure. The line items were then aggregated based on their features to achieve the quantifiable impacts mentioned in the previous section.

No data on actual job creation by Scripps Florida's activities were provided, and therefore no employment data were input into the IMPLAN model. However, expenditures for salaries and benefits were provided by Scripps, and these were included in the model using the IMPLAN industry code for payroll compensation, which allowed the model to estimate direct employment levels throughout the fiscal year. Therefore the estimated employment impacts generated by IMPLAN should be interpreted as the average annual full-time employment created in the State of Florida in various occupations and companies due to the presence of Scripps Florida, and may in fact not be the actual employment of Scripps Florida or any other entity affected by the presence of Scripps at any time during the fiscal year analyzed.

Since this analysis is focused on the single fiscal year of October 1, 2009 to September 30, 2010, the IMPLAN model does not attempt to differentiate between recurring and one-time impacts. As stated previously, Scripps moved into its permanent facilities during the 2008-2009 fiscal year, so any jobs or other impacts associated with the construction and design of Scripps permanent facility will likely diminish or disappear entirely in future years. Additionally, impacts associated with the operations of the Scripps facility can recur each year. However, this study is only concerned with impacts in fiscal year 2009-10.

This analysis relied upon the default assumptions built into the IMPLAN model. This analysis used the assumptions in the IMPLAN model to determine the amount of expenditures and activity that affected the State of Florida due to the presence of Scripps Florida by estimating the amount of goods and services that are demanded from domestic sources versus sources in other states. The data used for the IMPLAN model's assumptions are derived from US Federal Government databases.

Fiscal impacts were also estimated by the IMPLAN model, which differentiates between federal and state and local tax revenues. This analysis maintains the state and local tax revenue impacts established in the previous analyses by EFI. In previous analyses, EFI assumed that all tax revenues obtained through vehicle licensing fees go to the State of Florida, whereas property taxes are paid to local governments. The sales tax receipts are split between the state and local governments, where the State of Florida receives 92.3 percent of all sales tax revenue and the local governments receive anything above that due to the local option of an additional 0.5 percent above the six percent State of Florida Sales and Use Tax. The IMPLAN model does not differentiate the split in sales tax, so it is possible that the amount of sales tax collected is overstated for the State of Florida and understated for the counties and municipalities.

The primary expenditures data provided by Scripps Florida Funding Corporation (SFFC) for use in the IMPLAN model are provided in the table below.

Scripps Florida - Related Expenditures, SFFC's FY 2009-2010	
Expenditure Line Item	Amount
Operational:	
Scientist Salaries & Benefits	\$6,907,498
Supplies	\$2,677,568
Scientific Equipment	\$5,748,559
External Affairs & Other Program Support	\$1,351,032
Salaries & Benefits (non-scientist)	\$7,694,408
Professional Services	\$849,927
Supplies	\$860,777
Purchased Services	\$3,016,299
Business Meetings	\$276,019
Subscriptions	\$186,419
Other	\$2,050
Allocations from California	\$1,641,474
Facilities (Insurance, Utilities, Maintenance)	\$5,094,611
Other Capital Expenditures	\$846,045
Administrative Expenses Recovered from Third Parties (IDC)	-\$12,309,792
Subtotal Operational	\$24,842,894
Total Scripps-Related Expenditures in FY 2009-2010	\$24,842,894

Source: Scripps Florida Funding Corporation

IMPLAN Model Results

The table below summarizes the results of the IMPLAN economic impact model that was run for Scripps Florida, SFFC's fiscal year 2009-2010. The results that follow illustrate the total economic impacts to the State of Florida due to the presence of Scripps Florida in Palm Beach County, based on the data provided by the SFFC.

The Economic Impacts of Scripps Florida on the State of Florida, SFFC's FY 2009-2010				
Type of Impact	Direct	Indirect	Induced	Total
Employment Impact	69	40	181	290
Operational	69	40	181	290
Personal Income Impact	\$7,936,882	\$2,781,982	\$11,995,116	\$22,713,979
Operational	\$7,936,882	\$2,781,982	\$11,995,116	\$22,713,979
Output (Gross Domestic Product)	\$13,256,032	\$4,899,257	\$21,997,300	\$40,152,589
Operational	\$13,256,032	\$4,899,257	\$21,997,300	\$40,152,589
Tax Revenues	\$821,701	\$169,763	\$1,290,268	\$2,281,732
Operational	\$821,701	\$169,763	\$1,290,268	\$2,281,732
<i>Breakdown of Tax Revenues Between State & Local Gov't</i>				
State of Florida	\$300,737	\$64,313	\$460,050	\$825,100
Local Governments (County & Municipal)	\$520,962	\$105,450	\$830,218	\$1,456,630

Note: The estimated totals may not add up exactly due to rounding off to the nearest whole dollar or employee.

Each of the impact types are summarized below.

Employment Impact. The presence of Scripps Florida assisted in sustaining an estimated 290 jobs statewide. It is important to note that those jobs were not necessarily created during the FY 2009-2010, where some may have carried over from previous fiscal years, while some were also created during the fiscal year of the study. Therefore, it would not be correct to add results from previous fiscal years' analyses to this one. It is also important to note that many of the scientists at Scripps Florida get outside funding for salaries and staff that do not appear in this analysis, therefore there are likely more jobs that are sustained by Scripps Florida than what appear in this analysis.

Direct. This analysis reports the total direct impacts. During the SFFC's Fiscal Year 2009-2010, Scripps Florida had a total direct employment impact of 69 full-time jobs.

Indirect and Induced. An additional 221 jobs were supported throughout Florida as a result of indirect and induced effects from Scripps Florida's operations.

Income Impact. The total personal income impact of Scripps in the SFFC's seventh fiscal year was \$22,713,979.

Direct. The activities of Scripps Florida and the companies it hired for services were directly responsible for contributing to an influx of \$7,936,882 of personal income into Florida's economy.

Indirect and Induced. The multiplier effect led to an additional \$14,777,097 in personal income in the Florida economy.

Output (Gross Domestic Product) Impact. Scripps Florida added \$40,152,589 to Florida's gross domestic product (GDP).

Direct. The operational activities of Scripps Florida directly contributed to adding \$13,256,032 to Florida's GDP.

Indirect and Induced. The multiplier effect led to the addition of \$26,896,557 to Florida's GDP.

Fiscal Impact. The total *estimated* fiscal revenues to State and local governments due to the presence of Scripps Florida in its seventh fiscal year amounted to \$2,281,732.

Direct. The operational activities of Scripps Florida directly contributed to an estimated \$821,701 in tax revenues to state and local governments.

Indirect and Induced. The multiplier effect from the activities of Scripps Florida led to an additional \$1,460,031 in estimated tax revenues for state and local governments.

The approximate breakdown between estimated tax revenues for the State of Florida and the local governments was:

State Taxes. The estimated tax revenues that went to the State of Florida as a result of Scripps Florida were \$825,100.

Local Taxes. The estimated tax revenues that went to the local governments (county and municipal) in Florida as a result of Scripps Florida were \$1,456,632.

Economic Impacts Outside of the Model

This analysis has focused on the economic impacts of Scripps Florida on the economy of the State of Florida during SFFC's seventh fiscal year of activities, October 1, 2009 - September 30, 2010. It is important to note that the IMPLAN model can only estimate the quantifiable economic impacts, such as employment, personal income, output, and tax revenues, to a geographical area based on changes in demand for goods or services caused by an event. Therefore, the model is not capable of measuring the qualitative economic benefits of an event, such as the presence of Scripps Florida, that could positively affect the economy of Florida. While the qualitative benefits are important, they may only become evident after a number of years or may influence quantifiable impacts in future analyses.

Appendix 2

Subsection (14) (f)

An assessment of factors affecting the progress toward achieving the projected biotech industry cluster associated with the grantee's operations, as projected by economists on behalf of the Executive Office of the Governor

This subsection was completed with information provided by:

BioFlorida is Florida's bioscience industry association, operating as a 501(c)(6) not-for-profit organization and representing the biotechnology, pharmaceutical and medical device industries. The association serves to advance innovations in healthcare, agriculture and energy with more than 200 members. Members of the association include research and development companies and institutions, drug delivery and diagnostic companies, clinics and hospitals, academia and service providers such as law firms, economic development organizations and financial corporations. BioFlorida is the state affiliate of the Biotechnology Industry Organization (BIO) and partners with numerous state and international organizations.

Workforce Alliance, Inc. is a nonprofit corporation chartered by the State of Florida. The organization operates a workforce development system in Palm Beach County that is responsive to the needs of both business customers and job seekers. Together with leaders from business, government, education and community agencies, Workforce Alliance links businesses in need of qualified employees with individuals seeking employment opportunities. Workforce Alliance operates three Career Centers (South, Central and West) and two Professional Placement Network locations in Palm Beach County. The organization administers an annual budget of approximately \$20 million.

Institute for Commercialization of Public Research ("Institute") was founded in 2007 as a non-profit organization. The Institute is Florida's One-Stop-Shop for investors and entrepreneurs who seek to identify new opportunities based on technologies developed through publicly-funded research. The Institute facilitates new venture creation through commercially-viable technologies in major industries that are driving the global economy. The Institute also administers the Florida Research Commercialization Matching Grant Program.

Enterprise Florida, Inc. ("EFI") is the public-private partnership responsible for leading Florida's statewide economic development efforts. The organization's mission is to diversify Florida's economy and create better paying jobs for its citizens by supporting, attracting and helping to create businesses in innovative, high-growth industries. EFI focuses on high-value sectors such as: life sciences, information technology, aviation/aerospace, homeland security/defense and financial/ professional services. EFI works with a statewide network of regional and local economic development organizations to continually improve Florida's business climate and ensure its global competitiveness.

The Business Development Board of Palm Beach County, Inc. (“BDB”) is a public-private partnership established in 1982 to be the official economic development organization for Palm Beach County. It is a non-profit organization that is funded in part by the Palm Beach County Board of County Commissioners and in part by private corporate members. BDB is the official partner of Enterprise Florida, Inc. in Palm Beach County.

Palm Beach State College (“PBSC”) is Florida's first public community college. Established in 1933, PBSC has been recognized as a premier two-year institution, lauded for achievement at the local, state and national level. PBSC has over 48,000 students enrolled in over 100 programs of study. Currently, PBSC offers an Associate in Science degree, Associate in Arts degree and a College Credit Certificate in Biotechnology. PBSC has four campuses in Palm Beach County: Belle Glade, Boca Raton, Lake Worth and Palm Beach Gardens.

Town of Jupiter (“TOJ”) is located in northern Palm Beach County and is the home of Scripps Florida’s permanent facility. In 2006, the town established a \$3 million economic development fund in support of an interlocal agreement with Palm Beach County. TOJ also established an advisory board, which provides recommendations regarding the distribution of the funds. The Board oversees funding for the Northern Palm Beaches including Mangonia Park, Riviera Beach, Jupiter, North Palm Beach, Palm Beach Gardens and Lake Park.

Following is a summary of contributions submitted by organizations responsible for developing the biotech cluster in South Florida in 2009-2010.

BioFlorida

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About BioFlorida

BioFlorida is Florida's bioscience industry association, operating as a 501(c)(6) not-for-profit organization and represents the biotechnology, pharmaceutical and medical device industries. The organization was established in 1997 to unite and support a small group of biotechnology entrepreneurs. Today, the organization has grown to represent a broad range of companies and institutions in various sectors of bioscience technology. Membership within the organization includes dozens of partner organizations committed to supporting the industry. BioFlorida's programs and events are designed to bring like minds together. Statewide activities offer a platform for discussion of industry issues, a forum for peer discussions, and networking for enhancement of existing businesses.

As the voice of Florida's bioscience industry, BioFlorida represents more than 200 member companies and research organizations in the biotechnology, pharmaceutical and medical device fields. Members include biomedical R&D companies, medical device manufacturing, clinics and hospitals, academia, government and non-profit organizations, and industry services/products. In 2010, the BioFlorida Institute was established to provide support for K-12 science education, workforce development programs, professional training, and industry and research information.

Supporting the Industry

As the catalyst for growth -- and the central resource for the Florida bioscience industry -- BioFlorida provides its members with access to the resources needed to succeed in the state, a strong marketing presence and a voice for issues related to the bioscience industry. The association's initiatives serve to support and/or improve:

- Research and Commercialization
- Access to Capital
- Infrastructure (Real Estate, Facilities Permitting, Environmental Concerns)
- Education and Workforce Development
- Access to Industry Products & Services
- Public Policy

Accomplishments/ Milestones

BioFlorida upholds Florida's vibrant bioscience community by providing advocacy, business development and networking forums. The association's six regional chapters spanning the state are led by chairs serving in eight cities. BioFlorida's policy efforts are well established in Tallahassee and DC with a comprehensive set of legislative priorities, a well-attended BioFlorida Day held in the state capital, district tours for policymakers and fly-ins for advocacy at the federal level. Continued support from the State Legislature is led by the Biotechnology Caucus co-chaired in 2010 by Senator Thad Altman and Representative Bill Galvano. Numerous BioFlorida legislative priorities passed in 2010 to assist the growing bioscience industry including a small business matching grants program, funding for the Innovation Incentive Fund and funding for biomedical research grants. At the federal level, BioFlorida supported the

Qualified Therapeutic Discovery Project, which awarded more than \$26M in grants to 77 Florida-based bioscience companies.

BioFlorida hosted the Florida Pavilion at the BIO International Convention held May 3-6 in Chicago. More than 15 Florida-based companies and organizations were represented in the Florida Pavilion and the conference boasted more than 15,000 attendees from 65 countries and 49 states.

And in October 2010, BioFlorida had its Annual Conference in Ft. Lauderdale with over 450 individuals in attendance. BioFlorida's regional chapters hold quarterly networking events with scientific presentations showcasing Florida research and developments. These events facilitate business and financial partnering opportunities, research collaborations and industry advancements.

BioFlorida Institute for Science Education & Workforce Development

In early 2010, BioFlorida's Board of Directors approved the formation of the BioFlorida Institute as a 501(c)(3) foundation to build on the state's existing infrastructure and services to the bioscience industry. The launch of the Institute will connect Florida's life science assets through a shared resource center. This center will offer science workshops in conjunction with local school districts, continuing education programs, teacher and student internships, CEO roundtables, an industry library and resource center, and business planning workshops.

The Institute steering committee, led by Dr. Harry Orf from Scripps Florida, is finalizing the initial paperwork and putting programs and directors in place. Funding for the Institute will come from state and federal grants, corporate and private philanthropy, national, state and community foundations, and BioFlorida individual/company donations.

With the establishment of the Institute, Florida's life science cluster will continue to flourish. The BioFlorida Institute will leverage the current investment of the life sciences industry and its available expertise. Ultimately, the result of a successful education foundation will be the creation of a unified, cohesive environment that can sustain Florida's investments in the life science industry.

Workforce Alliance, Inc.

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During the period October 1, 2009 to September 30, 2010, Workforce Alliance continued its work engaging and promoting the life sciences industry in Palm Beach County and the greater Southeast Florida region. We accomplished this by targeting the industry as part of our mission to drive economic growth.

Work we have accomplished to this end:

1. Provided customized training grants for life science companies such as Sancilio & Company, Cytonics, Anspach Effort and Biotest.
2. Served on the Conference Planning Committee for BioFlorida's Annual Conference held in Ft. Lauderdale, FL.
3. Worked with Scripps Florida to coordinate two pre-conference sessions – one for post-docs & Ph.D. students and a second for employers - at the 2010 BioFlorida Conference.
4. Work with Scripps Florida and local life science companies to post job openings.
5. Established a repository of personality, skill and trait assessments to assist life science and other employers with candidate screenings.
6. Recruit and match executive, mid- and entry level talent for open positions at life science companies.
7. Served on the FAU's Advisory Council for the Master's in Business Biotechnology Degree, a terminal degree being planned for those majoring in the biological sciences who prefer to pursue the business side of the life sciences.
8. Served as member of the Banner Center for Biotechnology's Advisory Council until the Center's contract expiration on June 30th, 2010. The Banner Center was an initiative of the Agency for Workforce Innovation and was located at the University of Florida in Gainesville, FL.
9. Serve as member of the BioFlorida Southeast Chapter Leadership Team. This team plans events to unite and promote the life sciences industry in Palm Beach County and Southeast Florida from the Treasure Coast to Miami-Dade County.

Florida Institute for the Commercialization of Public Research

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Institute Background and Programs

The Institute was formed during the 2007 legislative session to create new companies and high-skill, high-wage jobs based on publicly-funded research throughout the State of Florida. The Institute supports universities and research institutes as drivers of economic growth by leveraging \$1.8B research investment (2009) for maximum impact – new companies and jobs created in Florida’s targeted industries.

- The Institute has a strong technical capacity and activities well underway and producing results.
 - Efficient process in place that identifies promising technologies and matches them with experienced management.
 - 18-member Investor Advisory Board screens Institute projects to determine commercial viability and qualification for acceptance into Institute programs.
- Extensive connectivity to the state’s public universities, private research institutions, state economic development leadership and entrepreneur networks.
- Designated by the Florida Legislature in 2010 to administer \$3 million *Commercialization Matching Grant Program* which matches Federal SBIR and STTR awards with State funding. The Institute began collecting applications in summer 2010 and the program launched officially in fall 2010. One-time awards of up to \$50,000 for Phase I and up to \$250,000 for Phase II grants are awarded for qualifying applicants who have previously received Federal SBIR or STTR Phase I or Phase II grant awards. Grants for Phase I applicants must have been awarded on or after January 1, 2010. Grants for Phase II applicants must have been awarded on or after January 1, 2009, and all applicants must have an active grant project underway.

The Matching Grant Program is designed to be a catalyst for small or start-up companies that can take advantage of federal and state grant funding in order to accelerate their growth and market penetration by helping to overcome the funding gap faced by many small companies. The grant, established by Florida’s Office of Tourism, Trade and Economic Development (OTTED) and Enterprise Florida, is administered by the Florida Institute for the Commercialization of Public Research.

- Selected by Enterprise Florida, Inc. (EFI) in 2010 as the primary organization to screen potentially qualified companies for EFI’s \$1M Seed Funding Program. Program launched August 2010.

- Complements existing programs that focus on early research & development activities or later-stage company growth (SURCAG, Bankhead-Coley & King, Economic Gardening, etc.).

Outcomes

- Increased number of high-wage, high-skill jobs – 5,700 direct jobs; 19,950 indirect jobs; \$36M in tax revenue
- Increased external capital flowing into Florida
- Increased investment in Florida-based companies (Florida currently attracts less than 5% overall VC investment)
- Attraction and retention of top business talent and companies

Representative Projects

- Technologies are paired with management and capital throughout the state, resulting in connectivity between Gainesville, Orlando, Tampa, Tallahassee, Jacksonville, Jupiter, Boca Raton, and Miami.
- Nanophotonica – technology developed at University of Florida paired with a CEO in Orlando. Company has raised in excess of \$300,000 in public and private funds.
- GLG Pharma – technology developed at H. Lee Moffitt Cancer Center & Research Institute paired with CEO in Jacksonville. Company has raised in excess of \$1.5M in public and private funds – research activities re-located to Town of Jupiter.
- Powers Device Technologies – technology developed at Florida State University paired with a CEO in Jacksonville. Company has raised in excess of \$300,000.
- Over 2 dozen active projects underway, connecting technologies, entrepreneurs and funding sources across the state.

Business Development Board of Palm Beach County

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During 2009-2010 the Business Development Board (BDB) maintained strong links to the life science industry, ensuring that issues that arose that would adversely affect Palm Beach County's attractiveness were addressed. The BDB's Life Science Strategic Steering Group (LSSSG) met several times throughout the year to monitor the development of the industry, to begin to articulate a value proposition for Palm Beach County's cluster of companies and to learn about new funding sources that became available throughout the year. BDB made companies throughout the region aware of an initiative under the health reform that passed Congress that awarded companies R&D tax credits or grants for innovative programs that could contribute to the curing of cancer, or the lowering of the price of pharmaceuticals.

BDB staff attended BIO 2010 in Chicago, IL in collaboration with BioFlorida, Enterprise Florida and area companies. Meetings were held with companies from many different countries and regions of the US to discuss the possibility of relocation or expansion into Palm Beach County.

The trend of this trade show/convention has been toward more economic development officials being represented on the floor of the convention as opposed to scientists and corporate leaders and thus, the BDB is looking for more effective ways of reaching its target audience for 2011 and beyond.

BDB staff took part in the planning of BioFlorida's annual conference to take place in Fort Lauderdale in October 2010.

The Business Development Board's continuous efforts in making Palm Beach County an attractive place for life science companies to relocate to and expand in paid off in 2010. The BDB worked with six companies established their corporate offices in Palm Beach County in the life science space:

Institute for Healthy Living, Life Science & Research	Jupiter	220 jobs
ChemPep	Wellington	5 jobs
Woodfield Distribution	Boca Raton	39 jobs
CHS Pharma	Jupiter	25 jobs
GLG Pharma	Jupiter	4 jobs
SurgiTrace	Boca Raton	39 jobs

Throughout Palm Beach County the county and municipal governments have maintained their interest in developing a sustainable life science cluster and the BDB has engaged with many partners to ensure that infrastructure is developed to create an attractive environment for entrepreneurs to establish their life science (and other) companies while creating high paying jobs and creating new inventions to better the human condition. In particular, BDB staff continued to support the staff of the Town of Jupiter in its efforts to nurture the life sciences around Scripps Florida and Max Planck. The Town established a \$3 million fund in 2006 and has loaned money to companies in the industry after an application process and review by an

Advisory Board. BDB has worked with staff to analyze applications and provide economic impact analyses of the plans.

Palm Beach Community College

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Biotechnology Program

Palm Beach State College (PBSC) presently offers an Associate in Science degree, Associate in Arts degree and a College Credit Certificate in Biotechnology. The Biotechnology Program is embarking on its fifth year with over 118 biotechnology majors. The program continues to work closely with industry and institutional partners to deliver an innovative work-force specific curriculum. The faculty is comprised of experienced scientists involved in academic research or local bioscience companies. Several Scripps Florida scientists serve as Adjunct Professors in the Biotechnology Program and provide valuable input regarding curriculum development. PBSC continues its paid internship program where students complete a research project in a research or industrial laboratory. The program currently offers over thirty different internship opportunities for its graduates and has successfully placed graduates in full-time employment.

Workforce Training and Education: Employ Florida Banner Center for Life Sciences

With funding from Workforce Florida, Inc., Palm Beach State College (PBSC) has been chosen to establish the Employ Florida Banner Center for Life Sciences. Banner Centers are part of Workforce Florida's strategic plan to modernize its workforce to meet current and future needs of the state. As a Banner Center for Life Sciences, PBSC will develop state-of-the-art, industry-driven curriculum products and services to be deployed statewide in various training and education centers. Modules will be developed with the guidance of representatives from life science industry sectors to support the pipeline of workers needed for current and future employment demands. The overall objective is to create a workforce that is strategically educated to become leaders in a 21st century global economy. The Banner Center for Life Sciences will function as a resource for all educational institutions, economic development organizations, and Regional Workforce Boards in the state, and will provide leadership in the ongoing process of developing products and services to enable Florida's workforce increased competitiveness in the identified Life Sciences industry.

Math and Science Summer Institute

PBSC has expanded its Math and Science Summer Institute (MSI) for high-achieving high school students. The Biotechnology Track integrates honors-level Biotechnology and Biostatistics and infuses real-world applications and hands-on laboratory experience. Notable MSI activities include guest lectures, tours of Scripps Florida research laboratories, career panel discussions, and participation in the Astronaut Training Experience at NASA's Kennedy Space Center. The Math and Science Summer Institute was awarded the 2010 Florida Best Practices Award by the Florida State College System.

Economic Development

PBSC's Biotechnology Program is embarking on its second economic development project with the Town of Jupiter. PBSC acquired funding from the Town of Jupiter Economic Development Fund to create a technology incubator at PBSC's Palm Beach Gardens campus. Under this pilot program, the College provides laboratory space and equipment for scientists to perform proof-of-concept experiments and conduct business start-up activities. PBSC hosted its first tenant, ACAM Laboratories, a microbiology food testing service provider in 2009 and is presently negotiating its second contract with a local biotechnology company.

Town of Jupiter Economic Development Fund

In 2006, the Town of Jupiter established a \$3 million economic development fund in support of an interlocal agreement with Palm Beach County. The fund's purpose is to support economic development and growth that generates jobs for north county residents. Following the establishment of the fund, Jupiter's Town Council also established an advisory board, which provides recommendations regarding the distribution of the funds. The Board oversees funding for the Northern Palm Beaches (Mangonia Park, Riviera Beach, Jupiter, North Palm Beach, Palm Beach Gardens, Lake Park).

The eight member Board meets monthly to review applications and monitor progress on companies which were supported by the fund. To date, the fund has loaned \$2,107,500 to nine companies. Three additional loans are pending. Thirteen companies were reviewed by the Board and were rejected or are on hold.

Appendix 3

Subsection (14) (e)

A compliance and financial audit of the accounts and records of the corporation at the end of the preceding fiscal year conducted by an independent certified public accountant in accordance with rules of the Auditor General.

Appendix 4

Detailed Listing of Scripps Florida Outreach Activities

- 1. Scientific Collaborations with Florida colleges, universities and other research institutes**
- 2. High School Students, Teachers and Legacy Interns for Summer 2010**
- 3. Undergraduate Student Researchers and Interns**
- 4. Education Outreach**
- 5. Community Outreach**
- 6. Science Meetings with Florida colleges and universities**
- 7. Workforce Recruitment Activities**
- 8. Seminar Series**
- 9. Business Outreach**
- 10. Science Outreach**

1. Scientific Collaborations with Florida colleges, universities and other research institutions

Scripps Florida Collaborator	Institutional Collaborator(s)	Institution	Description of Collaboration
Timothy Tellinghuisen	Hengli Tang	FSU	Hepatitis C Virus replication in Cyclophilin
Timothy Tellinghuisen	Eugene Schiff	U Miami School of Medicine	HCV induced hepatocellular carcinoma
Pat Griffin	Stephan Schurer	U Miami	1) Modeling of ligand binding to orphan nuclear receptors 2) Modeling partial agonist binding to PPAR gamma
Pat Griffin Scott Busby	David Silverman	UF	HD-exchange to study protein dynamics
Jennifer Busby	Cynthia Battie	UF	Identification of bacteria based upon isolation of membrane proteins
Jennifer Busby	Keith Webster	U Miami	Identification of phosphorylation sites on Insulin Receptor, specifically pY
Jennifer Busby	Irina Agoulnik	FIU	Phosphorylation site mapping
Jennifer Busby	Lewis Hanna	Cytonics Corporation, Jupiter, FL	Sequence characterization of bovine aggrecan
Jennifer Busby	Ralf Landgraf	Univ of Miami	Phosphorylation site mapping
Jennifer Busby	Ray Johnson	Cytonics Corp.	Identification of protein isoforms
Jennifer Busby	Jang-Yen (John) Wu	FAU	GAD65 phosphomapping
Jennifer Busby	Alessia Fornoni	U Miami	
Jennifer Busby	Max Caputi	FAU	RNA binding proteins
Jennifer Busby	Peter Sayeski	UF	Characterization of unknown post-translational modifications on Jak2
Jennifer Busby	Prentiu Radulovic	FAU	Differential analysis of brain/liver
Jennifer Busby	Marc Giulianotti	Torrey Pines Institute for Molecular Studies	Characterization of synthetic, cyclic peptides
Claes Wahlestedt	Steven Younkin	Mayo Clinic, Jacksonville, FL	Beta-amyloid mechanisms.
Claes Wahlestedt	George Inana	U Miami	Genetics/genomics
Claes Wahlestedt	Dennis Steindler	U Florida	Cell Biology
Peter Hodder	Elliott Richelson	Mayo Clinic, Jacksonville FL	High Throughput Screening
Peter Hodder	Daiqing Liao	UF	Development of P53 dependent histone modifications assay
Peter Hodder	Herb Weissbach	FAU	1) Developing assays for methionine sulfoxide reductase inhibitors 2) High throughput assay for MrsA
Peter Hodder	Antonis Zervos	UCF	High Throughput Screening
Peter Hodder	Gregg Fields	TPIMS	High Throughput Screening

Peter Hodder	James Potter	U Miami	High Throughput Screening
John Cleveland	Dennis Steindler	UF	Advisory committee for brain tumor research and institutional collaborations on brain tumor research in the state of Florida
John Cleveland	James Mule	H. Lee Moffitt Cancer Center & Research Inst.	Designing Lymph Nodes for Cancer Immunotherapy
Paul Kenny	Barbara Krantz	Hanley Center	Human studies on addiction
Paul Kenny	Karen Dodge	Hanley Center	Human studies on addiction
Michael Conkright	A. Massimo Caputi	FAU	Post-translational gene regulation.
Michael Conkright	B. Glen Barber	U Miami Sylvester Cancer Center	Identification of molecules involved in innate immunity
William Roush	Gregg Fields	TPIMS	Design and synthesis of inhibitors of metalloproteinases (MMP's)
William Roush	Arthur Edison	U Florida	Structure determination, synthesis, and biological evaluation of natural products from insects
William Roush	Stephan Schurer	U Miami	Modeling of ligand binding to orphan nuclear receptors and modeling inhibitors targeting kinases involved in regulation of cell cycle

2. High School Students, Teachers and Legacy Interns for Summer 2010

Name	Ethnicity	School	Student
Sergine Brutus	African American	Palm Beach Gardens High	Senior
Lauren Casaus	Hispanic	The Benjamin School	Senior
John Cassel	Caucasian	Wellington High	Senior
Tucker Elliott	Caucasian	Suncoast High	Senior
Aaron HARRIPERSAD	African American	Suncoast High	Junior
Stephanie Heung	Asian	Atlantic High	Senior
Alec McBee	Caucasian	Jupiter High	Senior
Justin Molina	Hispanic	The Kings Academy	Senior
Max Morgenstern	Caucasian	Spanish River High	Senior
Jay Patel	East Indian	West Boca Raton High	Senior
Emily Pawa	Pacific Islander	Santaluces High	Junior
Aline Yonezawa	Asian	Florida Atlantic Univ High	Senior
Valeda Yong	Asian	Spanish River High	Junior
Arielle Abovich	Caucasian	Univ. Pennsylvania	Undergraduate
Dhruv Bellapu	East Indian	University of Florida	Undergraduate
Vuong Dang	Asian	Swarthmore	Undergraduate
Albert Fernandez	Hispanic	Princeton Univ.	Undergraduate
William Bartenslager	Caucasian	Palm Beach Central High	Biology Teacher
Kristin Perez	Hispanic	Dreyfoos High School for the Arts	Biology Teacher
Xaviera Pernel	African American	Atlantic High	Chemistry Teacher

3. Undergraduate Student Researchers and Interns

First Name	Last Name	Start Date	Term Date	Scripps Fla P.I.	School
Melissa	Bacchus	5/17/10		Dr. Don Phinney	FAU Honors College
Sophia	Banton	6/16/10		Dr. Donny Strosberg	FAU Honors College
Alexa	Billow	2/3/10		Dr. Courtney Miller	FAU Honors College
Eric	Bishop	2/1/10		Dr. Peter Hodder	FAU Honors College
Nibal	Eid	5/10/10		Dr. Don Phinney	FAU Honors College
Nicholas	Esker	10/21/09	5/10/10	Dr. Roy Periana	FAU Honors College
Ian	Gerstel	1/20/10		Dr. Ron Davis	FAU Honors College
Olsi	Gjyshi	9/4/09		Dr. Kendall Nettles	FAU Honors College
Manesh	Gopaldas	8/24/09	4/30/10	Dr. Howard Petrie	FAU Honors College
Dana	Kuruvilla	9/8/09		Dr. Pat Griffin	FAU Honors College
Alejandro	Landa	5/19/10		Dr. Roy Smith	FAU Honors College
Nisha	Nagarsheth	6/14/10		Dr. Susana Valente	FAU Honors College
John	Odom	12/18/09		Dr. Courtney Miller	FAU Honors College
Michael	Webster-Gardiner	5/20/10		Dr. Roy Periana	FAU Honors College
Benjamin	Saef	5/26/10		Dr. Howard Petrie	FAU Honors College
Laura	Baker	1/5/10	4/30/10	Dr. Jun-li Luo	PBSC
Jonathan	Bourque	7/27/09	1/6/10	Dr. Peter Hodder	PBSC
Graell	Pujantell	1/25/10	4/28/10	Dr. Jun-li Luo	PBSC
Michael	Stefano	9/21/09	2/19/10	Dr. Howard Petrie	PBSC
Browdy	Hayley	6/1/10		Dr. Glenn Micalizio	Brandeis
Cohen	Madeline	6/1/10		Dr. Courtney Miller	Columbia
Dunham	Geoffrey	6/1/10		Dr. Tom Kodadek	Yale
Gavin	Caitlin	5/10/10		Dr. Courtney Miller	Nova Southeastern
Griffin	Casey	5/24/10		Dr. Scott Busby	NYU
Heiman	Joshua	6/30/10		Dr. Howard Petrie	U Michigan
Kelly	Kimberly	6/28/10		Dr. Michael Conkright	Keiser U
Kempe	Kirby	5/24/10		Dr. Ron Davis	Rice
Lovell	Kimberly	9/21/09		Dr. Laura Bohn	U Kansas
Orrolenghi	Joseph	5/19/10		Dr. Laura Bohn	Harvard
Peterson	Julie	6/21/10		Dr. Tom Kodadek	UCF
Policastro	Daniel	5/10/10		Dr. Jennifer Busby	UF
Pritz	Jonathan	5/24/10		Dr. Kendall Nettles	UF
Spunberg	Daniel	6/1/10		Dr. Claes Wahlestedt	Columbia
Tranquil	Elizabeth	5/18/10		Dr. Gavin Rumbaugh	Carnegie Mellon
Wagner	Gabriella	6/1/09	8/14/09	Dr. Chs. Weissmann	Cornell

4. EDUCATION OUTREACH

<u>DATE</u>	<u>PARTICIPANTS</u>	<u>PURPOSE</u>
3-Oct-09	Becky Mercer, Tim Spicer, Louis Scampavia, Brian Paegel, Jeremy Pyle	Teacher Institute
10-Oct-09	Louis Scampavia, Jeremy Pyle, Deborah Leach-Scampavia	Science Saturday
29-Oct-09	Tim Spicer	St. Mark's Science Fair
3-Nov-09	Jennifer Busby	Ideal Sch. Science Fair
5-Nov-09	Christine Crumbley, John Whitaker, Steven Bishoff, Deborah Leach-Scampavia	Kings Academy-Career Panel
12-Nov-09	Harry Orf, Deborah Leach-Scampavia	FL State Board of Ed, Council of 100, and Governor Crist
13-Nov-09	Harry Orf	Ideal Sch Science Fair
24-Nov-09	Deborah Leach-Scampavia	FAU-Kenan Scholars
3-Dec-09	Harry Orf, Deborah Leach-Scampavia	The Benjamin School
17-Dec-09	Harry Orf	Education Commission
11-Jan-10	Deborah Leach-Scampavia	PB Co. Sch. Dist.
12-Jan-10	Harry Orf	So FL Sci Museum
14-Jan-10	Harry Orf	FL Council of 100 Education Conf.
22-Jan-10	Tim Spicer	Marsh Pt. Elementary
6-Feb-10	Scripps-wide	Community Science Education Day -Gardens Mall
8-Feb-10	Harry Orf	Education Commission
11-Feb-10	Tim Spicer	St. Mark's Career Fair
12-Feb-10	Pierre Baillergeon, Deborah Leach-Scampavia	Suncoast High School
23-Feb-10	Deb Leach Scampavia, Harry Orf, Jeremy Pyle, Peter Hodder	Wm. R. Kenan, Jr. Charitable Trust
22-Mar-10	Paul Johnson, Briana Weiser, John Whitaker, Christine Crumbley, Deborah Leach-Scampavia	PB Gardens HS-Career Panel
27-Mar-10	Deborah Leach-Scampavia, Brian Paegel, Jeremy Pyle, Tim Spicer	Teacher Institute
13-Apr-10	Deborah Leach-Scampavia, Louis Scampavia, Jeremy Pyle	Teacher Institute
15-Apr-10	Tim Spicer	Timber Trace Elementary
15-Apr-10	Harry Orf	Education Commission
19-Apr-10	Harry Orf	STEM Florida
28-Apr-10	Becky Mercer, Michael Tarcelli	Virtual Career Fair-FL State Dept of Education
29-Apr-10	Barbara Noble, Deborah Leach-Scampavia	BDB Education
4-May-10	Briana Weiser, Christine Nguyen, Christine Crumbley, Alex Brasher, Deb Leach-Scampavia	Career Panel-Seminole Ridge HS
12-May-10	Harry Orf	Taurus Org/Jupiter HS
21-May-10	Tim Spicer	Marsh Pt. Elementary
25-May-10	Harry Orf	Freedom Shores Science Awards
27-May-10	Ann Griffith, Deb Leach-Scampavia	Montessori-fun science
10-Jun-10 to 30-Jun-10	Deb Leach-Scampavia, Louis Scampavia, Peter Hodder, Patricia McDonald, Laura Bohn, Donald Phinney, Thomas Kodadek, Donny Strosberg, Susana Valente, Jun-Li Luo, Ronald Davis, Courtney Miller, William Ja, Roy Smith, Bruce Pascal, Kendall Nettles, Jennifer Busby,	Summer Intern Mentor Program

	Brian Paegel, Pat Griffin	
15-Jun-10	Brian Paegel	HS Intern Seminar
15-Jun-10	Tom Bannister	PB Sch Dist Science Text Book Review
16-Jun-10	Deborah Leach-Scampavia	PB Sch Dist Science Text Book Review
22-Jun-10	Tim Tellinghuisen	HS Intern Seminar
29-Jun-10	Peter Hodder	HS Intern Seminar
30-Jun-10	Harry Orf	6 Pillar Caucus
1-July-10	Deb Leach-Scampavia, Louis	Summer Intern Mentor Program
	to	
23-Jul-10	Scampavia, Peter Hodder, Patricia McDonald, Donny Strosberg, Roy Smith, Bruce Pascal, Kendall Nettles, Jennifer Busby, Brian Paegel, Pat Griffin, Claes Wahlstedt, Laura Bohn, Donald Phinney, Thomas Kodadek, Susana Valente, Jun- Li-Luo, Ronald Davis, Courtney Miller, William Ja, Jeremy Pyle	
6-Jul-10	Jennifer Busby	HS Intern Seminar
8-Jul-10	Deb Leach-Scampavia	PBSC Career Panel
12-Jul-10	Tom Bannister, Deb Leach-Scampavia	PBCo. School District Science Textbook Review
13-Jul-10	Kendall Nettles	HS Intern Seminar
20-Jul-10	Paul Kenny	HS Intern Seminar
21-Jul-10	Harry Orf, Deb Leach-Scampavia	PBSC Summer Youth College
23-Jul-10	Scripps Florida campus	Keenan Fellows Presentations
23-Jul-10	Harry Orf, Deb Leach-Scampavia	PBSC Summer Youth College
25-Jul-10	Harry Orf, Deb Leach-Scampavia, Jeremy Pyle	STEM Conference, Orlando
1-Aug-10	Susana Valente	Palm Beach Atlantic University
13-Aug-10	Deb Leach-Scampavia, Jeremy Pyle	PBCo. School District Symposium
19-Aug-10	Harry Orf	Education Commission Mtg.
1-Sep-10	Harry Orf	Univ of Florida NSF Science Master's Program
2-Sep-10	Brian Paegel	Furman University (Spartanburg, SC)

5. COMMUNITY OUTREACH

<u>DATE</u>	<u>PARTICIPANTS</u>	<u>PURPOSE</u>
1-Oct-09	Harry Orf	PB Co Medical Society
1-Oct-09	Deborah Leach-Scampavia, Harry Orf	American Cancer Society
1-Oct-09	Paul Kenny	Hanley Center
6-Oct-09	Roy Smith	Life Science on Aging
12-Oct-09	Alex Bruner	Women's Club of River Bridge
14-Oct-09	Scripps-wide	Blood Mobile
16-Oct-09	Harry Orf, Deborah Leach-Scampavia	Urban League
21-Oct-09	Harry Orf	Rotary Club Boca Raton
30-Oct-09	Harry Orf, Deborah Leach-Scampavia	Northern PB Co Chambers of Commerce
31-Oct-09	Deborah Leach-Scampavia	Girl Scouts
3-Nov-09	Harry Orf	Lake Park Baptist Church
4-Nov-09	Alex Bruner	Women's League-Temple Emanu-El
17-Nov-09	Harry Orf	PB Sail and Power Squadron
17-Nov-09	Ron Davis, Alfonso Martin-Pena, Ayako Tonoki- Yamaguchi, Charlie Gilman, Germain Busto, Isaac Cervantes-Sandoval, Jacob Berry,	Alzheimer's Assn, Epilepsy Foundation, Mental Health Assn

	Seth Tomchik, Sonal Harbaran, Trina Miles, Ben Starling	
18-Nov-09	Harry Orf	Abacoa Property Owners Assn
18-Nov-09	Bill Roush	Frontlines of Hope
18-Nov-09	Harry Orf	So FL Science Museum
19-Nov-09	Harry Orf, Andrew Butler	Harvard, MIT, U Penn, Yale Alumni Assn.
20-Nov-09	Ron Davis, Alfonso Martin-Pena, Ayako Tonoki- Yamaguchi, Charlie Gilman, Germain Busto, Isaac Cervantes-Sandoval, Jacob Berry, Seth Tomchik, Sonal Harbaran, Trina Miles, Ben Starling	Area Agency on Aging, Autism Soc.
23-Nov-09	Deborah Leach-Scampavia	BDB – Senator Lemieux
30-Nov-09	Harry Orf	Veterans Group
2-Dec-09	Alec Bruner	Brandeis Study Group
6-Dec-09	John Cleveland, Barbara Noble	Israel Cancer Assn.
7-Dec-09	Alex Bruner, Roy Smith	“A Breakfast Club” , Boca Raton
8-Dec-09	W. Mark Crowell	Frontlines of Hope
9-Dec-09	Ron Davis, Alfonso Martin-Pena, Ayako Tonoki- Yamaguchi, Charlie Gilman, Germain Busto, Isaac Cervantes-Sandoval, Jacob Berry, Seth Tomchik, Sonal Harbaran, Trina Miles	Palm Beach County Ambassadors
14-Dec-09	John Cleveland, Howard Petrie, Kendall Nettles, Barbara Noble, Deborah Leach-Scampavia, Peter Chase, Lina DeLuca, Louis Scampavia	Frenchman’s Creek “Women for Cancer Research”
15-Dec-09	Harry Orf	WPB Rotary Club
16-Dec-09	Alex Bruner	Bellagio, Lake Worth
1-Jan-10	Roy Smith	SVP – talk on aging
14-Jan-10	Donny Strosberg	Art for Children
6-Jan-10	Harry Orf, Barbara Noble, Deborah Leach- Scampavia	PB Commission Legislative Delegation Group of 100, Leadership Business Council
10-Jan-10	Ron Davis	PB Co Roundtable
12-Jan-10	Alex Bruner	Aberdeen Group
13-Jan-10	Lisa Huertas	Brandeis Women’s Study Group
14-Jan-10	Laura Bohn, Alex Bruner	Asset Advisory Services
15-Jan-10	Roy Smith	Hadassah Women’s Group
15-Jan-10	Harry Orf	PB Co/Treasure Coast Leadership
19-Jan-10	Barbara Noble	Frenchman’s Creek “Women for Cancer Research”
19-Jan-10	Harry Orf	PB Business Group
19-Jan-10	Deborah Leach-Scampavia	Israeli Cancer Alliance tour
20-Jan-10	John Cleveland, Donny Strosberg, Michael Conkright, Kendall Nettles, Jun-Li Luo Donny Strosberg	Israeli Cancer Alliance
21-Jan-10	Claes Wahlestedt	Frontlines of Hope
22-Jan-10	Alex Bruner	Mirabella Group
25-Jan-10	Deborah Leach-Scampavia	PBCC Lifelong Learning
26-Jan-10	Paul Kenny	FAU Lifelong Learning
2-Feb-10	Deborah Leach-Scampavia	BDB Tour
2-Feb-10	Harry Orf	So. PB Co
3-Feb-10	Harry Orf	So. PB Co Vision
4-Feb-10	Gerald Joyce, Harry Orf, Barbara Noble	Garden’s Mall Celebrates Science
9-Feb-10	John Cleveland, Alex Bruner	World President’s Organization

17-Feb-10	Alex Bruner	Aberdeen County Club Group
22-Feb-10	Laura Bohn	Morse Life Jewish Ret. Cntr.
24-Feb-10	Peter Hodder	NYU Polytechnic Alum.
24-Feb-10	Kendall Nettles	Frontlines of Hope
26-Feb-10	Ron Davis	Hospice by the Sea
28-Feb-10	Ron Davis, Alfonso Martin-Pena, Ayako Tonoki-Yamaguchi, Charlie Gilman, Germain Busto, Isaac Cervantes-Sandoval, Jacob Berry, Seth Tomchik, Sonal Harbaran, Trina Miles	PB Chapter AKIM
9-Mar-10	Donny Strosberg, Tom Kodadek, Will Melton	Landenberger Research Foundation
10-Mar-10	Briana Weiser, Barbara Noble	Juno Beach-Ballen Isles-Mirasol
11-Mar-10	Claes Wahlestedt	Alzheimer's Disease Community Lecture
16-Mar-10	Brian Paegel, Harry Orf, Gerald Joyce	Lasker Foundation Lecture
17-Mar-10	Ron Davis	Christ Fellowship Church speaker series
20-Mar-10	Kendall Nettles, Barbara Noble, Harry Orf	Ingall's Foundation
22-Mar-10	Roy Smith, Andrew Butler, Courtney Miller, Andrew Hodge	Frontlines of Hope
23-Mar-10	Roy Smith, Ron Davis, Charles Weissmann, Harry Orf	Palm Health Partners
25-Mar-10	Ron Davis, Ben Starling	PB Co Realtors Assn
25-Mar-10	Peter Hodder	FMSA Advisory Council
26-Mar-10	Alex Bruner	Community Virtual Exploration of Scripps
27-Mar-10	Peter Hodder	Brain Cancer Walk
14-Apr-10	Ron Davis, Alfonso Martin-Pena, Ayako Tonoki-Yamaguchi, Charlie Gilman, Germain Busto, Isaac Cervantes-Sandoval, Jacob Berry, Seth Tomchik, Sonal Harbaran, Trina Miles	Executive Women of the Palm Beaches
14-Apr-10	Harry Orf	Mexico FAM Tour
15-Apr-10	Harry Orf, Jennifer Busby	PB Co Youth Leadership
17-Apr-10	Nagi Ayad, Alex Bruner	Leukemia and Lymphoma Society
18-Apr-10	Roy Smith	Bellagio Adult Comm.
19-Apr-10	Harry Orf	Jupiter/Tequesta Rotary Club
20-Apr-10	Harry Orf	The Waterfront Community
21-Apr-10	Barbara Noble, Harry Orf, Deborah Leach-Scampavia, Jennifer Busby	Loblolly Community
27-Apr-10	Andrew Butler	Sailfish Club
27-Apr-10	Alex Bruner	Aberdeen Golf Club
29-Apr-10	Shuji Kishi	Florida Oceanographic Coastal Sci. Center
30-Apr-10	Ben Starling	Community Exploration of Scripps
6-May-10	Harry Orf	Village Baptist Church
7-May-10	John Cleveland	"ThinkPinkKids" for Cancer Research
7-May-10	Harry Orf	PGA Corridor Members
12-May-10	Jennifer Busby, Deb Leach-Scampavia	Leadership PB Co
20-May-10	Harry Orf	PB Co/Treasure Coast Leadership
24-May-10	Ron Davis, Ben Starling	Jonathan's Landing County Club
25-May-10	Ron Davis, Alfonso Martin-Pena, Ayako Tonoki-Yamaguchi, Charlie Gilman, Germain Busto, Isaac Cervantes-Sandoval, Jacob Berry, Seth Tomchik, Sonal Harbaran, Trina Miles	Admiral's Cove
26-May-10	Kendall Nettles, Ben Starling	Boca Radiology Group
26-May-10	Alex Bruner	Community Virtual Exploration of Scripps
27-May-10	Ron Davis, Alfonso Martin-Pena, Ayako Tonoki-	Harbor Ridge County Club

	Yamaguchi, Charlie Gilman, Germain Busto, Isaac Cervantes-Sandoval, Jacob Berry, Seth Tomchik, Sonal Harbaran, Trina Miles, Ben Starling	
2-Jun-10	Ron Davis, Alfonso Martin-Pena, Ayako Tonoki-Yamaguchi, Charlie Gilman, Germain Busto, Isaac Cervantes-Sandoval, Jacob Berry, Seth Tomchik, Sonal Harbaran, Trina Miles, Ben Starling	Jonathan's Landing Community Tour
3-Jun-10	Tom Kodadek	Alzheimer's Education Conference
8-Jun-10	Deborah Leach-Scampavia, Harry Orf, Jeremy Pyle	Quantum Foundation
9-Jun-10	Harry Orf	PB Co Leadership
21-Jun-10	Ron Davis	Friends of Neuroscience
25-Jun-10	Will Melton	Community Virtual Exploration of Scripps
14-Jul-10	Scripps Fla campus	Blood Drive
21-Jul-10	Ron Davis	Friends of Neuroscience Philanthropy
10-Aug-10	Courtney Miller	St. Mary's Hospital
16-Sep-10	Will Melton, Alex Bruner, Lisa Huertas	Literacy Coalition
24-Sep-10	Lisa Huertas	Scripps Florida Virtual Tour

6. Science Meetings at Florida Colleges and Universities

<u>DATE</u>	<u>PARTICIPANTS</u>	<u>SCHOOL/ INSTITUTION</u>
15-Oct-09	Bill Roush	UCF-seminar
16-Oct-09	Bill Roush	USF-Plenary lecture-Drug Design
16-Oct-09	Laura Bohn	Palm Beach Atlantic Univ-School of Pharmacy
20-Oct-09	Deborah Leach-Scampavia	FAU Boca
22-Oct-09	Peter Hodder	UCF
27-Oct-09	Ron Davis	FAU Boca-Neuroscience seminar
13-Nov-09	Bill Roush	Rollins College, Tampa
5-Dec-09	Paul Kenny	ACNP Conf..
9-Dec-09	Peter Hodder	H. Lee Moffitt Cancer Cntr.
8-Jan-10	Adrian Saldanha, Peter Hodder	Mayo Clinic, Jacksonville FL
12-Jan-10	Peter Hodder	Univ of Miami
25-Jan-10	Peter Hodder	FAU Boca
26-Jan-10	Peter Hodder	Univ of Fla
1-Feb-10	Pat Griffin	U Miami
5-Feb-10	William Ja	Max Planck FL Inst
12-Feb-10	Tom Kodadek, Paul Kenny, Patricia	Burnham Institute-FL
18-Feb-10	McDonald	FAU Boca-Human cellular factors that restrict HIV-1 activity
21-Feb-10	Susana Valente	Miami Winter Symposium
	John Cleveland, Kendall Nettles, Joanne Doherty, Frank Dorsey, Meredith	
9-Mar-10	Steeves, Jerome Nwachukwu Bill Roush	UF-Plenary lecture-Florida Heterocyclic & Synth. Conference
16-Mar-10		Lasker/Nobel Science Lecture at Scripps
16-Mar-10	Brian Paegel, Harry Orf, Gerald Joyce	FAU Boca-Protein-protein interactions in HCV
24-Mar-10	Donny Strosberg	FAU Boca-Dept Bio. Sci.

25-Mar-10	Shuji Kishi	UF-plenary lecture
15-Apr-10	Bill Roush	TMPS
17-Apr-10	Peter Hodder	Univ of Miami-Flies on the Beach mtg.
	Ron Davis, Seth Tomchik, Germain Busto, Sonal Harbaran, Ayako Tonoki-	
19-Apr-10	Yamaguchi, Alfonso Martin-Pena, William	FAU
18-May-10	Ja	Max Planck FL Institute
21-May-10	Peter Hodder	FAU-Herb Weissbach
3-Jun-10	William Ja	SBIR workshop, Miami
22-Jun-10	Roy Smith	USDA-ARS US Horticultural Soc, FL
16-Aug-10	Patricia McDonald	Florida Atlantic University
20-Aug-10	Peter Hodder	Bill & Melinda Gates Foundation—Orlando, FL
15-Sep-10	Roy Smith	University of South Florida, Tampa
22-Sep-10	Susana Valenta, Donny Strosberg	American Federation for Aging Research
28-Sep-10	Glenn Micalizio	FAU/ Max Planck Florida Symposium—Boca Raton, FL
	Roy Smith, Harry Orf	
	Ron Davis, Seth Tomchik, Ayako Tonoki-	
	Yamguchi, Cori MacMullen, Tugba	
	Guyen-Ozkan, Gavin Rumbaugh, Cristin	
	Gavin, Emin Ozkan, Massimiliano Aceti,	
	Cris Creson, James Chelliah, Camilo	
	Rojas	

7. Workforce Recruitment Activities

Event	Location/ Institution	Date	Lead/Rep
Career Fair	Suncoast High School, Rivera Beach FL	1/8/10	Hollie Alkema
Career Fair	FAMU	1/27/10	Hollie Alkema
Expo	FGLSAMP	2/25/10	Hollie Alkema
Dare to Prepare-Jobs Conference	FAU	5/10/10	Hollie Alkema
FL Statewide Job Fair	Orlando	5/13/10	Hollie Alkema

8. Seminar Series—external seminars

November 13, 2009	Speaker: Regina Carelli, Ph.D. Professor and Director of Behavioral Neuroscience Program Department of Psychology, UNC-CH Lecture – “Dynamics of Brain Reward Processing during Behavior”
November 20, 2009	Speaker: Jeff Benovic, Ph.D. Professor and Chair Department of Biochemistry and Molecular Biology Thomas Jefferson University Lecture – “Regulation of G protein-coupled receptor signaling and trafficking”
December 4, 2009	Speaker: Bruce Maryanoff, Ph.D. Distinguished Research Fellow and a Team Leader

	Johnson & Johnson Pharmaceutical Research & Development Lecture – “An Odyssey in Drug Discovery through Serine-Protease Space”
January 8, 2010	Speaker: William Bishai, Ph.D. Co-Director of the Johns Hopkins Center for Tuberculosis Research Lecture – “TB: Host-exploitation by an unwelcome houseguest”
January 15, 2010	Speaker: Michael Rosbash, Ph.D. Professor of Biology Investigator, Howard Hughes Medical Institute Molecular Genetics of RNA Processing and Behavior Ph.D., Massachusetts Institute of Technology Lecture – “Circadian Rhythms and Sleep in Flies: Molecules, Neurons and Circuitry”
January 22, 2010	Speaker: Klaus Rajewsky, Ph.D. Division of Pathology, Department of Medicine Harvard Medical School Lecture – “How the B cell antigen receptor controls B cell maintenance and mitogenic response”
January 29, 2010	Speaker: Myriam Gorospe, Ph.D. Senior Investigator, RNA Regulation Section Laboratory of Cellular and Molecular Biology National Institute on Aging National Institutes of Health Biomedical Research Center Lecture – “HuR: post-transcriptional paths to malignancy”
February 16, 2010	Speaker: Donald Hunt, Ph.D. University Professor of Chemistry and Pathology Lecture – “ETD for the Identification of Protein Post-Translational Modifications.”
February 19, 2010	Speaker: William Jacobs, Ph.D. Investigator and Professor Howard Hughes Medical Institute Albert Einstein College of Medicine Price Translational Research Center Lecture – “A Sweet New Way to Kill <i>Mycobacterium tuberculosis</i> ”
February 26, 2010	Speaker: Alex Rich, Ph.D. Investigator and Professor Howard Hughes Medical Institute Albert Einstein College of Medicine Price Translational Research Center Lecture – “Proteins that bind to Z-DNA and their role in Immunity & Infection”
March 5, 2010	Speaker: Tom Maniatis, Ph.D. Jeremy R. Knowles Professor of Molecular and Cellular Biology Harvard University Lecture – “Using Pluripotent Stem Cells to Study ALS Disease Mechanisms”
March 12, 2010	Speaker: Mary Jeanne Kreek, Ph.D. Senior Attending Physician Patrick E. and Beatrice M. Haggerty Professor Laboratory of Biology of Addictive Diseases

	Rockefeller University Lecture –“Opioids, SNPs, and Stress Responsivity: Implications for Heroin, Cocaine, and Alcohol Addictions”
March 19, 2010	Speaker: Eric Ravussin, Ph.D. Clinical Nutrition Research Unit, Director Pennington Biomedical Research Center Louisiana State University Lecture –“Caloric Restriction in Humans: From Physiology to Molecular Mechanisms”
March 26, 2010	John Collinge, M.D., FRCP, FRS Head of the Department of Neurodegenerative Disease Director of the MRC Prion Unit Institute of Neurology, University College London Lecture – “Kuru, prions and evolution: from the South Fore to South Florida”
April 9, 2010	Speaker: Iannis Aifantis, Ph.D. Associate Professor Howard Hughes Medical Institute Department of Pathology, NYU School of Medicine Lecture –“Oncogenic and tumor suppressor properties of the Notch signaling pathway”
April 14, 2010	Speaker: Kim D. Janda, Ph.D. Professor, Departments of Chemistry & Immunology The Scripps Research Institute Lecture - “Antibiotics and the Perfect Storm; New Approaches for Survival”
April 16, 2010	Speaker: Richard Axel, M.D. University Professor/Investigator Howard Hughes Medical Institute, Columbia University Lecture -“Internal Representations of the Olfactory World”
May 14, 2010	Speaker: Richard Flavell, Ph.D. Department of Immunobiology Howard Hughes Medical Institute Yale University School of Medicine Lecture -“The inflammasome in infection, inflammation and cancer”
May 28, 2010	Speaker: Michael Glickman, Ph.D. Associate Member - Memorial Sloan-Kettering Cancer Center Dept of Medicine/Immunology Program Lecture -“Molecular Insights into <i>Mycobacterium tuberculosis</i> pathogenesis”

Summer Intern Seminars

June 15, 2010	Brian Paegel, Ph.D. Assistant Professor, Department of Chemistry TSRI-Scripps Florida Lecture - “Oceans & Archipelagos: Landscapes for Extracellular Darwinian Evolution”
June 22, 2010	Timothy Tellinghuisen, Ph.D.

	Assistant Professor, Department of Infectology TSRI-Scripps Florida Lecture - "A Brief Introduction to Hepatitis C Infection"
June 29, 2010	Peter Hodder, Ph.D. Scientific Director, Sr. Director, Lead Identification Translational Research Institute, TSRI-Scripps Florida Lecture - "Introduction to High Throughput Screening"

9. Business Outreach

<u>Date</u>	<u>Speaker/Lead Rep</u>	<u>Organization</u>
1-Oct-09	Harry Orf	PB Co Medical Society
13-Oct-09	Harry Orf	FL Chamber/FL Research Consortium
16-Oct-09	Harry Orf	BioFlorida Board Meeting
20-Oct-09	Bill Roush	Pfizer
21-Oct-09	Harry Orf	Economic Council of Martin Co.
30-Oct-09	Harry Orf	No. PB Chamber of Commerce
1-Nov-09	Roy Smith	Jackson Labs
4-Nov-09	Peter Hodder, Harry Orf	BioFlorida Conference
6-Nov-09	Harry Orf	BioFlorida Board Meeting
11-Nov-09	Harry Orf, Peter Hodder	BioFlorida Exec. Committee
16-Nov-09	Peter Hodder	Gabriel Bioconsulting LLC
23-Nov-09	Roy Smith	Hankamer Foundation
13-Nov-09	Harry Orf	FL Research Consortium Exec Meeting
17-Nov-09	Harry Orf	BioFlorida Exec. Committee Meeting
2-Dec-09	Barbara Noble	Florida's Future-Biotech Vision, Miami Chamber Comm
4-Dec-09	Roy Periana	BioFuels Conference, Miami
9-Dec-09	Harry Orf	BioFlorida Exec. Committee Meeting
15-Dec-09	Will Melton, Barbara Noble, Ben Starling	Forum Club
17-Dec-09	Barbara Noble	Women In Power
8-Jan-10	Harry Orf	FL Research Consortium Exec. Meeting
8-Jan-10	Roy Periana	Center for Catalytic Hydrocarbon Fictionalization Meeting
8-Jan-10	Barbara Noble, Will Melton, Ben Starling	Forum Club
11-Jan-10	Donny Strosberg	JP Morgan Healthcare Conf.
13-Jan-10	Barbara Noble	West Palm Beach-State of the City
13-Jan-10	Roy Periana	Chevron

14-Jan-20	Peter Hodder, Tim Spicer, Sanjay Saldanha, Dmitriy Minod, Franck Madoux, Anna Knapinska, Melissa Crisp, Claude-Henry Volmar, Virneliz Fernandez-Vega	Promega
22-Jan-10	Harry Orf	FL Research Coast Region
26-Jan-10	Harry Orf	PB Co BDB
27-Jan-10	Harry Orf	FL Research Consortium Exec – Meeting with Enterprise FL Forum Club
28-Jan-10	Ben Starling, Barbara Noble, Will Melton	
1-Feb-10	Roy Periana	Saudi Basic Industries Corp.
2-Feb-10	Harry Orf	BDB/Global Emerging Technology
5-Feb-10	Harry Orf	FL Research Consortium Exec Meeting
11-Feb-10	Roy Smith	Bankers Club, Miami
16-Feb-10	Barbara Noble	BDB
23-Feb-10	Ron Davis	BDB
25-Feb-10	Peter Hodder	Lycera
5-Mar-10	Harry Orf	FL Research Consortium Exec. Meeting
10-Mar-10	Roy Smith	MERCK
17-Mar-10	Gavin Rumbaugh	BioFlorida
17-Mar-10	Harry Orf	FL State Board of Governors
10-Mar-10	Courtney Miller	BioFlorida
12-Mar-10	Peter Hodder	Envoy Therapeutics
16-Mar-10	Peter Hodder	Bristol-Myers Squibb
19-Mar-10	Alex Bruner, Barbara Noble, Will Melton, Ben Starling	Forum Club
19-Mar-10	Harry Orf	BioFlorida Exec. Committee
19-Mar-10	Harry Orf	Ingalls Foundation
22-Mar-10	Peter Hodder	BASF
31-Mar-10	Harry Orf	BioFlorida Board Meeting
2-Apr-10	Harry Orf	FL Research Consortium Exec Meeting
7-Apr-10	Harry Orf	FL State Board of Governors
9-Apr-10	Harry Orf	FL Research Consortium Exec. Meeting
12-Apr-10	Lisa Huertas, Alex Bruner, Ben Starling	Forum Club
14-Apr-10	Roy Smith	Pfizer
14-Apr-10	Ron Davis	Exec. Women of the Palm Beaches
6-May-10	John Cleveland	Agios
7-May-10	Harry Orf	FL Research Consortium Exec. Meeting
14-May-10	Will Melton, Ben Starling, Barbara Noble	Forum Club
17-May-10	Harry Orf	FL Economic Development Council

20-May-10	Harry Orf	FL Research Consortium
23-May-10	Jennifer Busby	Advion
27-May-10	Harry Orf	Israeli Consulate of Miami
4-Jun-10	Harry Orf	FL Research Consortium Exec. Meeting
8-Jun-10	Roy Periana	FPL
14-Jun-10	Roy Periana	Chevron
22-Jun-10	Peter Hodder	GNF
25-Jun-10	Peter Hodder	Constellation Pharmaceuticals
09-Jul-10	Harry Orf	Florida Research Consortium
15-Jul-10	Harry Orf	Fla Chamber 6 Pillars Caucus
28-Jul-10	Harry Orf	No. Palm Beach Chamber
03-Aug-10	Barbara Noble	Bank Atlantic
10-Aug-10	Harry Orf	BioFlorida Board of Directors
20-Aug-10	Harry Orf	Fla Chamber 6 Pillars Caucus
26-Aug-10	Harry Orf	Florida Research Consortium
01-Sep-10	Roy Smith	Palm Health Partners
03-Sep-10	Harry Orf	Florida Research Consortium
07-Sep-10	Harry Orf	Bavarian Trade Minister
09-Sep-10	Roy Smith, Andrew Butler, Courtney Miller	Max Planck
14-Sep-10	Roy Smith, Courtney Miller	Max Planck
15-Sep-10	Harry Orf	BioFlorida Exec Committee
16-Sep-10	Roy Smith, Courtney Miller	Max Planck
16-Sep-10	Barbara Sufilas Noble, Harry Orf, Susan Rode, Deborah Leach Scampavia	South Florida Business Journal
17-Sep-10	Barbara Noble	Women Professionals
20-Sep-10	Roy Smith, Courtney Miller	Max Planck
22-Sep-10	Harry Orf	BioFlorida Education & Workforce Committee
23-Sep-10	Roy Smith, Courtney Miller	Max Planck

10. Science Outreach

<u>Date</u>	<u>Speaker/Lead Rep</u>	<u>Organization</u>
2-Oct-09	Bill Roush	UC San Francisco
2-Oct-09	John Cleveland	NCRI Cancer Conf., UK
15-Oct-09	Paul Kenny	Soc. for Neuroscience, Chicago
24-Oct-09	Andrew Butler	Obesity Society Meeting
26-Oct-09	Pat Griffin, Patricia McDonald	Duke Univ.
7-Oct-09	Roy Smith	AFAR-Biochem & Mol. Bio.
12-Oct-09	Laura Bohn	MNPS, DC
15-Oct-09	Tom Kodadek	PPG Meeting TX
16-Oct-09	Courtney Miller	Natl. Inst. on Drug Abuse IL
17-Oct-09	Seth Tomchik, Gavin Rumbaugh	Society for Neuroscience,

22-Oct-09	Laura Bohn	Chicago IL
27-Oct-09	Bill Roush	U Penn
		Pfizer San Diego-research seminar
28-Oct-09	Roy Periana	Dalian Institute of Chemical Physics, Dalian China
30-Oct-09	Peter Hodder	NY Medical College
2-Nov-09	Tom Kodadek	Cleveland Clinic OH
2-Nov-09	Don Phinney	NYSTEM, DC
4-Nov-09	Paul Kenny	WPCG
9-Nov-09	Ron Davis	U Tokyo/Inst Molecular & Cellular Bioscience
9-Nov-09	Pat Griffin	U Penn
9-Nov-09	Tom Kodadek	Biochemistry Sem., Indiana U
11-Nov-09	Adrian Saldanha, Shaun Brothers, Tim Spicer, Peter Chase, Claes Wahlestedt, Peter Hodder	Disc. on Target, Boston
12-Nov-09	Paul Kenny	U Penn
13-Nov-09	Don Phinney	MSC Conf.. TX
17-Nov-09	Roy Periana	Advanced Energy Conference, Hauppauge NY
17-Nov-09	Peter Hodder	FRSTMH Queensland Inst. of Med. Res., Australia
18-Nov-09	Roy Smith	Intl. Conf. On Ghrelin- Tokyo
18-Nov-09	John Cleveland	Penn State
18-Nov-09	Don Phinney	3 rd Congress Non-Hematopoietic Stem Cell, Germany
19-Nov-09	Andrew Butler	Yale/UPenn/Harvard/MIT-DC
20-Nov-09	Bill Roush	City of Hope
20-Nov-09	John Cleveland	Lymphoma Conf., Germany
1-Dec-09	Melissa Crisp, Peter Hodder	Atlanta
3-Dec-09	Paul Kenny	Ohio State U
4-Dec-09	Gavin Rumbaugh	Dept. of Cell & Molecular Biol., Tulane Univ, LA
7-Dec-09	Peter Hodder	FHCRC
16-Dec-09	Roy Smith	Baylor College TX
22-Dec-09	Peter Hodder	Cornell
Jan-10	Courtney Miller	Neurobiology of Learning & Memory-UT
1-Jan-10	Donny Strosberg	Israel Cancer Assn. Symposium
7-Jan-10	Gavin Rumbaugh	Neurobiology of Memory and Learning Conf.-Park City Utah
11-Jan-10	Stephan Schuerer	Center for Drug Res. and Dev., San Francisco
15-Jan-10	Andrew Butler	Obesity Society Annual Pgm.
18-Jan-10	Roy Smith	Vanderbilt Science Chancellors
18-Jan-10	Paul Kenny	NIDA

21-Jan-10	Pat Griffin	UBC
25-Jan-10	Roy Periana	SABIC, Texas
3-Feb-10	Laura Bohn	MNPS, DC
9-Feb-10	Peter Hodder	NIH
10-Feb-10	Courtney Miller	UNC
10-Feb-10	Peter Hodder	UMD NJ
11-Feb-10	Paul Kenny	U Mass
17-Feb-10	Don Phinney	NYSTEM, VA
22-Feb-10	Paul Kenny	SRNT, MD
24-Feb-10	John Cleveland	Arizona Cancer Cntr.
27-Feb-10	Jennifer Busby	PITTCON
2-Mar-10	Roy Smith	Duke Univ.
3-Mar-10	Peter Hodder	Univ. WA Sch of Med
4-Mar-10	Paul Kenny	NIDA review
9-Mar-10	William Ja	LSU
11-Mar-10	Peter Hodder	NIH/IMST Wash. DC
12-Mar-10	John Cleveland, Frank Dorsey, Meredith Steeves	Keystone Symp., Canada
18-Mar-10	Andrew Butler	LSU
18-Mar-10	Peter Hodder	Albert Einstein College of Medicine
19-Mar-10	Don Phinney	STEPS2 Conf., TX
20-Mar-10	John Cleveland	Ingalls Prostate Seminar
21-Mar-10	Douglas Kojetin	Symposia on Mol and Cell Biology, CO
26-Mar-10	Roy Smith	Intl. Congress of Endocrinology Tokyo
29-Mar-10	Laura Bohn	NIH, DC
1-Apr-10	Bill Roush	U Arizona-res. seminar
7-Apr-10	Ron Davis, Ayako Tonki- Yamaguchi, Germain Busto, Isaac Cervantes-Sandoval	Genetics Soc. of Amer-DC
7-Apr-10	Patricia McDonald	Symposia on Mol. and Cell Biology, CO
7-Apr-10	Roy Smith	Breckenridge CO
8-Apr-10	William Ja	4th Intl Symp. Non-surgical Anim. Contraceptive Methods - TX
10-Apr-10	Courtney Miller	NIA Exper. Aging Research UT
11-Apr-10	Gavin Rumbaugh	Keystone Symposia Molecular and Cellular Biol, UT
12-Apr-10	Bill Roush	NY Academy of Sci.-Plenary lecture
14-Apr-10	Roy Smith	Amer. Fed. on Aging Res.
17-Apr-10	Melissa Crisp, Peter Hodder, A. Knapinska, F. Madoux, P. Chase, C. Eberhart, T. Spicer, B. Mercer, C-H. Volmar, A. Saldanha	SBS Conf. AZ
19-Apr-10	Gavin Rumbaugh	Neuroscience Institute IRCCS, Rome

21-Apr-10	Peter Hodder	U. Wash
24-Apr-10	Laura Bohn	EB 2010, CA
26-Apr-10	Paul Kenny	U Penn
27-Apr-10	Roy Periana	U Delaware, Newark DE
28-Apr-10	Donny Strosberg	CHI:HCV Drug Discovery, San Diego CA
28-Apr-10	Roy Smith	Baylor College TX
29-Apr-10	Susana Valente	2010 Centennial Retrovirus Meeting, Inst Mol Genetics Prague
3-May-10	Tom Kodadek	Rhett Syndrome Rsh. NY
4-May-10	William Ja	Division of Aging Biol, MD
5-May-10	Harry Orf	Bio International Conference
13-May-10	Andrew Butler	Univ. Utah Sch Med
17-May-10	Laura Bohn	NIH SUAA, MD
20-May-10	Tom Kodadek	NAGMS council meet-MD
22-May-10	Jennifer Busby	ASMS
22-May-10	Andrew Butler	SRBR
22-May-10	Tom Kodadek	Texas A&M
26-May-10	Shuji Kishi	Longevity Consortium Symp. DC
26-May-10	Roy Periana	UVA, Charlottesville
1-Jun-10	Roy Periana	Annapolis, MD
2-Jun-10	John Cleveland	Moffitt Cancer Center
5-Jun-10	Roy Periana	BES CCHF (DOE) Baltimore MD
6-Jun-10	William Ja	Glenn Foundation CA
9-Jun-10	Laura Bohn	MNPS, IL
10-Jun-10	Franck Madoux	Endocrine Society, DC
10-Jun-10	Ron Davis	McKnight Neuroscience Conf Aspen CO
10-Jun-10	Roy Smith	CMAD San Francisco
13-Jun-10	Roy Periana	USC-Caltech, Los Angeles CA
18-Jun-10	Paul Kenny	CPDD Arizona
19-Jun-10	Roy Smith, Andrew Butler	Endocrine Society Annual Meet
27-Jun-10	Ron Davis	Neurogenetics and Neurogeonomics-1st World Congress, Singapore
01-Jul-10	Brian Paegel	NIST, Gaithersburg, MD
01-Jul-10	Laura Bohn	International Narcotics Research Conference, Philip Jauzac Memorial Symposium Speaker.
03-Jul-10	C. Wahlestedt	Collaboration with Researchers at Univ. of Lund, Sweden
08-Jul-10	Andrew Butler	Melanocortin Conference, Utrechts, The Netherlands

13-Jul-10	Andrew Butler	Society of Suggestive Ingestive Behavior in Pittsburgh, PA
21-Jul-10	Z. Zeier	Fragile X Conference, Detroit, MI
10-Aug-10	Ron Davis	Ellison Biology of Aging Colloquium - Woods Hole, Mass
13-Aug-10	Courtney Miller	Amerian Psychological Association Meeting, San Diego, CA
23-Aug-10	C. Wahlestedt	Carnegie Centenary Professorship Award, Carnegie Trust for the Universities of Scotland, Edinburgh, UK
26-Aug-10	Andrew Butler	Pennington Biomedical Research Center
01-Sep-10	Glenn Micalizio	Emory University, Atlanta, GA
01-Sep-10	Laura Bohn	Neurobiology Seminar Series, University of Alabama, 12th Annual Learning and Memory Meeting, Magdeburg, Germany
04-Sep-10	Ron Davis	Baylor College of Medicine, Houston, TX
10-Sep-10	Roy Smith	QBI Brain Plasticity Meeting, Queensland, Australia
14-Sep-10	Ron Davis	Meeting at Pennington Biomedical Research Center, Baton Rouge, LA
27-Sep-10	Andrew Butler	NIH: The Integrative Physiology of Obesity and Diabetes (IPOD), San Diego, CA
30-Sep-10	Andrew Butler	