MINUTES OF MEETINGS OF
BOARD OF TRUSTEES
VOLUME 296
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A meeting of the Board of Trustees was held in Dean's Hall of the Penn Stater Conference Center Hotel, University Park, PA, at 1:00 p.m. on November 4, 2016.

The following Trustees were present: Lubert (chairman), Dambly (vice chairman), Barron, Benson, Brown, Capretto, Casey, Cotner, Dandrea, Detwiler, Doran, Dunn, Fenza, Goldstein, Han, Harpster, Hoffman, Huber, Jubelirer, Lubrano, Masser, McCombie, Mead, Metaxas, Oldsey, Pope, Potts, Rakowich, Redding, Rivera, Salvino, Schneider, Schuyler, Tribeck, and Weinstein. The Governor’s non-voting representative, Mr. Shipley, was also in attendance. Emeriti Trustees Clemens, Coppersmith, Eckel, Riley, Shaffer, Strumpf, and Wise were also present.

Present by invitation were faculty representatives Strauss and Taylor; Academic Leadership Council Chair Bechtel-Wherry; student representatives Cotarelo, Ford, Horne, Jordan, and Lichvar; representatives Blew, Ille, Pauley and Steele; and staff members Andrews, Basso, Dunham, Gray, Guadagnino, Hanes, Hillemeier, Jones, Lieb, Lokman, Moore, Mulroy-Degenhart, Pangborn, Poole, Sharkey, Sims, and Weidemann.

An opportunity for public comment was provided on November 4, 2016, at 8:00 a.m. in Senate Suites of the Penn Stater Conference Center Hotel. Three speakers shared their views:

Jeff Goldsmith, alumnus
Sandy Lane, community member
Alexander Shockley, student

Chairman Lubert called the meeting to order. He provided opening remarks which acknowledged the recent passing of former Trustees William Weiss and Walter Conti; and the phased retirement of outgoing Vice President for Outreach and Vice Provost for Online Education, Craig Weidemann. The Chair called on Dan Mead, who, in his role as Chair of the Committee on Finance, Business and Capitol Planning, acknowledged the service and upcoming retirement of Donna Newburg, Executive Assistant to the Sr. Vice President for Finance and Business/Treasurer; assistant secretary to the Board; and assistant secretary of the Corporation for Penn State. Following this, Chair Lubert introduced two Penn State students, Austin Sommerer and Neha Gupta, who shared their individual reflections on service and leadership.

Recorded remarks are available at [https://youtu.be/BafH_Ozq_zI](https://youtu.be/BafH_Ozq_zI)

The roll was called by Janine Andrews, Associate Secretary of the Board. Following the roll call, the Board voted to approve the Minutes of the meetings of the Board held on September 16, 2016 and October 14, 2016.

**President’s Report**

Dr. Barron began his report with a discussion of the Cleary report review. He then provided an update on the Invent Penn State initiative. He illustrated the progress with guest speakers including: Steve Benkovic, Evan Pugh University Professor and Eberly Chair in Chemistry, who has been conducting groundbreaking research at Penn State since 1965; two faculty members with intellectual property currently in the pipeline—Jeff Catchmark, professor of agriculture and biological engineering, and Nina Jenkins, senior research associate in the Department of Entomology; and one student and one alumna who have started companies during their time at Penn State—Hunter Swisher from Phospholutions and Mary Elizabeth McCulloch from
Project Vive. He concluded by saying that we have made great strides, but need to continue to do more to improve the pairings of entrepreneurs with our investors so we can commercialize ideas more quickly.

Recorded remarks are available at https://youtu.be/BafH_Ozq_zl; for companion slides, refer to Appendix I.

Informational Report of Student Mental Health at Penn State

Vice President for Student Affairs, Damon Sims, introduced Benjamin D. Locke, Senior Director for Counseling and Psychological Services, who reported on student mental well-being and services available at Penn State.

Reports from Standing Committees

Chairman Lubert advised that Standing Committees met in public session on Thursday, November 3, 2016, to consider any information or action items to come before the Board at the November 4, 2016 meeting. Any action item considered and voted on in the Committee was included in reports by the respective Committee chairs. The full Board was asked to consider Committee recommendations at the conclusion of each report.

A. Committee on Academic Affairs and Student Life

Chair Abe Harpster reported that the Committee on Academic Affairs and Student Life met on Thursday, November 3, with a quorum of the Committee present.

The Committee received the following items for information:

1. Information on Undergraduate Programs
   a) Bachelor of Science in Middle Level Education in the College of Education: New Major
   b) Bachelor of Science in Childhood and Early Adolescent Education to Bachelor of Science in Elementary and Early Childhood Education in the College of Education: Name Change
   c) Crime, Law, and Psychology at Penn State Erie, The Behrend College: New Minor

2. Information on Integrated Undergraduate/Graduate Programs
   a) Bachelor of Science in Psychology and Master of Science in Human Resources and Employment Relations in the College of the Liberal Arts: New Program
   b) Bachelor of Science in Biology and Master of Education in Curriculum and Instruction in the Eberly College of Science: New Program
   c) Bachelor of Science in Chemistry and Master of Education in Curriculum and Instruction in the Eberly College of Science: New Program
   d) Bachelor of Science in Mathematics and Master of Education in Curriculum and Instruction in the Eberly College of Science: New Program

The committee received updates from Rob Pangborn, Vice President and Dean for Undergraduate Education, on topics including the student engagement network and the Penn State Reads program. Shawn Lichvar, Vice President of the Council of Commonwealth Student Governments, updated the Committee about student government initiatives, the upcoming Student Town diversity and inclusion town hall, LionPath, and the student fee board. Damon Sims, Vice President for Student Affairs, introduced Paul Apicella, the University’s Title IX Coordinator and Director of the Office of Sexual Misconduct Prevention and Response, who provided an overview of developments in his office. The Committee received a presentation from Jim Strauss, the Faculty Senate Chairman, on the Senate priorities for the academic year and collaborative efforts. Finally, Lance Kennedy-Phillips and Barbara Masi from the Office of Planning and Assessment shared an update
on the Middle States Commission on Higher Education and spoke about goals for learning 
outcomes assessment at Penn State, including undergraduate, graduate, and certificate programs.

There were no action items presented to the Board.

B. **Committee on Audit and Risk**

Chair Walt Rakowich reported that the Committee on Audit and Risk met telephonically on Friday, 
October 21, with a quorum of the Committee present.

The Committee reviewed the roles and responsibilities matrix, and discussed the results of its self-
assessment survey; future meetings will include additional discussion of the self-assessment and 
the exploration of educational opportunities for the Committee. Dan Heist, Director of Internal Audit, 
provided an internal audit report, including future plans and outstanding items.

Engagement letters for Nittany Insurance and a required SRS audit were reviewed and approved 
by the Committee, and Joe Doncsecz, Associate Vice President for Finance and Corporate 
Controller, provided the Committee with a thorough review of the 2015 and 2016 audited financial 
statements. The Committee voted to accept on behalf of the Board the audited financial statements 
for the year ended June 30, 2016.

Joseph Doncsecz then provided a report on the University’s audited financial statements.

There were no action items presented to the Board.

C. **Committee on Compensation**

There was no meeting of the Committee on Compensation.

D. **Committee on Finance, Business and Capital Planning**

Chair Dan Mead reported that the Committee on Finance, Business, and Capital Planning met on 
Thursday, November 3, with a quorum of the Committee present.

The Committee received the following items for information:

1. **Information Items** –
   a) Reber Building Student Knowledge Commons, University Park
   b) Energy Savings Project at Various Buildings, University Park
   c) Nursing Sciences Building Faculty / Staff Clinic and Main Entrance Renovation, 
      University Park
   d) East Addition Office Construction, The Milton S. Hershey Medical Center
   e) Change the Name of the Information Sciences and Technology Building to 
      “Westgate Building,” University Park
   f) Naming of Rooms, Portions of Buildings, and Plazas
   g) Sale of Gifted Property at 2 East High Street, Lebanon, Pennsylvania
   h) Status of Major Construction Programs and Borrowing
   i) Conflict of Interest Disclosure

2. **Action Items** –
   j) Summary of Revised Funds
   k) Summary and Acknowledgement of New Funds and Major Commitments

Chair Mead noted that the Committee received reports on operational risk for financial funding from 
external resources. In advance of Thursday’s meeting, the Committee was provided with opportunities for briefings and inquiry on agenda items.

Chair Mead reported that the Committee reviewed and approved Items J and K of the Finance, 
Business, and Capital Planning Committee Consent Agenda by unanimous vote.
Chair Mead continued with his introductions of Agenda Items for consideration and approval. Agenda Item 2 proposed the appointment of an architect for the parking garage expansion at Penn State Behrend. Agenda Item 3 proposed the naming of the High-Pressure Gas Laboratory the Dr. Kenneth Kuo High-Pressure Gas Laboratory at University Park. The Committee approved the resolutions for Agenda Items 2 and 3 by unanimous vote.

Agenda Item 4 proposed the approval of graduate apartment rates. The Committee approved the resolution for Agenda Item 4 by unanimous vote.

Agenda Item 5 proposed new endowment levels. The Committee approved the resolution for Agenda Item 5 by unanimous vote.

Agenda Item 6 proposed the amended named annually-funded accounts. The Committee approved the resolution for Agenda Item 6 by unanimous vote.

Agenda Item 7 proposed the final plan approval and authorization to expend funds for Trippe Hall at Penn State Behrend in Erie. David Gray presented the plan for this item. The Committee approved the resolutions for Agenda Item 7 by unanimous vote.

The Committee on Finance, Business and Capital Planning recommended that the Board of Trustees approve the following resolutions:

1. **RESOLVED,** That the conditions governing certain existing scholarships, fellowships, awards, and similar funds previously established at the University, identified in the Summary of Revised Funds for the period August 22, 2016 to October 7, 2016, be revoked and that the Officers of the University are authorized to put into effect the revised regulations as requested by the donors.

2. **RESOLVED,** That the Board of Trustees gratefully acknowledges the generous contributions of the many friends of the University identified in the Summary and Acknowledgement of New Funds and Major Commitments, in support of endowments, funds, and other major commitments as reported to the Committee on Finance, Business and Capital Planning at its meeting of November 3, 2016.

   **FURTHER BE IT RESOLVED,** That the Officers of the University are authorized to convey the Board's appreciation to these generous benefactors who provide opportunities for many students to receive a quality education.

3. **RESOLVED,** That the Officers of the University are authorized to employ the firm of Weber Murphy Fox of Erie, Pennsylvania, to design the proposed expansion of the parking garage at Penn State Behrend.

4. **RESOLVED,** That the High-Pressure Laboratory at University Park is named the "Dr. Kenneth Kuo High-Pressure Gas Laboratory."

5. **RESOLVED,** that the monthly lease rates for graduate apartments at University Park 2017-18 be increased as shown in Appendix V attached hereto and which are part of this resolution.

6. **RESOLVED,** That the Board of Trustees approves the establishment of new endowment and activation levels, effective immediately, as specified.

   - University-Named Associate or Assistant Dean's/Chancellor’s
   Chair: $4,000,000
7. RESOLVED, That University policies establishing or accepting funds for endowed or named annually funded accounts be amended, effective immediately, as specified.

- Faculty Chair at $100,000 per year for 5 years
- Professorships at $50,000 per year for 5 years
- Faculty Fellowship at $37,500 per year for 5 years
- Early Career Professorship at $25,000 per year for 5 years (no University match)
- Graduate Fellowship at $30,000 per year for either 3 or 5 years

A motion to approve the foregoing resolutions as recommended by the Committee on Finance, Business and Capital Planning was made and seconded and approved by the Board.

E. Committee on Governance and Long-Range Planning

Chair Betsy Huber reported that the Committee on Governance and Long-Range Planning met Thursday, November 3, with a quorum of the Committee present.

The Committee received a report from Executive Vice President and Provost, Nick Jones, on the Strategic Plan implementation; and updates on the January 2017 Board Retreat and Trustee professional development. The Committee is reviewing the skills and experience inventory which will be published in January for the benefit of constituencies that participate in the election of Trustees.

For Agenda Item 5-E-1, the Board voted to table this item to permit further discussion on this matter.

The Committee on Governance and Long-Range Planning recommended that the Board of Trustees approve the following resolution:

1. RESOLVED, That Section 3.03(f)(vi) of the Bylaws of The Pennsylvania State University be amended as set forth in the appendix and presented at the meeting on November 4, 2016.

A motion to approve the foregoing resolutions as recommended by the Committee on Governance and Long-Range Planning was made and seconded and approved by the Board.

F. Committee on Legal and Compliance

Rick Dandrea, Chair of the Committee on Legal and Compliance, reported that the Committee met on Thursday, November 3, with a quorum of the Committee present.

The Legal and Compliance Committee received a report from Athletics Integrity Officer Julie Del Giorno, who reviewed the Big Ten conference standards for the governance of intercollegiate athletics, and noted the filing of a related annual report. Steve Dunham, Vice President and General Counsel, addressed legal topics in higher education as identified by fellow general
counsels at other colleges and universities. Finally, Regis Becker, University Ethics and Compliance Director, led a discussion on the cost-effectiveness of Penn State’s compliance efforts.

There were no action items presented to the Board.

Following the public meeting, the Committee received a privileged legal update in Executive session.

G. Committee on Outreach, Development and Community Relations

Ryan McCombie, Chair of the Committee on Outreach, Development and Community Relations, reported that the Committee met Thursday, November 3, with a quorum of the Committee present.

The Committee received a report from Craig Weidemann on the history and status of the World Campus and the Transforming Education Task Force. Lawrence Lokman, Vice President for Strategic Communications, reviewed crisis Communications protocols and procedures. The Committee received a briefing on plans for Military Appreciation Week from Todd Bacastow, professor of practice for geospatial intelligence. Finally, the Committee received a report from Penn State Alumni Association President Kevin Steele, and Paul Clifford, Chief Executive of the Penn State Alumni Association and Associate Vice President for Alumni Relations.

There were no action items presented to the Board.

Authorization to Confer Degrees

The Board of Trustees voted to authorize the President of the University to confer degrees at the end of the 2017 Spring Semester, Summer Session, and Fall Semester upon those students who have completed at those times the necessary requirements.

Proposed Date of Election of Trustees by Delegates from Agricultural Societies, by the Alumni, for Business and Industry, At-Large, Faculty, and Student

The Board of Trustees voted to approve May 4, 2017 as the date for the delegate election of agricultural trustees, and for counting the ballots in the alumni election; and approved May 5, 2017 as the date for the election of business and industry and at-large trustees.

Selection of Recipients of the 2016 Distinguished Alumni Award

Ira M. Lubert, Chairman, presented the recommendations from the Distinguished Alumni Award Screening Committee meeting on November 3, 2016.

Ballots were distributed and, following the voting, were counted by tellers Tom Poole and Neil Sharkey. Chairman Lubert reported that the following eight individuals had been selected as recipients of the Distinguished Alumni Award for 2017:

- Roland J. Fryer, Jr.
- Samuel E. Hayes, Jr.
- Martha B. Jordan
- Donald R. King
- Mary Beth Long
- Nicholas Maiale
- J. David Rogers
- D. Brooks Smith
Recommendations for the Approval of Administrative Appointments

Prior to the meeting on November 4, 2016, the Board was informed of President Barron’s recommendations for the appointment of O. Richard Bundy III as Vice President for Development and Alumni Relations, effective January 1, 2017; the appointment of Michael Kubit to the position of Vice President for Information Technology and Chief Information Officer, effective January 1, 2017; and the appointment of Gary Gildin to continue in his leadership role as Dean of Dickinson Law.

The aforementioned recommendations were moved and seconded and approved by the Board.

Announcements by the Chairman of the Board of Trustees

Trustee Anthony Lubrano provided remarks.

Chair Lubert called for other matters to come before the Board. There being no additional business, the public meeting was adjourned at 3:21 p.m.

The meeting is available in its entirety at https://youtu.be/BafH_Ozq_zI

Respectfully submitted,

Janine S. Andrews
Associate Secretary,
Board of Trustees
Invent Penn State Update:
Projects, People and Progress

Presented to the Board of Trustees
November 4, 2016
A quick look at Penn State and entrepreneurship

• https://drive.google.com/file/d/0B-00Yfz_alQWlXk4RzdkeFpBXzg/view
Launched January 2015

Goal: Drive job creation, economic development and student career success
Invent Penn State Areas of Focus

1. Internal: Transforming our ability to promote economic development
2. External: Promoting visibility for our intellectual property
3. Creating an entrepreneurial ecosystem around our campuses: Develop startups and attract companies
4. Students: Enhancing entrepreneurship and career success
1. Internal: Transforming our ability to promote economic development (examples)

- Funding for commercialization (Fund for Innovation)
- University-community collaborations
- SEED grants to Commonwealth Campuses
- Investment in Invent Penn State staff
- Dedicated resources to expanding innovation in $6.54 billion EdTech Industry
Meet Dr. Steve Benkovic

- Evan Pugh University Professor and Eberly Chair in Chemistry
- Named first Invent Penn State Inventor of the Year
- Joined Penn State in 1965 and is renowned for his pioneering research and discoveries at the interface of biology and chemistry
- Received the National Medal of Science, Benjamin Franklin Medal of Science, and dozens of other awards
- His work has been of fundamental importance in the design of cancer drugs and antibiotics
- Co-founder of pharmaceutical company Anacor, recently sold to Pfizer for $5.2 billion
2. External: Promoting visibility for IP (examples)

• First Venture & IP Conference held Oct. 6&7
• It was successful beyond all expectations:
  – nearly 600 attendees
  – 95 startups
  – 60 professional investors
  – 39 sponsors and dozens of student entrepreneurs
  – Nearly $200,000 was awarded in competitions to startup companies and IP-based technologies
2. External: Promoting visibility for IP (examples)

- Invention disclosures (144) are up 23%
- Licensing revenue for 2016 is already our highest revenue year in Tech Transfer (more than double our next best year)
- Nearly 40% of our patents are licensed annually
- Penn State has the most industry-friendly IP policy among universities—and first to develop it
- Penn State just established the Office for Entrepreneurship & Commercialization to connect entrepreneurs with faculty, students and staff across PA
Meet Dr. Jeff Catchmark

- Professor of Agricultural and Biological Engineering
- 9 years of industrial experience in product development and commercialization and 17 years of academic experience
Biofoams for wound care: a story of innovation at Penn State
Wound care impacts every human being

- Cuts and abrasions
- Deep wounds
- Burns
- Chronic wounds
- Surgical wounds
- Traumatic wounds
- Battlefield wounds

*U.S. market > $6 billion in 2015*
Distant beginnings: A passion to stop pollution

“The great garbage patch”
A new biofoam was born!

How do you translate technology to make an impact?
- Start with higher value applications!

PSU Starch based biofoam

Styrofoam
Interdisciplinarity: Penn State’s engine of innovation

Materials Research Institute Biomaterials Innovation Group:
~ 25 faculty including doctors from Hershey

Hershey Medical Center

Millennium Science Complex
Building interdisciplinary collaborations

Scott Armen, MD, FACS, FCCP, FCCM
Melissa Linskey, MD
Jingxuan Yang, Ph.D. student
College of Agricultural Sciences: Making it RAIN opportunities

Ben Franklin TechCelerator Program
## Product comparison

<table>
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<tr>
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<th>PSU biofoam</th>
<th>Gauze</th>
<th>Surgifoam</th>
<th>Hemcon</th>
<th>Quikclot</th>
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<tr>
<td><strong>Absorbing</strong></td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
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<td></td>
<td></td>
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<tr>
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<td></td>
<td></td>
<td>✓</td>
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<td><strong>Approximate cost</strong></td>
<td>Materials:</td>
<td>$0.10/sponge or pad</td>
<td>$0.25/pad</td>
<td>$10/sponge</td>
<td>$30/pad</td>
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Thank you!
Meet Dr. Nina Jenkins

• Senior Research Associate, Department of Entomology
• 20 years of experience researching and developing biopesticides
• Collaborated in development of Green Muscle for locust/grasshopper control; now owned by BASF
Biopesticide for control and prevention of bed bugs

CEO - Nina Jenkins  nej2@psu.edu  www.conidiotec.com
CTO - Giovani Bellicanta  gsb12@psu.edu  www.aprehend.com
Chemical treatments

- Require 3 separate applications
- Need long-term exposure
- Increasing chemical resistance
**Active Ingredient:**
Beauveria bassiana strain I93-825 ............. 2 %

**Other Ingredients:** ................................ ................................ . 98 %

**Total:** ................................ .................................................... 100 %

*Contains a minimum of 2.2 X 10\(^9\) viable spores per milliliter.

**KEEP OUT OF REACH OF CHILDREN**

**CAUTION**

**FIRST AID**

- If in eyes
  - Hold eye open and rinse slowly and gently with water for 15 – 20 minutes.
  - Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye.
  - Call a poison control center or doctor for treatment advice.

- If inhaled
  - Move person to fresh air.
  - If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth if possible.
  - Call a poison control center or doctor for further treatment advice.

- If swallowed
  - Call a poison control center or doctor immediately for treatment advice.
  - Have person sip a glass of water if able to swallow.
  - Do not induce vomiting unless told to do so by the poison control center or doctor.
  - Do not give anything by mouth to an unconscious person.

**HOT LINE NUMBER**

Have the product container or label with you when calling a poison control center or doctor, or going for treatment. You may also contact 1-800-222-1222 for emergency medical treatment information.

**EPA Reg. No.:** (pending as File Symbol 89186-E)

**EPA Est. No.:** 89186-PA-001

**Net Weight:** XX

**(Batch)(Lot) No:** XXXX

**Manufactured by:** ConidioTec
State College
PA 16803

**APREHEND™ application**
### Why APREHEND™?

<table>
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<tr>
<th>Advantages</th>
<th>APREHEND™</th>
<th>Chemical</th>
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<tr>
<td>Single application</td>
<td>Yes</td>
<td>No</td>
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<tr>
<td>PCO labor cost</td>
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<td>$$$</td>
</tr>
<tr>
<td>PCO profit</td>
<td>$$$</td>
<td>$</td>
</tr>
<tr>
<td>Residual activity (Efficacy)</td>
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<td>Up to 1 month</td>
</tr>
<tr>
<td>Prevention</td>
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<td>No</td>
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<tr>
<td>Natural and non-toxic</td>
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Market Strategy & Expansion

- Bed bug remediation
- Quarterly Preventive Treatments
- Overseas
- Canada - Europe
- 2015 - US
- 5 million hotel rooms
- $236 Million annually

2015 - US 5 million hotel rooms

Board of Trustees
11/4/2016

Apprendix I
Milestones

2013 – Patent pending

2016 – EPA registration

2016 – State Registrations

Product sales - 2017
Penn State Resources

- TechCelerator (4 & 10-week courses)
- College of Ag. Research Applications for Innovation (RAIN)
- Ben Franklin
- Entrepreneurship and Innovation program (College of Ag)
- Invent Penn State (VIP conference)
- Small Business Development Center (Penn State SBDC)
- PennTap
- Center County Industrial Development Corporation (IDC)
- Innovation Park
Funding

• North East Regional IPM (USDA NIFA) $21,000
• IR4 (USDA NIFA) $40,000
• PSU College of Ag. RAIN grant funding $50,000
• Combined prize money from Ben Franklin $36,000
• North Carolina Biotech prize money $2,500
• Penn State Innovation Programs Discovered and Developed in PA $5,000
• Penn Tap (student bursary) $1,500

Total Pre-operational funding $156,000

• Founders investment $50,000
• Committed investors $150,000
• Ben Franklin (Loan) $150,000

Total Start-up capital $350,000
Thank you!

CEO - Nina Jenkins  nej2@psu.edu  www.conidiotec.com
CTO - Giovani Bellicanta  gsb12@psu.edu  www.aprehend.com
3. Creating ecosystems: Develop startups and attract companies (examples)

- Funding 13 innovation hubs at Commonwealth Campuses across Pennsylvania – 6 more with successful proposals + 3 planning grants
- Business startup training (Incubators and LaunchBoxes).
- 20 new startups in the Happy Valley LaunchBox alone
- Collaborations with companies like the Volvo Group, who was named 2016 Partner of the Year
3. Creating ecosystems: Develop startups and attract companies (examples)

- Partnering with EdTech companies and accelerator Dreamit to attract young companies including InsideTrack
  - 18 companies have gone through Dreamit accelerator; 10 companies have graduated; 3 working pilots
- Summer Founders Program: Connects alumni entrepreneurs with undergraduates to launch companies. 12 new companies have participated.
- Legal assistance to form companies & protect IP
- University-community collaborations
4. Students: Enhancing entrepreneurship and student career success (examples)

- Created and connected entrepreneurship-focused academic programs in numerous colleges/campuses
- Redefining the entrepreneurship experience and its role adding value to a 4-year degree
- Entrepreneurship and Innovation Minor
- Partnerships and collaborations (30 Penn State students have had internships with Dreamit companies)
4. Students: Enhancing entrepreneurship and student career success (examples)

- HackPSU Ed Tech Challenges and other competitions
- EdTech Network created Nittany Watson Challenge
  - In partnership with IBM, students and faculty will explore the potential of Watson computer to transform education and advance World Campus capabilities
  - Challenge kicks off in Jan. 2017 with Watson Immersion and Idea Generation Event
  - Concludes July 2017
Student Pitch: Phospholutions

• Presenter: Hunter Swisher
• Team: Swisher and Erin Knabe
• This startup was borne out of research conducted in the College of Agricultural Sciences
• Company was started in April
Alumna Pitch: Project Vive

• Presenter: Mary Elizabeth McCulloch ‘16
• Inspiration for company came from working in Ecuador with individuals with cerebral palsy
• Product is designed to make communication easier
• Recently received first patent
In Summary

• We have made great strides, but we need to do more
• Need to improve our ranking for tech transfer
• Need to continue to build capital
• Need to improve pairings of entrepreneurs with our investors to help them commercialize more quickly
• Stay focused on increasing interest in innovation among our undergraduates; they are the future
Thank you!
Proposed change to Bylaws Section 3.03(f)(vi)

Committee on Outreach, Development and Community Relations. The Committee on outreach, development and community relations shall consist of not less than five (5) appointive members, in addition to the ex officio members. The Committee shall provide advice to the University's efforts to promote the value of Penn State and a Penn State degree in ways that attract donor, community and governmental support and help recruit the very best faculty, students and staff.

Regular reports to the committee shall include:

1. Short, intermediate, and long-term communication plans from the University's Vice President for Strategic Communications;

2. Updates on town and gown relations;

3. Major alumni association activities;

4. Major development activities;

5. Critical governmental relations activities;

6. Updates from the Vice President for Outreach and Vice Provost for Online Education, including with respect to the integration of digital learning initiatives and success, including the World Campus, integration into the classroom and hybrid learning;

7. Review of the University's crisis communications plans and activities; and

8. Reports on significant research activities and progress.

The Committee on Outreach, Development and Community Relations shall assume such additional responsibilities as may from time to time be assigned by the Chair of the Board of Trustees with the approval of the Board of Trustees.
Current language of Section 3.03(f)(vi)

Committee on Outreach, Development and Community Relations. The committee on outreach, development and community relations shall consist of not less than five (5) appointive members, in addition to the ex officio members and shall, in concert with the University’s leadership, engage regularly with the University’s major constituents including the faculty, staff, students, alumni, supporters, relevant state and local government agencies and officials, business leaders and the public. It shall assume such additional responsibilities as may from time to time be assigned by the Chair of the Board of Trustees with the approval of the Board of Trustees including, but not limited to:

1. Educating constituents about the role and responsibilities of the Board of Trustees;

2. Communicating the value of the University to all constituents at all locations; and

3. Developing short and long term communication plans consistent with University priorities.