



Morning Session Schedule, Thursday August 10th

| Session Time | | |
|----------------------|---|--|
| 7:30 AM | Sponsor Set Up | |
| 8:00 AM 8:55 AM | Registration | |
| 9:00 AM 9:10 AM | Conference Opening Mr. Patrick O'Malley Lackawanna County Commissioner | |
| 9:10 AM 9:55 AM | Opening Keynote Ms. Nancy Lawton-Kluck Chief Philanthropy Officer Geisinger Health System Dr. Michael Murray Director of Clinical Genomics Geisinger Health System <i>Transforming Disease Prevention with GenomeFIRST</i> | |
| 10:00 AM 10:25 AM | Medical Devices Invited Talk #1 Dr. Abas Sabouni Wilkes University <i>Future Technology for Breast Cancer Imaging, Detection, and Monitoring Treatment</i> | Bioinformatics Invited Talk #1 Dr. Shuxian Li PrimBio Research Institute <i>Characterizing Human Microbiome with 16S rRNA Profiling</i> |
| 10:30 AM 10:55 AM | Break | |
| 11:00 AM | Healthcare Innovation Invited Talk #1 Mr. Chason Sordoni, COO SnapSlide <i>Revolutionizing Containers</i> | Basic Research Invited Talk #1 Dr. Sonia Planey Geisinger Commonwealth School of Medicine <i>Development of Mechanism-Based Therapeutic Interventions for Interstitial Cystitis</i> |
| 11:30 AM 11:55 AM | Medical Devices Invited Talk #2 Dr. Lesley Chow Lehigh University <i>Designing Spatially Organized Biomaterials to Guide Tissue Regeneration</i> | Bioinformatics Invited Talk #2 Mr. Chris Tokadi Medtrics Lab <i>Hidden Costs of Healthcare: Administrative Time and Waste</i> |
| Noon | Lunch | |



Afternoon Session Schedule, Thursday August 10th

| Session Time | | | | | | |
|--|--|---|---|--|---|---|
| Noon 12:55 PM | <p>Lunch Keynote: Dr. Kent Kester</p> <p>Vice President, Sanofi Pasteur</p> <p><i>Vaccines & Public Health: A Perspective</i></p> | | | | | |
| 1:00 PM 1:55 PM | <p>Panel Discussion -The Emerging Role of Additive Manufacturing in Bioscience</p> <table border="0" style="width: 100%;"> <tr> <td style="width: 25%; text-align: center;"> <p>Mr. Chris Joest President Imperial Machine and Tool</p> </td> <td style="width: 25%; text-align: center;"> <p>Dr. Lesley Chow Assistant Professor Lehigh University</p> </td> <td style="width: 25%; text-align: center;"> <p>Mr. Ed Graham Engineering Manager ProtoCAM</p> </td> <td style="width: 25%; text-align: center;"> <p>Mr. Brian Garvey VP Product Development Marketing Flower Orthopedics</p> </td> </tr> </table> | | <p>Mr. Chris Joest President Imperial Machine and Tool</p> | <p>Dr. Lesley Chow Assistant Professor Lehigh University</p> | <p>Mr. Ed Graham Engineering Manager ProtoCAM</p> | <p>Mr. Brian Garvey VP Product Development Marketing Flower Orthopedics</p> |
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| 2:00 PM 2:25 PM | <p>Healthcare Innovation #2 Mr. Kevin Wu & Mr. Barry Demansky Musculoskeletal Tissue Foundation</p> <p><i>Biologics Solutions Based on Human Allograft Tissue Science and Technologies</i></p> | <p>Basic Research Invited Talk #2 Dr. Terry Sweeney University of Scranton</p> <p><i>The Scranton Cardiovascular Model – Clarify Cardiovascular Function in Scientific and Clinical Settings</i></p> | | | | |
| 2:30 PM 2:55 PM | <p>Medical Devices Invited Talk #3 Dr. Gregory Harms Wilkes University</p> <p><i>Early Detection of Alzheimer’s Disease and Model Mice: Imaging, Behavior, and Blood Biomarker Analysis</i></p> | <p>Bioinformatics Invited Talk #3 Dr. William McLaughlin Geisinger Commonwealth School of Medicine</p> <p><i>A Stand-Alone Integration Platform for the Annotations of Protein Structures That Enables Disease to Medication Searches</i></p> | | | | |
| 3:00 PM 3:25 PM | Break | | | | | |
| 3:30 PM 3:55 PM | <p>Healthcare Innovation Invited Talk #3 Mr. Drew Kearney, CEO and Co-Founder Signallamp Health</p> <p><i>Why Our Healthcare System Resists Innovation & What To Do About It</i></p> | <p>Basic Research Invited Talk #3 Dr. Yaling Liu Lehigh University</p> <p><i>Biomimetic Microfluidic Devices for In situ Cell Culturing, Drug Evaluation and Early Cancer Diagnosis</i></p> | | | | |
| 4:00 PM 4:25 PM | <p>Medical Devices Invited Talk #4 Dr. Chao Zhou Lehigh University</p> <p><i>Ultrahigh-Speed Optical Coherence Tomography and its Applications</i></p> | <p>Bioinformatics Invited Talk #4 Dr. Wonpil Im IMMS Tech</p> <p><i>CHARMM_GUI for Biomolecular Modeling and Simulation, and Its Commercialization Path</i></p> | | | | |
| 4:30 PM 4:55 PM | <p>Healthcare Innovation Talk #4 Ms. Marilyn White NRCI</p> <p><i>Northeast Regional Cancer Institute: A Model of Cooperation</i></p> | <p>Basic Research Invited Talk #4 Jillian Conte Fesolovich Keystone College</p> <p><i>Forensic Biology in NEPA: Collaborations, Research & Education</i></p> | | | | |
| 5:00 PM | Evening Mixer and Student Poster Session | | | | | |



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|---|--|---|---|--|---|--|--|---|
| 8:00 AM 8:55 AM | Meet the Speakers Breakfast | | | | | | | |
| 9:00 AM 9:25 AM | <p>Friday Morning Keynote</p> <p>Dr. Stephen Dahmer Chief Medical Officer</p> <p>Vireo Health</p> <p><i>Cannabinoid Based Medicines Role in the Treatment of Chronic Pain: Harm Reduction Evidenced-Based Compassionate Care</i></p> | | | | | | | |
| 9:30 AM 10:10 AM | <p>Panel Discussion – Funding Bioscience Entrepreneurship and Innovation</p> <table border="0" style="width: 100%;"> <tr> <td style="text-align: center; vertical-align: top;"> <p>Mr. James Marciano Managing Director Strategic Exit Advisors</p> </td> <td style="text-align: center; vertical-align: top;"> <p>Ms. Laura Ducceshi President & CEO Scranton Area Foundation</p> </td> <td style="text-align: center; vertical-align: top;"> <p>Mr. Jeff Snellenburg President PA Angel Network</p> </td> <td style="text-align: center; vertical-align: top;"> <p>Ms. Ngozi Bell Entrepreneur and Investor</p> </td> </tr> </table> | | | | <p>Mr. James Marciano Managing Director Strategic Exit Advisors</p> | <p>Ms. Laura Ducceshi President & CEO Scranton Area Foundation</p> | <p>Mr. Jeff Snellenburg President PA Angel Network</p> | <p>Ms. Ngozi Bell Entrepreneur and Investor</p> |
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| 10:15 AM 10:25 AM | Break | | | | | | | |
| 10:30 AM 10:55 AM | <p>Medical Devices Invited Talk #5 Mr. Blaise Delfino, CEO and Co-Founder Fader Plugs</p> <p><i>The Evolution of Hearing Protection and In-Ear Computational Devices</i></p> | <p>Bioinformatics Invited Talk #5 Dr. William Terzaghi Wilkes University</p> <p><i>Using Bioinformatics and Synthetic Biology for Bioremediation of Atazine and to Develop Novel Treatments for Kidney Stones</i></p> | | | | | | |
| 11:00 AM 11:25 AM | <p>Healthcare Innovation Invited Talk #5 Mr. Daniel Summa, Executive Director U.S. Ecological Advanced Research & Conservation Hub</p> <p><i>Using Machine Intelligence to Cure Lyme Disease</i></p> | <p>Basic Research Invited Talk #5 Dr. Lisa Antoniaci Marywood University</p> <p><i>Do Chromosome Dynamics Revolve Around the Sun? A Characterization of the SUN-domain Protein Mps3 and its Implications in Human Disease</i></p> | | | | | | |
| 11:30 AM 11:55 AM | <p>Medical Devices Invited Talk #6 Dr. Harry Schmaltz Scranton Orthopaedic Specialists</p> <p><i>Save the ACL! It's Not Just For Athletes Anymore</i></p> | <p>Bioinformatics Invited Talk #6 Mr. Michael Smith Geisinger Health System</p> <p><i>Informatics and Their Importance in Healthcare Today</i></p> | | | | | | |
| Noon | Lunch | | | | | | | |



Afternoon Session Schedule, Friday August 11th

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|---|---|---|---|--|---|---|---|---|
| Noon | <p style="text-align: center;">Lunch</p> <p style="text-align: center;">Lunch Keynote – Mr. Matt Florence</p> <p style="text-align: center;">Project Manager</p> <p style="text-align: center;">TreMonti Consulting</p> <p style="text-align: center;"><i>Commercializing Innovation</i></p> | | | | | | | |
| 1:00 pm 1:25 pm | <p style="text-align: center;">Healthcare Innovation Invited Talk #6 Attorney Jennifer Walsh, SVP The Wright Center</p> <p style="text-align: center;"><i>Harnessing Technology to Foster a Learning Culture Focused on Quality Improvement</i></p> | <p style="text-align: center;">Basic Research Invited Talk #6 Dr. Jun Ling Geisinger Commonwealth School of Medicine</p> <p style="text-align: center;"><i>Physiological Functions of PAK2 Kinase in Cancer Development</i></p> | | | | | | |
| 1:30 pm 1:55 pm | <p style="text-align: center;">Healthcare Innovation Invited Talk #7 Mr. Ed Connors, CEO Heudia Health</p> <p style="text-align: center;"><i>From Vision to Value – Aligning Medical Care with the Social Determinants of Health</i></p> | <p style="text-align: center;">Bioinformatics Invited Talk #7 Dr. Del Lucent Wilkes University</p> <p style="text-align: center;"><i>Protein Folding and Design: Interdisciplinary Science in a Digital Laboratory</i></p> | | | | | | |
| 2:00 PM 2:55 PM | <p style="text-align: center;">Panel Discussion - The Future of Bioscience</p> <table style="width: 100%; border: none;"> <tr> <td style="width: 25%; text-align: center; vertical-align: top;"> <p>Dr. Chris Peters Medical Director Northeast Radiation Oncology Centers</p> </td> <td style="width: 25%; text-align: center; vertical-align: top;"> <p>Mr. Jim McGovern Superintendent Lake-Lehman School Dist.</p> </td> <td style="width: 25%; text-align: center; vertical-align: top;"> <p>Dr. Ray Person Professor Lehigh University</p> </td> <td style="width: 25%; text-align: center; vertical-align: top;"> <p>Mr. Justin Davis Chief Executive Officer Commonwealth Health</p> </td> </tr> </table> | | | | <p>Dr. Chris Peters Medical Director Northeast Radiation Oncology Centers</p> | <p>Mr. Jim McGovern Superintendent Lake-Lehman School Dist.</p> | <p>Dr. Ray Person Professor Lehigh University</p> | <p>Mr. Justin Davis Chief Executive Officer Commonwealth Health</p> |
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| 3:00 PM | <p style="text-align: center;">Conference Closing Remarks</p> | | | | | | | |