QED Participant Archive
2009 – 2013

ROUND 6

Roy Stevens, DDS, M.S., (Temple University)
*Development of a therapeutically-useful bacteriophage for treatment of antibiotic-resistant Enterococcal infections*

Jonathan Soboloff, Ph.D. (Temple University)
*Inhibition of bone erosion using haloanalides as blockers of osteoclast differentiation*

Samuel Gunderson, Ph.D. (Rutgers University)
*In vivo validate therapeutic ligand-coupled anti-KRAS U1 Adaptors for pancreatic cancer*

Chao Zhou, Ph.D. (Lehigh University)
*Ultrahigh Speed Optical Coherence Tomography and Its Applications*

James Pilla, Ph.D. (University of Pennsylvania)
*Minimally Invasive Optimal Reshaping of the Dilated Heart*

Benjamin Blass, Ph.D. (Temple University)
*GLT-1 Expression Modulator Useful for the Treatment of Amyotrophic Lateral Sclerosis*

Mark Kester, Ph.D. (Pennsylvania State University)
*Development of an Acid Stable NanoLiposomal Formulation for Insulin*

Treena Arinzeh, M.S.E., Ph.D. (New Jersey Institute of Technology)
*An electroactive scaffold for cartilage repair*

Rose Ann DiMaria-Ghalili, Ph.D. (Drexel University)
*Smart Cup: Development of a device to monitor liquid intake (White Paper Draft for Feedback)*
R. Nick Bryan, M.D., Ph.D., FACR (University of Pennsylvania)
Rad Report: Computer Application for Medical Image Interpretation

John Wawrzyniak, M.S., M.B.A. (Pennsylvania State University)
Mobile Medical App for Physical Therapists: Rehab@Home

Christof Daetwyler, M.D. (Drexel University)
WebOSCE: A case-based on-line system for the practice, assessment, and feedback of healthcare communication skills

Joseph Picone, Ph.D. (Temple University)
Automatic Generation of EEG Reports Using Deep Learning

Joseph Sassani, M.D., M.S.A. (Pennsylvania State University)
Preparation of a Universal Microsurgical Simulator for Commercialization

ROUND 5

Benjamin Abella, M.D. (University of Pennsylvania)
Smartphone App for post-cardiac arrest therapeutic hypothermia

William Craelius, M.S., Ph.D. (Rutgers University)
Smartphone-guided rehabilitation exercise

Christof Daetwyler, M.D. (Drexel University)
WebOSCE: A case-based on-line system for practice, assessment, and feedback of healthcare communication

Robert Grundmeier, M.D. (Children's Hospital of Philadelphia)
The Care Assistant: Web-Based Healthcare Decision and Workflow Support for Clinicians and Families

Anant Madabhushi, M.S., Ph.D. (Case Western Reserve University)
ProstaCAD™ Computerized Image Analysis and Decision Support Program
Joseph Sassani, M.D., M.S.A. (Pennsylvania State University)
Preparation of a Universal Microsurgical Simulator for Commercialization

Ryan Zurakowski, Ph.D. (University of Delaware)
A Method for Detecting and Quantifying Cryptic Replication of HIV Using 2-LTR Measurements

Treena Arinzeh, Ph.D. (New Jersey Institute of Technology)
An electroactive scaffold for cartilage repair

George Cotsarelis, M.D. (University of Pennsylvania)
PGD2 inhibitors as a novel treatment for alopecia

Michael Dunn, M.S., Ph.D. (Rutgers University)
MeniscoFix: A Novel Fiber-Reinforced Scaffold for Reconstruction of the Meniscus of the Knee

Kenneth Markowitz, DDS, M.S.D. (Rutgers University)
Dental drug delivery system to treat inflammation of the dental pulp

Wei-Heng Shih, Ph.D. (Drexel University)
A Quantitative Molecular Imaging Tool for Assessing Breast Cancer Margin ex vivo

Robert Sikes, Ph.D. (University of Delaware)
A new class of antiandrogens for treating of prostate cancer

Joyce Tombran-Tink, Ph.D. (Pennsylvania State University)
Neuroprotective Proteins in the Retina

ROUND 4

Hwyda A. Arafat, M.D. Ph.D. (Thomas Jefferson University)
COL6A3 Isoforms in Pancreatic Cancer Diagnosis

Paul H. Axelsen, M.D. (University of Pennsylvania)
Rapid Skin Disinfection
Timothy J. Cunningham, Ph.D. (Drexel University)
Simple monitoring of systemic sPLA2 activity for treatment of MS and other inflammatory disorders

Mayuresh V. Kothare, M.S., Ph.D. (Lehigh University)
Miniaturization of Medical Oxygen Concentrator (MOC)

Alex A. Messinger, M.S. (Philadelphia University)
Creation and evaluation of the antimicrobial and biocidal activity of novel, bioactive artificial fabrics

Karen Moxon, M.S. Ph.D. (Drexel University)
Seizure prediction based on neuronal synchrony

Ulrich Rodeck, M.D. (Thomas Jefferson University)
Radioprotection potential of neuroprotective agents assessed in zebrafish embryos

Kathryn Uhrich, B.S., Ph.D., (Rutgers University)
Polymeric NSAIDs for Ophthalmic Inflammatory Disease

Lei Yu, M.S., Ph.D. (Rutgers University)
A novel drug candidate for treating chronic neuropathic pain

Xilin Zhao, Ph.D. (Rutgers University)
A Novel, gas-based therapy for tuberculosis

ROUND 3

Ari Brooks, M.D. (Drexel University)
Electrical plasma activated lock solution to reduce catheter related infections

Linda Couto, Ph.D. (Children’s Hospital of Philadelphia)
Use of Artificial Micro-RNA Clusters to Treat Hepatitis C Virus Infection

Marina D’Angelo, Ph.D. (Philadelphia College of Osteopathic Medicine)
Metalloprotease peptide derivative therapeutics for osteoarthritis
Marija Drndic, A.M., Ph.D. (University of Pennsylvania)
Nanopore Box for Rapid Electronic Detection of Micro-RNAs

Robert Gorman, M.D. (University of Pennsylvania)
Percutaneous Approach to Prevent Heart Failure after Heart Attacks

Wayne Hancock, Ph.D. (University of Pennsylvania)
Therapy of Autoimmune Colitis Using a TIP60 Inhibitor

Vladimir Muzykantov, M.D., Ph.D. (University of Pennsylvania)
Novel recombinant anti-thrombotic agents targeted to erythrocytes

Louise Showe, Ph.D. (The Wistar Institute)
Clinical test for lung cancer using whole blood samples

George Tuszynski, Ph.D. (Temple University)
Differentiation Therapy for Leukemia

Anthony Yeung, M.D. (Fox Chase Cancer Center)
Early Detection of Pancreatic Cancer

ROUND 2

Iraimoudi Ayene, Ph.D. (Main Line Health)
A single agent disulfide chemotherapeutic compound that selectively targets regions of tumor with low glucose content

Diva, De León-Crutchlow, M.D. MSCE (Children’s Hospital of Philadelphia)
Antagonists in the Treatment of Congenital Hyperinsulinism

Joseph, DiRienzo, Ph.D. (University of Pennsylvania)
Targeted inhibition of cancer stem cells

Joseph Gorman, M.D. (University of Pennsylvania)
Minimally Invasive Off Pump Mitral Valve Replacement
Samuel Gunderson, Ph.D. (Rutgers University)
Gene silencing in mouse by nanocarrier delivery of U1 Adaptor oligonucleotides

Robert Levy, M.D. (Children’s Hospital of Philadelphia)
Preventing Restenosis with Local Delivery of Magnetic Nanoparticles (MNP) for Targeting Stents

Chang-Ming Charlie Ma, Ph.D. (Fox Chase Cancer Center)
4D-CT reconstruction for free-breathing patients without respiratory monitoring

Marja Nevalainen, M.D., Ph.D. (Thomas Jefferson University)
Development of pharmacological small-molecule inhibitor for Stat5a/b for cancer therapy.

John Nosek, Ph.D. (Temple University)
Guidance, Assessment & Information System (GAINS)

Douglas Smith, M.D. (University of Pennsylvania)
Colorimetric Blast Injury Dosimeter

ROUND 1

Frank Chang, Ph.D. (Temple University)
Diagnostics for early detection of breast cancer

Scott Diamond, Ph.D. (University of Pennsylvania)
Preclincial studies of Cationic Steroids

Paul Ducheyne, M.S., Ph.D. (University of Pennsylvania)
Nanostructured bactericidal sol-gel thin films on percutaneous orthopaedic external fixator pins

Flemming Forsberg, Ph.D. (Thomas Jefferson University)
Non-invasive pressure measurements using ultrasound

Eline Luning Prak, M.D., Ph.D (University of Pennsylvania)
RS rearrangement frequency: a clinical lab test for autoimmunity
Anant Madabhushi, Ph.D. (Rutgers University)
An Image based risk score (IbRiS) predictor for survival outcome for ER+ breast cancer patients

Elisabeth Papazoglou, Ph.D. (Drexel University)
Near Infrared Wound Monitor

Darrin Pochan, Ph.D. (University of Delaware)
Beta-Hairpin Peptide Hydrogels as Implanted, Therapeutic Medical Devices

Wan Shih, Ph.D. (Drexel University)
Portable, Low-Cost, Radiation-Free Breast Cancer Detector for Dense Breasts

Stanley Stachelek, Ph.D. (Children's Hospital of Philadelphia)
CD47 as a core technology for preventing adverse clinical outcomes resulting from biomaterial induced inflammation