

# 2008-2009 Wallace H. Coulter Translational Partnership Award Recipients

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***Project Title:***

A Bladder Amplifier to Treat Urinary Retention

***Primary Investigator:***

Warren Grill, Ph.D., Associate Professor of Biomedical Engineering, Associate Professor in Surgery

<http://www.bme.duke.edu/faculty/grill/index.php>

***Clinician(s):***

Cindy L. Amundsen, M.D., Associate Professor of Obstetrics and Gynecology

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***Project Title:***

Ultra-Sensitive Microarray Platform for the Detection of Serum Markers of Prostate Cancer

***Primary Investigator:***

Ashutosh Chilkoti, Ph.D., Professor, Department of Biomedical Engineering

<http://www.bme.duke.edu/faculty/chilkoti/index.php>

***Clinicians:***

Philip Febbo, MD, Ph.D., Department of Medicine and Institute for Genome Sciences & Policy

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***Project Title:***

Oral Delivery of Factor VIII Gene for Hemophilia A Therapy

***Primary Investigator:***

Kam Leong, Ph.D., James B. Duke Professor of Biomedical Engineering, Director of the Bioengineering Initiative

<http://www.bme.duke.edu/faculty/leong/index.php>

***Clinician(s):***

Thomas L. Ortel, M.D., Ph.D., Associate Professor of Medicine

Timothy Nichols, M.D., Ph.D., Pathology & Laboratory Medicine, UNC School of Medicine

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***Project Title:***

Clinical validation of a/LCI for detecting pre-cancerous lesions in the esophagus

***Primary Investigator:***

Adam Wax, Ph.D. – Associate Professor of Biomedical Engineering

<http://www.bme.duke.edu/faculty/wax/index.php>

***Clinicians:***

Nicholas Shaheen, M.D. – Department of Medicine & Epidemiology, UNC School of Medicine

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***Project Title:***

An Optical Assay System for Intraoperative Assessment of Tumor Margins in Patients with Breast Cancer

***Primary Investigator:***

Nimmi Ramanujam, Ph.D., Associate Professor, Department Biomedical Engineering  
<http://www.bme.duke.edu/faculty/ramanujam/index.php>

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***Project Title:***

Knowledge-based Optimization of Radiation Treatment Planning for Prostate Cancer

***Primary Investigator:***

Joseph Lo, Ph.D. – Assistant Professor of Radiology  
<http://dailabs.duhs.duke.edu/person.php?id=2249>

***Clinicians:***

Shiva Das, Ph.D. – Division of Medical Physics, Radiation Oncology

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***Project Title:***

Oral Drug Delivery Design for Mn Porphyrins as Anticancer Therapeutics and Radioprotectors

***Primary Investigator:***

Mark Dewhirst, Ph.D, DVM – Department of Radiation Oncology  
<http://www.radonc.duke.edu/department/academ/div/cancerbio/faculty/dewhirst.html>

***Secondary Investigator:***

Kam Leong, Ph.D., Professor of Biomedical Engineering & Surgery  
Ines Batinic-Haberle, Ph.D., Radiation Oncology-Cancer Biology

***Clinician(s):***

Zeljko Vujaskovic, M.D., Ph.D. – Radiation Oncology – Cancer Biology