FULL BOARD OF VISITORS MEETING
UNIVERSITY OF VIRGINIA
SEPTEMBER 16, 2016
FULL BOARD MEETING

Friday, September 16, 2016
9:30 - 10:30 a.m.
Board Room, The Rotunda

AGENDA

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BOARD MEETING: September 16, 2016

COMMITTEE: Full Board

AGENDA ITEM: I. Opening Remarks by the Rector

ACTION REQUIRED: None

BACKGROUND: Rector William H. Goodwin Jr. will make opening remarks.
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COMMITTEE: Full Board

AGENDA ITEM: II. Requests for Funding

DISCUSSION: The Committee will discuss requests for funding related to the Strategic Investment Fund.
UNIVERSITY OF VIRGINIA
BOARD OF VISITORS AGENDA ITEM SUMMARY

BOARD MEETING: September 16, 2016

COMMITTEE: Full Board

AGENDA ITEM: III.A. Juvenile Diabetes Presentation

ACTION REQUIRED: None

BACKGROUND: The University of Virginia Health System is embarking on a comprehensive bold new effort to double down on new treatments and pathways to curing type 1 diabetes. As a disease which plagues more than 200,000 children and young adults, type 1 diabetes is a leading cause of blindness and kidney failure and a major contributor to premature cardiovascular disease. Building on a strong portfolio of basic and translational research, we seek to focus on means to regenerate the pancreatic cells which produce insulin and are destroyed in the disease through inflammation.

The UVA Diabetes program is renowned for the pioneering technology leading to “artificial pancreas” which is revolutionizing the treatment of the disease in children. UVA scientists are leading a pivotal international trial testing this breakthrough technology developed at UVA. Through our diabetes population genomics project, we are discovering early signals which herald disease onset and facilitate intervention before precious beta cells are destroyed. Now, we enter our next phase of discovery in which we plan to unravel the biological challenges of regenerating insulin producing cells. Through a proposed collaboration between genomics experts, cell biologists, and biomedical engineers, we are recreating the human beta cell to replace those lost to inflammation and restore through tissue engineering this life sustaining pathway.
UNIVERSITY OF VIRGINIA
BOARD OF VISITORS AGENDA ITEM SUMMARY

BOARD MEETING: September 16, 2016

COMMITTEE: Full Board

AGENDA ITEM: III.B. Cyber Security

ACTION REQUIRED: None

DISCUSSION: Tom Katsouleas and a faculty member from the School of Engineering and Applied Sciences will apprise the committee on securing cyber-physical systems (e.g., ensuring that the interconnectivity of things, from airplanes to drug delivery devices – necessary for communication, safety and efficiency – does not make them vulnerable to hacking and cyber-terrorism).