



VCU
Graduate School

Electronic Thesis/Dissertation (ETD) Approval Form

Student name Aneel Roy Bhagwani

Vnumber: V00798624

Document type: Master's thesis

Doctoral dissertation

Department: Physiology and Biophysics

Thesis/dissertation title:

Role of P53 Deficient Clonogenic Endothelial cells in the Pathogenesis of Pulmonary Hypertension

In Process

Approval numbers:

IRB (Institutional Review Board)

IACUC (Institutional Animal Care and Use Committee)

Exempt

Not applicable

Thesis/dissertation and final oral defense

Date: April 23 2021

Graduate Advisory Committee (type name and sign)

DocuSigned by:		Not Approved	Approved
<i>Laszlo Farkas</i> 5B4BD6F361CC417...	Laszlo.Farkas@osumc.edu	_____	<input checked="" type="checkbox"/>
<i>Roland Pittman</i> 196B4EDE6D8044A...	roland.pittman@vcuhealth.org	_____	<input checked="" type="checkbox"/>
<i>Fadi N. Salloum</i> 80968E3B6A04404...	fadi.salloum@vcuhealth.org	_____	<input checked="" type="checkbox"/>
<i>John Ryan</i> 00668DC2400D458...	jjryan@vcu.edu	_____	<input checked="" type="checkbox"/>
<i>Daniel Conway</i> B4FF11F3D3F5441...	dconway@vcu.edu	_____	<input checked="" type="checkbox"/>
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____

Graduate program director/department chair: *Roland Pittman* (DocuSigned by: 196B4EDE6D8044A...) roland.pittman@vcuhealth.org 5/8/2021
School/college dean: *Michael Grotewiel* (DocuSigned by: F5CDC91AB3DB400...) michael.grotewiel@vcuhealth.org 1/9/2021

Release options and final approval

Student name ^{Aneel Roy Bhagwani}

Vnumber: V00798624

Check one of the following options:

Release the thesis/dissertation as soon as it is approved by the Graduate School.

Release the thesis/dissertation after a period of one year.

Release the thesis/dissertation after a period of five years.

Do not release the thesis/dissertation until the copyright expires, with the exception of releasing the work to my advisor(s), my department(s), and scholars who are physically present in the VCU Libraries (typically for creative works). **Attach justification; limit one page.**

Electronic theses and dissertations (ETD) make VCU student research and creativity available online as full-text documents and multimedia presentations for use by the university community and others involved in research. In some cases, a student and their advisor can choose to delay the public online release of the ETD. Typical reasons for selecting a delayed release of the ETD include proprietary work and future publishing rights. Based on the justification provided, the Graduate School reserves the right not to accept the release terms. The citation and abstract will appear publicly online for the duration of any restrictions placed on the work.

Rights and obligations

I hereby certify that, if appropriate, I have obtained and attached hereto a written permission statement from the owner(s) of each third party copyrighted matter to be included in my thesis, dissertation, or project report (hereafter "my work"), allowing distribution as specified above. I certify that the version I am submitting is the same as that approved by my advisory committee. I hereby grant to Virginia Commonwealth University or its agents the non-exclusive license to copy, archive, and make accessible, under the conditions specified above, my work in whole or in part in all forms of media, now or hereafter known. I retain all other ownership rights to the copyright of my work. As such, I retain the right to use all or part of my work in future works, such as articles or books.

Student agreement: ^{DocuSigned by:} Aneel Roy Bhagwani bhagwaniar@mymail.vcu.edu 5/5/2021 **Date:** _____

Major adviser approval: ^{DocuSigned by:} Laszlo Farkas Laszlo.Farkas@osumc.edu 5/9/2021 **Date:** _____

Graduate School dean: _____ **Date:** _____