

COVER PAGE

National Eye Institute
Bethesda, MD
RE: 3-D Retinal Organoid Challenge

We are pleased to submit our solution to the NEI's 3D Retinal Organoid Challenge competition entitled "Novel bioreactor for retinal organoid morphogenesis and retinoblastoma tumor modeling" for your consideration. This solution is the result of a team approach, whose members include:

Team Lead

Daniel Pelaez, PhD

Research Assistant Professor
Department of Ophthalmology and Biomedical Engineering
University of Miami Miller School of Medicine

Team Member 1:

J. William Harbour, MD

Positions Held:

Mark J. Daily Professor
Vice-Chairman for Translational Research
Director of Ocular Oncology
Leader, Eye Cancer Site Disease Group

Affiliations:

Bascom Palmer Eye Institute
Sylvester Comprehensive Cancer Center
Interdisciplinary Stem Cell Institute
Cancer Biology Program
Biochemistry and Molecular Biology
University of Miami

Team Member 2:

Zenith Acosta, M.S.

Positions Held:

Graduate Student; PhD Candidate

Affiliations:

Biomedical Engineering
Interdisciplinary Stem Cell Institute
University of Miami

The proposed solution is applicable to disease modeling and is presented as a means to study initiation and progression of the pediatric eye cancer Retinoblastoma. We appreciate your consideration of our submitted solution and look forward to your feedback.

Sincerely,



Daniel Pelaez, Ph.D.

Research Assistant Professor of Ophthalmology & Biomedical Engineering
Scientific Director, Dr. Nasser Al-Rashid Vision Research Center